

RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

CLIENTE

Nome: TecNocast Indústria e Comércio LTDA EPP

Endereço: Rua Domingos Afonso, nº604 - Vila Santa Clara - São Paulo/SP, 03161-090

Data: 08/05/2026

DESCRIÇÃO DOS SISTEMAS EM ANÁLISE

Denominação: **REVOLUSHOWER**

Sistema de pré aquecimento, programável, com acionamento local, remoto ou por aplicativo, composto por bomba de recirculação comandada por controle eletrônico e misturador de fluxo quente/frio com monitoramento de temperatura em tempo real dotado de servo-válvula autônoma de assistência à estabilidade térmica.

APARELHAGEM UTILIZADA

Descrição: Medidor de vazão volumétrica;

Marca: Micro Motion;

Modelo: CMF025M321NABUEZZZ;

Diâmetro nominal: ½"

Identificação: FT-021

Descrição: Aquecedor digital a gás

Marca: KOMECO

Modelo: Prime KO 16D

Rendimento: 84 %

Capacidade de vazão: 15,5 l/min



RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

Descrição: Aquecedor analógico a gás

Marca: LORENZETTI

Modelo: LZ 750 BP

Rendimento: 84 %

Capacidade de vazão: 7,5 l/min

RESUMO DO ESTUDO

O estudo consiste na instalação de um instrumento de precisão no ponto de consumo dos BANHOS 01 e 02, em série com a ducha, comparando o sistema de aquecimento convencional com o "Revolushower". Registrando: Latência e estabilidade térmica; Nível calorífico; Demanda hídrica e gasto energético.

A instalação do sistema "Revolushower", sem necessidade de intervenção estrutural, leva em torno de 30 minutos.

FUNCIONAMENTO TÉCNICO

- Sistema convencional: A água fria parada na tubulação entre o aquecedor e a ducha precisa ser descartada até que a água quente chegue, gerando o "tempo de espera" e desperdício hídrico.
- Sistema Revolushower: Atua eliminando esse desperdício inicial, recirculando a água ou acelerando a chegada do fluxo quente sem que precise abrir o chuveiro e esperar. O sistema dispõe também de controlar o tempo no banho, via software.

LOCAL DO ESTUDO

Nome: RESIDENCIAL MALUHIA

Endereço: Rua Diepe, nº40/46 - Vila Metalúrgica (Utinga) - Santo André/SP, CEP 09220-240

Apartamento: 1103

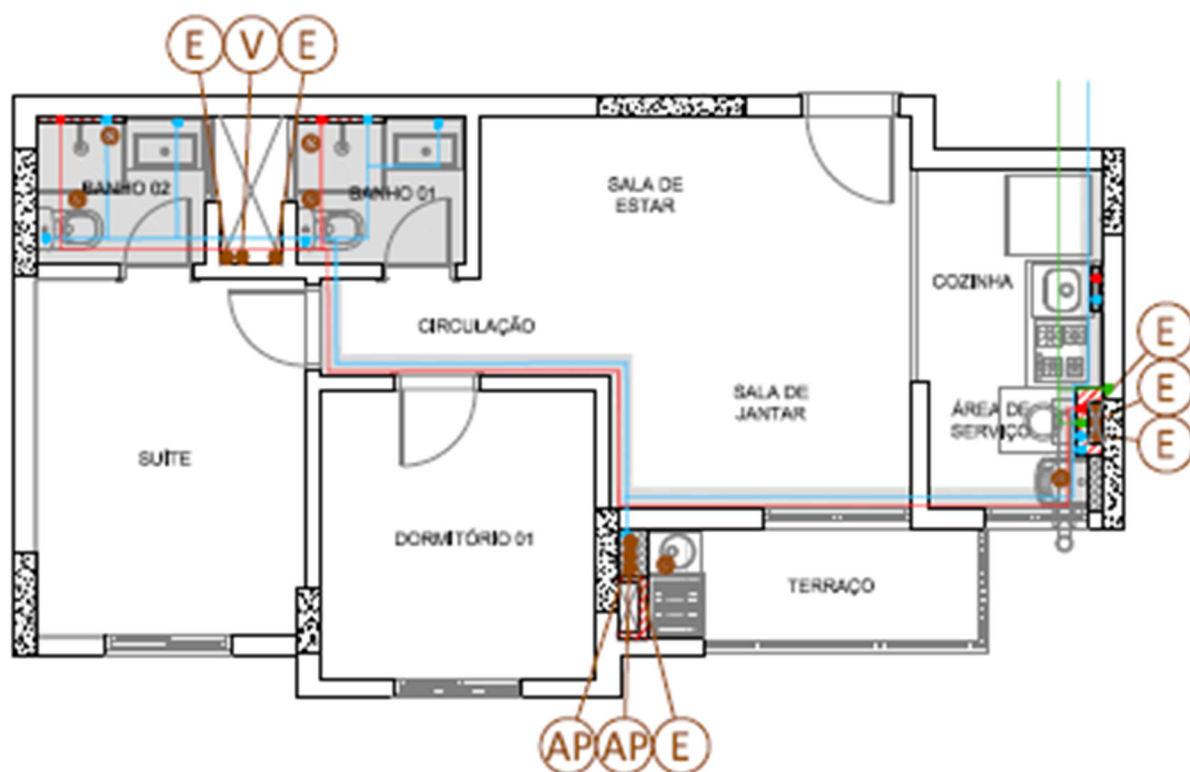


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PLANTA DE HIDRÁULICA

RESIDENCIAL MALUÍHA

APARTAMENTO FINAL 03



ESCALA APROXIMADA L50

OPÇÃO PADRÃO

LEGENDA

PERIFERIAIS/ALIMENTAÇÃO/TUBULAÇÕES

E ESGOTO
AP ÁGUAS PLUVIAIS
V VENTILAÇÃO
RALO SIFONADO
RALO SECO

TUBULAÇÃO DE ÁGUA QUENTE
TUBULAÇÃO DE ÁGUA FRIA
GÁS

ATENÇÃO:

- NÃO REALIZAR PERFURAÇÕES NOS SHAFTS E ENCHIMENTOS HIDRÁULICOS.

SHAFT E ENCHIMENTO HIDRÁULICO

ÁREAS COM FORRO E SANCA DE GESSO

LOUÇAS E METAIS MERAMENTE ILUSTRATIVOS



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IMAGENS DA INSTALAÇÃO



Figura 1 - Estudo Sistema Convencional (Banho 01)

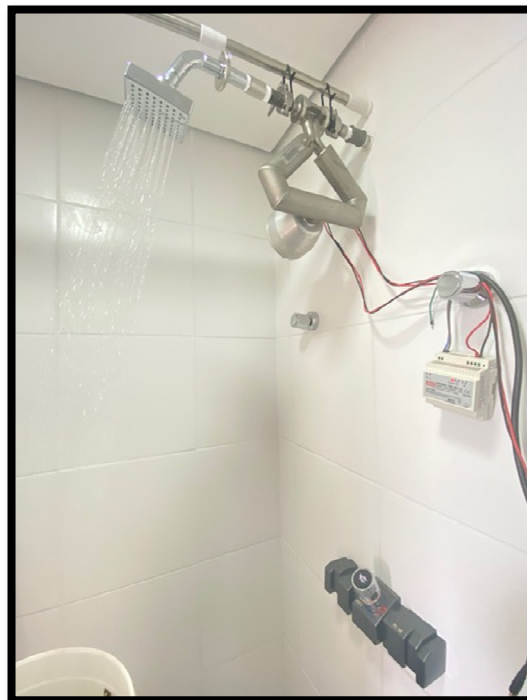


Figura 2 - Estudo Sistema Revolushower (Banho 02)



Figura 3 - Aquecedor KOMEKO



Figura 4 - Aquecedor LORENZETTI

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DADOS DE ESTABILIDADE TÉRMICA DO SISTEMA CONVENCIONAL - BANHO 01 (KOMEÇO)

Date	Time	Density (g/cm³)	Temperature (°C)	Volume Flow Rate (liters/minute)	Volume Total (liters)
03/23/26	12:16:58	0.994050	27.330.410	0.000000	0.000000
03/23/26	12:16:59	0.993990	27.334.650	8.214.380	0.050890
03/23/26	12:17:00	0.994430	27.334.339	8.766.870	0.252990
03/23/26	12:17:01	0.994400	27.329.861	8.895.960	0.364230
03/23/26	12:17:02	0.994530	27.239.330	8.920.500	0.490520
03/23/26	12:17:03	0.994720	27.158.609	8.927.860	0.698870
03/23/26	12:17:04	0.994480	27.133.350	8.967.220	0.810880
03/23/26	12:17:05	0.994110	27.004.869	8.969.980	0.937900
03/23/26	12:17:06	0.994170	26.919.201	8.966.070	1.139.530
03/23/26	12:17:07	0.994050	26.851.919	8.957.580	1.259.000
03/23/26	12:17:08	0.994250	26.712.570	8.956.900	1.385.930
03/23/26	12:17:09	0.994440	26.540.609	8.968.070	1.587.510
03/23/26	12:17:10	0.994450	26.472.700	8.948.070	1.706.920
03/23/26	12:17:11	0.994580	26.359.560	8.952.070	1.833.680
03/23/26	12:17:12	0.994760	26.219.030	8.951.310	2.027.630
03/23/26	12:17:13	0.994860	26.143.700	8.950.140	2.154.430
03/23/26	12:17:14	0.995070	26.048.170	8.938.490	2.281.060
03/23/26	12:17:15	0.995250	25.942.430	8.932.550	2.482.230
03/23/26	12:17:16	0.995300	25.895.861	8.943.330	2.601.450
03/23/26	12:17:17	0.995340	25.839.769	8.935.380	2.728.180
03/23/26	12:17:18	0.995410	25.791.660	8.941.910	2.914.460
03/23/26	12:17:19	0.995510	25.745.430	8.945.020	3.048.520
03/23/26	12:17:20	0.995550	25.707.180	8.940.640	3.175.190
03/23/26	12:17:21	0.995570	25.664.930	8.938.980	3.383.740
03/23/26	12:17:22	0.995570	25.657.900	8.935.930	3.488.050
03/23/26	12:17:23	0.995610	25.630.051	8.936.700	3.622.080
03/23/26	12:17:24	0.995630	25.600.250	8.941.820	3.808.330
03/23/26	12:17:25	0.995640	25.577.450	8.940.300	3.942.430
03/23/26	12:17:26	0.995660	25.555.799	8.930.980	4.068.970
03/23/26	12:17:27	0.995700	25.526.480	8.939.670	4.270.010
03/23/26	12:17:28	0.995720	25.512.541	8.933.770	4.381.670
03/23/26	12:17:29	0.995760	25.496.651	8.942.410	4.515.800
03/23/26	12:17:30	0.995820	25.465.839	8.933.330	4.716.830
03/23/26	12:17:31	0.995840	25.462.469	8.930.990	4.835.980
03/23/26	12:17:32	0.995870	25.459.921	8.937.230	4.962.510
03/23/26	12:17:33	0.995940	25.457.541	8.934.610	5.156.010
03/23/26	12:17:34	0.996050	25.443.960	8.934.780	5.275.060
03/23/26	12:17:35	0.996130	25.435.619	8.931.700	5.409.080
03/23/26	12:17:36	0.996190	25.437.080	8.932.470	5.595.150



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03/23/26	12:17:37	0.996300	25.450.399	8.929.960	5.729.100
03/23/26	12:17:38	0.996450	25.468.630	8.929.800	5.855.560
03/23/26	12:17:39	0.996600	25.497.471	8.918.070	6.041.580
03/23/26	12:17:40	0.996990	25.509.661	8.928.720	6.175.480
03/23/26	12:17:41	0.998120	25.545.830	8.918.490	6.301.860
03/23/26	12:17:42	1.001.120	25.657.890	8.914.440	6.509.720
03/23/26	12:17:43	1.004.040	25.700.991	8.886.470	6.620.850
03/23/26	12:17:44	1.007.390	25.750.219	8.871.680	6.746.560
03/23/26	12:17:45	1.009.260	26.722.250	8.860.300	6.953.400
03/23/26	12:17:46	1.010.170	27.197.371	8.845.470	7.056.670
03/23/26	12:17:47	1.011.180	27.509.649	8.851.230	7.189.310
03/23/26	12:17:48	1.009.080	29.421.730	8.847.510	7.381.100
03/23/26	12:17:49	1.008.250	30.348.530	8.865.100	7.506.620
03/23/26	12:17:50	1.007.730	30.966.730	8.865.470	7.632.220
03/23/26	12:17:51	1.005.290	32.734.600	8.870.280	7.839.200
03/23/26	12:17:52	1.004.150	33.590.130	8.892.280	7.950.210
03/23/26	12:17:53	1.003.490	34.163.979	8.890.290	8.076.180
03/23/26	12:17:54	1.002.080	35.176.350	8.898.500	8.261.560
03/23/26	12:17:55	1.000.850	36.059.139	8.908.960	8.395.170
03/23/26	12:17:56	1.000.380	36.474.918	8.918.060	8.521.440
03/23/26	12:17:57	0.999410	37.168.121	8.926.520	8.707.210
03/23/26	12:17:58	0.998770	37.774.471	8.926.550	8.841.050
03/23/26	12:17:59	0.998220	38.057.640	8.928.970	8.967.510
03/23/26	12:18:00	0.997330	38.661.018	8.938.980	9.175.860
03/23/26	12:18:01	0.997080	38.866.421	8.931.160	9.287.510
03/23/26	12:18:02	0.996800	39.144.650	8.934.440	9.421.510
03/23/26	12:18:03	0.996240	39.476.990	8.940.350	9.622.550
03/23/26	12:18:04	0.995930	39.706.390	8.947.850	9.726.910
03/23/26	12:18:05	0.995780	39.856.270	8.957.750	9.861.170
03/23/26	12:18:06	0.995410	40.134.109	8.971.260	10.055.530
03/23/26	12:18:07	0.995190	40.304.611	9.012.250	10.182.950
03/23/26	12:18:08	0.995030	40.423.241	9.049.560	10.311.010
03/23/26	12:18:09	0.994700	40.642.429	9.134.540	10.523.140
03/23/26	12:18:10	0.994500	40.776.451	9.222.110	10.638.140
03/23/26	12:18:11	0.994330	40.863.861	9.305.960	10.777.410
03/23/26	12:18:12	0.993920	41.021.851	9.428.790	10.965.590
03/23/26	12:18:13	0.993300	41.110.489	9.450.270	11.107.160
03/23/26	12:18:14	0.992650	41.165.932	9.568.720	11.241.350
03/23/26	12:18:15	0.992330	41.177.021	9.672.090	11.458.930
03/23/26	12:18:16	0.992080	41.175.598	9.659.740	11.587.750
03/23/26	12:18:17	0.991500	41.183.029	9.677.070	11.724.690
03/23/26	12:18:18	0.991470	41.088.181	9.894.770	11.937.580



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03/23/26	12:18:19	0.991570	40.972.790	9.928.470	12.078.530
03/23/26	12:18:20	0.991330	40.867.649	9.962.660	12.219.050
03/23/26	12:18:21	0.991130	40.723.282	10.140.370	12.428.880
03/23/26	12:18:22	0.991150	40.577.309	10.230.200	12.582.180
03/23/26	12:18:23	0.990880	40.480.030	10.224.920	12.726.990
03/23/26	12:18:24	0.990740	40.274.899	10.283.120	12.949.340
03/23/26	12:18:25	0.990880	40.089.661	10.290.980	13.095.140
03/23/26	12:18:26	0.990910	39.966.301	10.272.880	13.249.290
03/23/26	12:18:27	0.991220	39.735.321	10.272.130	13.454.670
03/23/26	12:18:28	0.991540	39.541.260	10.268.840	13.600.130
03/23/26	12:18:29	0.991770	39.418.240	10.269.370	13.754.150
03/23/26	12:18:30	0.992060	39.252.411	10.238.950	13.976.260
03/23/26	12:18:31	0.992290	39.130.871	10.250.770	14.112.890
03/23/26	12:18:32	0.992440	39.038.410	10.236.300	14.266.500
03/23/26	12:18:33	0.992650	38.934.750	10.237.200	14.505.290
03/23/26	12:18:34	0.992800	38.863.781	10.227.830	14.633.180
03/23/26	12:18:35	0.992900	38.821.190	10.225.530	14.778.040
03/23/26	12:18:36	0.992990	38.789.230	10.227.640	14.999.630
03/23/26	12:18:37	0.993060	38.767.559	10.222.950	15.136.020
03/23/26	12:18:38	0.993110	38.740.601	10.221.100	15.289.480
03/23/26	12:18:39	0.993200	38.726.990	10.221.530	15.519.660
03/23/26	12:18:40	0.993260	38.715.981	10.211.820	15.655.920
03/23/26	12:18:41	0.993290	38.714.451	10.219.520	15.809.080
03/23/26	12:18:42	0.993300	38.723.598	10.214.130	16.039.000
03/23/26	12:18:43	0.993280	38.747.189	10.197.740	16.166.590
03/23/26	12:18:44	0.993270	38.764.690	10.203.260	16.311.190
03/23/26	12:18:45	0.993270	38.786.949	10.384.100	16.535.620
03/23/26	12:18:46	0.993190	38.809.448	10.887.440	16.688.351
03/23/26	12:18:47	0.992670	38.823.662	11.134.950	16.844.601
03/23/26	12:18:48	0.991250	38.812.561	11.371.090	17.080.111
03/23/26	12:18:49	0.990180	38.755.089	11.573.410	17.253.441
03/23/26	12:18:50	0.989280	38.715.919	11.558.400	17.426.809
03/23/26	12:18:51	0.988490	38.688.160	11.558.180	17.658.100
03/23/26	12:18:52	0.989210	38.142.422	11.571.160	17.831.909
03/23/26	12:18:53	0.989650	37.871.899	11.548.780	17.995.729
03/23/26	12:18:54	0.990230	37.533.562	11.542.190	18.264.950
03/23/26	12:18:55	0.990940	37.149.448	11.543.450	18.409.170
03/23/26	12:18:56	0.991310	36.889.061	11.550.560	18.572.790
03/23/26	12:18:57	0.991770	36.713.760	11.527.930	18.813.101
03/23/26	12:18:58	0.992220	36.480.679	11.533.680	18.985.970
03/23/26	12:18:59	0.992540	36.321.301	11.523.040	19.149.170
03/23/26	12:19:00	0.992830	36.184.471	11.517.370	19.398.809

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03/23/26	12:19:01	0.993020	36.076.500	11.501.810	19.561.899
03/23/26	12:19:02	0.993110	36.005.051	11.514.050	19.725.019
03/23/26	12:19:03	0.993170	35.952.560	11.515.320	19.964.830
03/23/26	12:19:04	0.993190	35.907.009	11.517.040	20.137.581
03/23/26	12:19:05	0.993230	35.874.340	11.531.880	20.310.680
03/23/26	12:19:06	0.993230	35.842.281	11.497.210	20.569.481
03/23/26	12:19:07	0.993290	35.798.889	11.496.590	20.713.091
03/23/26	12:19:08	0.993320	35.768.028	11.516.780	20.876.129
03/23/26	12:19:09	0.993350	35.739.559	11.490.200	21.144.581
03/23/26	12:19:10	0.993420	35.703.651	11.494.000	21.288.099
03/23/26	12:19:11	0.993430	35.678.810	11.512.270	21.450.911
03/23/26	12:19:12	0.993400	35.675.949	11.492.180	21.700.199
03/23/26	12:19:13	0.993430	35.653.271	11.489.300	21.863.029
03/23/26	12:19:14	0.993460	35.639.881	11.491.360	22.035.391
03/23/26	12:19:15	0.993490	35.624.020	11.501.820	22.294.161
03/23/26	12:19:16	0.993530	35.606.060	11.481.660	22.437.691
03/23/26	12:19:17	0.993580	35.587.170	11.488.860	22.610.029
03/23/26	12:19:18	0.993600	35.562.710	11.492.380	22.849.409
03/23/26	12:19:19	0.993610	35.545.460	11.511.270	23.012.251
03/23/26	12:19:20	0.993560	35.532.101	11.495.670	23.175.131
03/23/26	12:19:21	0.993530	35.527.721	11.479.720	23.424.021
03/23/26	12:19:22	0.993490	35.511.021	11.486.490	23.586.800
03/23/26	12:19:23	0.993480	35.491.779	11.494.330	23.749.559
03/23/26	12:19:24	0.993470	35.474.331	11.489.410	23.998.449
03/23/26	12:19:25	0.993510	35.452.480	11.485.670	24.161.200
03/23/26	12:19:26	0.993530	35.435.589	11.465.000	24.333.420
03/23/26	12:19:27	0.993580	35.419.601	11.494.580	24.563.089
03/23/26	12:19:28	0.993650	35.392.830	11.490.740	24.735.340
03/23/26	12:19:29	0.993740	35.367.870	11.476.330	24.898.029
03/23/26	12:19:30	0.993770	35.359.749	11.475.820	25.156.361
03/23/26	12:19:31	0.993810	35.355.820	11.469.140	25.309.259
03/23/26	12:19:32	0.993840	35.355.049	11.471.410	25.481.440
03/23/26	12:19:33	0.993860	35.350.609	11.478.970	25.739.660
03/23/26	12:19:34	0.993890	35.350.590	11.079.580	25.879.520
03/23/26	12:19:35	0.993840	35.358.299	11.217.670	26.048.229
03/23/26	12:19:36	0.993890	35.358.360	11.247.380	26.301.180
03/23/26	12:19:37	0.993880	35.358.398	11.245.930	26.441.820
03/23/26	12:19:38	0.993890	35.360.809	11.237.590	26.601.049
03/23/26	12:19:39	0.993960	35.361.542	11.258.000	26.863.449
03/23/26	12:19:40	0.994020	35.363.682	11.245.130	27.004.030
03/23/26	12:19:41	0.994070	35.372.688	11.240.310	27.163.349
03/23/26	12:19:42	0.994190	35.388.432	11.250.310	27.425.770



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03/23/26	12:19:43	0.994240	35.412.189	10.198.320	27.556.940
03/23/26	12:19:44	0.994160	35.449.600	10.164.020	27.709.360
03/23/26	12:19:45	0.991870	35.473.240	10.176.640	27.912.710
03/23/26	12:19:46	0.990100	35.429.279	10.166.380	28.065.359
03/23/26	12:19:47	0.989920	35.289.928	10.195.330	28.218.210
03/23/26	12:19:48	0.989920	35.178.101	10.184.860	28.447.390
03/23/26	12:19:49	0.989900	34.986.950	10.190.880	28.574.780
03/23/26	12:19:50	0.990770	34.596.901	10.191.880	28.719.110
03/23/26	12:19:51	0.991150	34.251.759	10.175.560	28.956.760
03/23/26	12:19:52	0.991430	34.134.880	10.180.560	29.084.000
03/23/26	12:19:53	0.991910	33.740.150	10.179.100	29.236.650
03/23/26	12:19:54	0.992300	33.556.820	10.172.180	29.440.020
03/23/26	12:19:55	0.992480	33.438.999	10.166.860	29.592.520
03/23/26	12:19:56	0.992750	33.255.470	10.168.090	29.736.561
03/23/26	12:19:57	0.993010	33.094.891	10.156.930	29.973.690
03/23/26	12:19:58	0.993100	33.019.409	10.158.000	30.092.220
03/23/26	12:19:59	0.993290	32.902.920	10.167.560	30.253.019
03/23/26	12:20:00	0.993410	32.801.270	10.156.060	30.473.070
03/23/26	12:20:01	0.993450	32.751.640	10.155.060	30.599.930
03/23/26	12:20:02	0.993570	32.671.921	10.149.150	30.752.140
03/23/26	12:20:03	0.993640	32.616.249	10.129.460	30.963.400
03/23/26	12:20:04	0.993680	32.568.218	10.145.690	31.115.511
03/23/26	12:20:05	0.993730	32.508.572	10.133.900	31.259.211
03/23/26	12:20:06	0.993760	32.459.202	10.136.640	31.487.400
03/23/26	12:20:07	0.993780	32.437.248	10.139.560	31.622.520
03/23/26	12:20:08	0.993850	32.390.881	10.133.850	31.774.509
03/23/26	12:20:09	0.993880	32.354.622	10.133.880	32.002.430
03/23/26	12:20:10	0.993880	32.343.040	10.131.350	32.129.059
03/23/26	12:20:11	0.993910	32.308.060	10.126.580	32.272.598
03/23/26	12:20:12	0.994000	32.256.451	10.135.150	32.509.109
03/23/26	12:20:13	0.994030	32.233.570	10.143.400	32.635.811
03/23/26	12:20:14	0.994070	32.206.261	10.144.250	32.779.518
03/23/26	12:20:15	0.994120	32.172.531	10.135.770	33.016.041
03/23/26	12:20:16	0.994140	32.153.591	10.123.620	33.125.622
03/23/26	12:20:17	0.994180	32.127.392	10.140.580	33.294.449
03/23/26	12:20:18	0.994200	32.105.381	10.144.090	33.497.299
03/23/26	12:20:19	0.994170	32.100.712	10.139.650	33.649.319
03/23/26	12:20:20	0.994220	32.087.299	10.115.440	33.792.809
03/23/26	12:20:21	0.994250	32.065.781	10.135.500	34.020.748
03/23/26	12:20:22	0.994270	32.049.080	10.115.230	34.155.659
03/23/26	12:20:23	0.994300	32.034.019	10.134.340	34.299.099
03/23/26	12:20:24	0.994290	32.022.991	10.141.590	34.510.239

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03/23/26	12:20:25	0.994290	32.023.769	10.130.730	34.662.300
03/23/26	12:20:26	0.994310	32.015.129	10.135.800	34.805.882
03/23/26	12:20:27	0.994320	32.001.171	10.134.030	35.016.991
03/23/26	12:20:28	0.994360	31.980.370	10.116.450	35.168.900
03/23/26	12:20:29	0.994390	31.957.180	10.133.200	35.320.782
03/23/26	12:20:30	0.994400	31.943.159	10.123.210	35.531.761
03/23/26	12:20:31	0.994410	31.937.830	10.125.710	35.675.228
03/23/26	12:20:32	0.994450	31.931.881	9.303.610	35.816.231
03/23/26	12:20:33	0.994370	31.926.340	8.340.480	35.999.939
03/23/26	12:20:34	0.994900	31.929.340	8.402.220	36.118.999
03/23/26	12:20:35	0.999120	31.956.640	8.382.760	36.237.770
03/23/26	12:20:36	1.001.740	32.046.459	8.363.660	36.426.041
03/23/26	12:20:37	1.002.140	32.080.441	8.363.410	36.537.540
03/23/26	12:20:38	1.001.820	32.383.480	8.473.850	36.663.502
03/23/26	12:20:39	1.000.400	33.297.260	8.940.040	36.856.750
03/23/26	12:20:40	0.999490	33.740.189	8.956.770	36.976.009
03/23/26	12:20:41	0.997090	34.174.099	8.957.980	37.102.840
03/23/26	12:20:42	0.995410	34.709.728	8.955.430	37.297.009
03/23/26	12:20:43	0.994690	35.071.430	8.971.290	37.416.611
03/23/26	12:20:44	0.994170	35.347.340	8.969.680	37.551.182
03/23/26	12:20:45	0.994030	35.422.859	8.972.740	37.745.560
03/23/26	12:20:46	0.993940	35.479.771	8.966.360	37.872.681
03/23/26	12:20:47	0.993890	35.492.741	8.977.200	37.999.722
03/23/26	12:20:48	0.993910	35.481.201	8.973.850	38.201.679
03/23/26	12:20:49	0.993920	35.475.391	8.979.760	38.313.938
03/23/26	12:20:50	0.993920	35.474.468	8.977.290	38.456.039
03/23/26	12:20:51	0.993960	35.465.511	8.981.780	38.643.040
03/23/26	12:20:52	0.994010	35.461.391	8.962.730	38.770.081
03/23/26	12:20:53	0.994060	35.458.981	8.973.980	38.904.739
03/23/26	12:20:54	0.994140	35.472.858	8.966.530	39.106.541
03/23/26	12:20:55	0.994190	35.483.921	8.973.940	39.218.731
03/23/26	12:20:56	0.994240	35.493.889	8.935.150	39.353.119
03/23/26	12:20:57	0.994240	35.540.298	8.970.530	39.554.600
03/23/26	12:20:58	0.994260	35.559.078	8.999.010	39.667.019
03/23/26	12:20:59	0.994320	35.567.009	8.973.600	39.794.250
03/23/26	12:21:00	0.994240	35.628.540	8.961.260	40.003.429
03/23/26	12:21:01	0.994200	35.661.381	8.977.020	40.115.570
03/23/26	12:21:02	0.994160	35.684.361	8.977.310	40.250.271
03/23/26	12:21:03	0.994050	35.744.480	8.972.690	40.452.061
03/23/26	12:21:04	0.994010	35.763.290	8.968.250	40.564.171
03/23/26	12:21:05	0.993940	35.788.120	8.976.990	40.698.841
03/23/26	12:21:06	0.993870	35.813.080	8.976.790	40.893.230

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03/23/26	12:21:07	0.993830	35.832.260	8.994.610	41.005.589
03/23/26	12:21:08	0.993780	35.843.800	8.971.970	41.147.800
03/23/26	12:21:09	0.993710	35.856.972	8.963.440	41.327.068
03/23/26	12:21:10	0.993680	35.858.280	8.974.800	41.461.739
03/23/26	12:21:11	0.993660	35.856.609	8.985.420	41.596.470
03/23/26	12:21:12	0.993700	35.845.520	10.425.970	41.826.900
03/23/26	12:21:13	0.994060	35.844.971	10.502.490	41.958.111
03/23/26	12:21:14	0.995990	35.847.939	10.476.660	42.106.541
03/23/26	12:21:15	0.996710	35.971.642	10.467.740	42.324.711
03/23/26	12:21:16	0.996670	36.059.200	10.460.270	42.481.640
03/23/26	12:21:17	0.996630	36.118.980	10.458.930	42.629.871
03/23/26	12:21:18	0.996230	36.372.459	10.477.390	42.847.969
03/23/26	12:21:19	0.995650	36.721.218	10.461.950	43.004.990
03/23/26	12:21:20	0.995400	36.880.669	10.470.700	43.162.109
03/23/26	12:21:21	0.995080	37.083.851	10.478.190	43.389.160
03/23/26	12:21:22	0.994780	37.265.690	10.470.320	43.520.161
03/23/26	12:21:23	0.994570	37.419.399	10.474.530	43.686.111
03/23/26	12:21:24	0.994320	37.539.982	10.486.940	43.921.822
03/23/26	12:21:25	0.994150	37.648.121	10.472.930	44.044.041
03/23/26	12:21:26	0.993990	37.731.121	10.478.000	44.209.942
03/23/26	12:21:27	0.993810	37.832.611	10.478.830	44.419.540
03/23/26	12:21:28	0.993710	37.901.539	10.473.310	44.567.989
03/23/26	12:21:29	0.993640	37.937.550	10.475.890	44.725.151
03/23/26	12:21:30	0.993600	37.976.849	10.480.790	44.943.501
03/23/26	12:21:31	0.993610	37.999.790	10.458.910	45.091.782
03/23/26	12:21:32	0.993620	38.025.742	10.494.810	45.257.771
03/23/26	12:21:33	0.993600	38.071.831	10.491.130	45.485.271
03/23/26	12:21:34	0.993580	38.112.801	10.455.880	45.616.009
03/23/26	12:21:35	0.993560	38.135.490	10.477.640	45.781.750
03/23/26	12:21:36	0.993550	38.175.491	10.493.690	46.017.761
03/23/26	12:21:37	0.993510	38.204.979	10.468.460	46.139.999
03/23/26	12:21:38	0.993490	38.218.399	10.472.830	46.297.070
03/23/26	12:21:39	0.993450	38.236.519	10.492.550	46.524.029
03/23/26	12:21:40	0.993380	38.263.802	10.477.760	46.672.550
03/23/26	12:21:41	0.993320	38.285.721	10.474.880	46.820.950
03/23/26	12:21:42	0.993290	38.304.482	10.479.810	47.065.559
03/23/26	12:21:43	0.993260	38.317.539	10.468.500	47.187.771
03/23/26	12:21:44	0.993210	38.332.298	10.483.670	47.353.649
03/23/26	12:21:45	0.993190	38.349.201	10.477.260	47.563.259
03/23/26	12:21:46	0.993150	38.362.110	10.475.590	47.711.739
03/23/26	12:21:47	0.993130	38.374.939	10.465.640	47.877.560
03/23/26	12:21:48	0.993080	38.388.760	10.481.190	48.087.120

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03/23/26	12:21:49	0.993080	38.395.710	10.482.100	48.235.611
03/23/26	12:21:50	0.993070	38.404.388	10.478.880	48.392.830
03/23/26	12:21:51	0.993040	38.412.998	10.460.580	48.619.701
03/23/26	12:21:52	0.993010	38.421.291	11.009.720	48.764.332
03/23/26	12:21:53	0.992960	38.422.791	11.026.580	48.929.798
03/23/26	12:21:54	0.991510	38.408.150	11.319.500	49.181.511
03/23/26	12:21:55	0.990930	38.367.290	11.422.530	49.324.371
03/23/26	12:21:56	0.990170	38.335.339	11.619.740	49.507.080
03/23/26	12:21:57	0.989310	38.310.249	11.700.910	49.760.509
03/23/26	12:21:58	0.989220	37.975.731	11.710.010	49.906.818
03/23/26	12:21:59	0.989250	37.684.299	11.717.480	50.092.239
03/23/26	12:22:00	0.989230	37.555.439	11.718.210	50.326.469
03/23/26	12:22:01	0.989870	37.105.309	11.706.190	50.492.329
03/23/26	12:22:02	0.990320	36.787.182	11.695.370	50.667.900
03/23/26	12:22:03	0.990680	36.514.030	11.705.760	50.940.868
03/23/26	12:22:04	0.991200	36.182.690	11.697.990	51.077.339
03/23/26	12:22:05	0.991520	35.955.029	11.688.520	51.262.520
03/23/26	12:22:06	0.991840	35.756.241	11.688.000	51.525.539
03/23/26	12:22:07	0.992200	35.538.029	11.677.570	51.661.869
03/23/26	12:22:08	0.992500	35.386.360	11.629.400	51.846.390
03/23/26	12:22:09	0.992690	35.263.618	11.665.500	52.079.708
03/23/26	12:22:10	0.992950	35.147.621	11.712.390	52.245.590
03/23/26	12:22:11	0.993120	35.069.950	11.665.410	52.420.769
03/23/26	12:22:12	0.993250	35.003.059	11.678.810	52.692.940
03/23/26	12:22:13	0.993400	34.947.689	11.691.030	52.829.231
03/23/26	12:22:14	0.993490	34.907.120	11.670.980	53.014.160
03/23/26	12:22:15	0.993520	34.878.929	11.644.750	53.266.430
03/23/26	12:22:16	0.993580	34.865.528	11.683.780	53.412.251
03/23/26	12:22:17	0.993640	34.840.611	11.668.140	53.587.521
03/23/26	12:22:18	0.993670	34.822.559	11.687.980	53.830.921
03/23/26	12:22:19	0.993700	34.808.262	11.660.840	53.996.208
03/23/26	12:22:20	0.993710	34.800.220	11.659.030	54.180.729
03/23/26	12:22:21	0.993750	34.794.601	11.666.210	54.414.070
03/23/26	12:22:22	0.993750	34.788.151	11.688.540	54.579.590
03/23/26	12:22:23	0.993740	34.782.440	11.662.140	54.754.589
03/23/26	12:22:24	0.993750	34.791.161	11.660.570	55.026.779
03/23/26	12:22:25	0.993770	34.792.229	11.664.420	55.172.581
03/23/26	12:22:26	0.993770	34.792.278	11.659.870	55.337.811
03/23/26	12:22:27	0.993770	34.781.712	11.662.550	55.580.669
03/23/26	12:22:28	0.993820	34.777.420	11.674.310	55.745.949
03/23/26	12:22:29	0.993820	34.775.131	11.660.620	55.930.641
03/23/26	12:22:30	0.993850	34.770.870	11.669.960	56.193.062

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03/23/26	12:22:31	0.993860	34.769.909	11.660.580	56.329.189
03/23/26	12:22:32	0.993890	34.770.531	11.676.260	56.504.230
03/23/26	12:22:33	0.993890	34.772.980	11.646.040	56.747.059
03/23/26	12:22:34	0.993890	34.778.709	11.665.170	56.922.001
03/23/26	12:22:35	0.993910	34.779.751	11.652.550	57.087.109
03/23/26	12:22:36	0.993930	34.780.159	11.670.060	57.330.101
03/23/26	12:22:37	0.993930	34.781.029	11.654.160	57.495.270
03/23/26	12:22:38	0.993940	34.787.312	11.661.460	57.679.859
03/23/26	12:22:39	0.993910	34.787.510	11.660.280	57.912.998
03/23/26	12:22:40	0.993930	34.789.879	11.644.300	58.078.140
03/23/26	12:22:41	0.993940	34.794.300	11.660.100	58.262.760
03/23/26	12:22:42	0.993890	34.803.310	11.804.080	58.497.150
03/23/26	12:22:43	0.993900	34.809.780	11.882.450	58.665.211
03/23/26	12:22:44	0.993540	34.812.859	11.862.590	58.843.342
03/23/26	12:22:45	0.992990	34.813.530	11.855.610	59.120.129
03/23/26	12:22:46	0.992990	34.785.198	11.856.740	59.258.331
03/23/26	12:22:47	0.993150	34.715.950	11.930.630	59.446.411
03/23/26	12:22:48	0.993300	34.659.370	12.091.490	59.707.550
03/23/26	12:22:49	0.993110	34.610.901	12.104.590	59.858.719
03/23/26	12:22:50	0.992740	34.537.659	12.208.500	60.041.100
03/23/26	12:22:51	0.992560	34.465.889	12.501.650	60.319.962
03/23/26	12:22:52	0.992120	34.380.371	12.752.190	60.489.170
03/23/26	12:22:53	0.991430	34.230.900	12.848.830	60.670.380
03/23/26	12:22:54	0.990300	34.136.360	12.899.140	60.938.591
03/23/26	12:22:55	0.989770	34.073.471	12.890.010	61.121.262
03/23/26	12:22:56	0.990020	33.580.151	12.924.980	61.325.729
03/23/26	12:22:57	0.990430	33.331.669	13.041.070	61.585.732
03/23/26	12:22:58	0.990420	33.161.812	13.091.990	61.770.939
03/23/26	12:22:59	0.990730	32.715.019	13.018.660	61.966.690
03/23/26	12:23:00	0.991140	32.328.770	13.003.860	62.237.671
03/23/26	12:23:01	0.991410	32.155.239	13.076.220	62.422.729
03/23/26	12:23:02	0.991970	31.799.570	13.085.970	62.630.001
03/23/26	12:23:03	0.992330	31.489.111	13.070.360	62.923.920
03/23/26	12:23:04	0.992550	31.345.329	13.062.460	63.076.149
03/23/26	12:23:05	0.992960	31.105.431	13.108.390	63.283.360
03/23/26	12:23:06	0.993310	30.899.960	13.044.740	63.544.651
03/23/26	12:23:07	0.993460	30.805.731	13.055.930	63.729.420
03/23/26	12:23:08	0.993690	30.662.260	13.061.670	63.936.081
03/23/26	12:23:09	0.993910	30.533.649	13.060.580	64.219.147
03/23/26	12:23:10	0.993980	30.469.210	13.034.330	64.382.179
03/23/26	12:23:11	0.994130	30.382.780	13.047.080	64.577.797
03/23/26	12:23:12	0.994200	30.324.890	13.062.850	64.860.786



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03/23/26	12:23:13	0.994280	30.283.581	13.051.130	65.045.700
03/23/26	12:23:14	0.994360	30.215.570	13.029.170	65.230.301
03/23/26	12:23:15	0.994430	30.177.549	13.065.990	65.523.987
03/23/26	12:23:16	0.994440	30.154.461	13.048.030	65.687.111
03/23/26	12:23:17	0.994470	30.118.370	13.058.670	65.893.791
03/23/26	12:23:18	0.994560	30.075.430	13.058.340	66.154.739
03/23/26	12:23:19	0.994560	30.059.650	13.059.060	66.339.523
03/23/26	12:23:20	0.994580	30.034.090	13.044.660	66.535.172
03/23/26	12:23:21	0.994620	29.997.160	13.041.300	66.817.734
03/23/26	12:23:22	0.994660	29.968.651	13.043.790	67.002.441
03/23/26	12:23:23	0.994710	29.933.170	13.044.820	67.198.174
03/23/26	12:23:24	0.994760	29.895.300	13.038.000	67.491.524
03/23/26	12:23:25	0.994760	29.875.610	13.040.710	67.643.753
03/23/26	12:23:26	0.994800	29.850.519	13.032.880	67.850.082
03/23/26	12:23:27	0.994820	29.825.769	13.067.080	68.110.977
03/23/26	12:23:28	0.994840	29.807.850	13.040.240	68.295.753
03/23/26	12:23:29	0.994860	29.788.361	13.051.270	68.491.379
03/23/26	12:23:30	0.994860	29.772.091	13.078.950	68.763.298
03/23/26	12:23:31	0.994880	29.761.770	13.039.430	68.948.158
03/23/26	12:23:32	0.994860	29.740.919	13.047.690	69.154.617
03/23/26	12:23:33	0.994890	29.722.580	13.049.720	69.415.604
03/23/26	12:23:34	0.994910	29.716.801	13.011.480	69.600.197
03/23/26	12:23:35	0.994900	29.708.389	13.038.750	69.806.602
03/23/26	12:23:36	0.994940	29.687.510	13.043.250	70.078.346
03/23/26	12:23:37	0.994960	29.673.500	13.034.970	70.252.159
03/23/26	12:23:38	0.994980	29.658.159	13.066.930	70.447.792
03/23/26	12:23:39	0.994980	29.629.259	13.041.950	70.741.600
03/23/26	12:23:40	0.994980	29.619.301	13.043.810	70.904.663
03/23/26	12:23:41	0.995000	29.607.821	13.029.020	71.110.962
03/23/26	12:23:42	0.995020	29.591.080	13.067.620	71.404.549
03/23/26	12:23:43	0.995030	29.574.221	13.044.730	71.556.763
03/23/26	12:23:44	0.995070	29.555.759	13.021.980	71.752.289
03/23/26	12:23:45	0.995120	29.528.370	13.049.560	72.045.700
03/23/26	12:23:46	0.995120	29.516.340	13.028.240	72.219.620
03/23/26	12:23:47	0.995130	29.504.391	13.038.460	72.415.207
03/23/26	12:23:48	0.995120	29.490.009	13.043.060	72.676.033
03/23/26	12:23:49	0.995140	29.481.140	13.041.960	72.860.931
03/23/26	12:23:50	0.995170	29.473.419	13.036.890	73.056.519
03/23/26	12:23:51	0.995170	29.460.030	13.048.800	73.360.809
03/23/26	12:23:52	0.995180	29.459.930	13.047.190	73.513.062
03/23/26	12:23:53	0.995160	29.461.100	13.037.200	73.719.566
03/23/26	12:23:54	0.995170	29.454.161	13.041.230	73.980.362



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03/23/26	12:23:55	0.995150	29.450.951	13.042.840	74.165.207
03/23/26	12:23:56	0.995150	29.447.981	13.050.910	74.371.681
03/23/26	12:23:57	0.995170	29.434.700	13.012.640	74.665.123
03/23/26	12:23:58	0.995180	29.426.491	13.049.800	74.828.117
03/23/26	12:23:59	0.995200	29.421.671	13.055.050	75.012.939
03/23/26	12:24:00	0.995210	29.411.791	13.036.080	75.284.813
03/23/26	12:24:01	0.995210	29.409.349	13.030.240	75.469.498
03/23/26	12:24:02	0.995180	29.407.499	13.032.170	75.675.987
03/23/26	12:24:03	0.995210	29.396.530	13.064.280	75.936.974
03/23/26	12:24:04	0.995250	29.389.959	13.020.260	76.121.521
03/23/26	12:24:05	0.995240	29.391.109	13.029.910	76.317.047
03/23/26	12:24:06	0.995250	29.389.830	13.044.140	76.588.600
03/23/26	12:24:07	0.995190	29.391.310	11.282.830	76.751.007
03/23/26	12:24:08	0.994450	29.388.029	11.000.640	76.915.894
03/23/26	12:24:09	0.990380	29.343.069	11.035.460	77.173.027
03/23/26	12:24:10	0.989550	29.325.480	10.988.190	77.310.593
03/23/26	12:24:11	0.989310	29.307.510	10.998.520	77.475.479
03/23/26	12:24:12	0.990170	28.740.259	11.039.260	77.695.831
03/23/26	12:24:13	0.990800	28.342.331	10.983.950	77.851.753
03/23/26	12:24:14	0.991220	28.074.930	10.962.160	78.025.436
03/23/26	12:24:15	0.992110	27.535.440	10.973.810	78.244.904
03/23/26	12:24:16	0.992640	27.207.359	10.990.330	78.400.352
03/23/26	12:24:17	0.993010	26.985.029	10.969.940	78.564.682
03/23/26	12:24:18	0.993560	26.647.421	10.939.120	78.811.081
03/23/26	12:24:19	0.993870	26.450.060	10.953.460	78.957.077
03/23/26	12:24:20	0.994100	26.313.780	10.947.930	79.121.353
03/23/26	12:24:21	0.994340	26.167.940	10.941.020	79.340.332
03/23/26	12:24:22	0.994580	26.020.100	10.969.720	79.495.667
03/23/26	12:24:23	0.994690	25.954.189	10.972.680	79.669.472
03/23/26	12:24:24	0.994820	25.873.421	10.938.840	79.897.720
03/23/26	12:24:25	0.994960	25.779.961	10.933.260	80.052.719
03/23/26	12:24:26	0.995010	25.739.599	10.977.680	80.208.023
03/23/26	12:24:27	0.995120	25.671.980	10.954.920	80.463.783
03/23/26	12:24:28	0.995190	25.643.400	10.955.000	80.591.568
03/23/26	12:24:29	0.995230	25.609.430	10.966.820	80.765.129
03/23/26	12:24:30	0.995310	25.564.131	10.948.270	81.011.597
03/23/26	12:24:31	0.995350	25.535.240	10.957.840	81.148.430
03/23/26	12:24:32	0.995400	25.512.609	10.965.140	81.313.026
03/23/26	12:24:33	0.995420	25.480.700	10.935.770	81.541.283
03/23/26	12:24:34	0.995470	25.455.360	10.935.990	81.696.327
03/23/26	12:24:35	0.995490	25.442.739	10.953.560	81.860.687
03/23/26	12:24:36	0.995520	25.422.119	10.965.440	82.107.269

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03/23/26	12:24:37	0.995550	25.404.989	10.949.970	82.244.217
03/23/26	12:24:38	0.995560	25.395.849	10.970.890	82.408.661
03/23/26	12:24:39	0.995590	25.379.021	10.962.020	82.655.212
03/23/26	12:24:40	0.995610	25.364.620	10.958.420	82.792.084
03/23/26	12:24:41	0.995630	25.352.409	10.942.310	82.956.230
03/23/26	12:24:42	0.995650	25.338.610	10.961.040	83.184.547
03/23/26	12:24:43	0.995690	25.318.930	10.943.120	83.339.737
03/23/26	12:24:44	0.995700	25.311.211	10.950.250	83.504.051
03/23/26	12:24:45	0.995720	25.296.980	10.945.090	83.750.687
03/23/26	12:24:46	0.995740	25.287.821	10.975.330	83.887.909
03/23/26	12:24:47	0.995760	25.269.369	10.949.610	84.052.299
03/23/26	12:24:48	0.995780	25.257.240	10.985.550	84.299.026
03/23/26	12:24:49	0.995800	25.245.110	10.972.780	84.436.172
03/23/26	12:24:50	0.995800	25.243.879	10.983.350	84.600.777
03/23/26	12:24:51	0.995790	25.244.419	10.961.630	84.829.147
03/23/26	12:24:52	0.995800	25.239.050	10.969.960	84.984.467
03/23/26	12:24:53	0.995820	25.230.989	10.953.480	85.148.827
03/23/26	12:24:54	0.995840	25.217.649	10.954.630	85.386.353
03/23/26	12:24:55	0.995860	25.208.630	10.980.560	85.532.669
03/23/26	12:24:56	0.995870	25.207.109	10.959.790	85.697.121
03/23/26	12:24:57	0.995810	25.209.820	4.981.310	85.832.779
03/23/26	12:24:58	0.995600	25.199.890	4.926.000	85.901.131
03/23/26	12:24:59	0.995600	25.189.850	4.850.460	85.969.437
03/23/26	12:25:00	0.995620	25.180.450	4.860.860	86.078.453
03/23/26	12:25:01	0.995660	25.182.541	4.852.410	86.143.181
03/23/26	12:25:02	0.995700	25.185.820	4.828.670	86.215.767
03/23/26	12:25:03	0.995770	25.187.340	4.826.190	86.316.467
03/23/26	12:25:04	0.995840	25.201.740	4.830.890	86.384.987
03/23/26	12:25:05	0.995870	25.212.299	4.827.270	86.457.481
03/23/26	12:25:06	0.995910	25.216.650	4.833.170	86.566.116
03/23/26	12:25:07	0.995930	25.241.180	4.830.870	86.626.518
03/23/26	12:25:08	0.996750	25.262.350	4.836.400	86.699.074
03/23/26	12:25:09	1.002.480	25.280.251	4.829.900	86.807.793
03/23/26	12:25:10	1.007.570	25.516.100	4.811.720	86.867.943
03/23/26	12:25:11	1.011.820	25.687.929	4.791.600	86.939.957
03/23/26	12:25:12	1.014.540	25.830.971	4.800.810	87.039.886
03/23/26	12:25:13	1.013.320	27.388.281	4.784.910	87.107.742
03/23/26	12:25:14	1.012.360	28.495.119	4.785.760	87.179.558
03/23/26	12:25:15	1.011.830	29.422.701	4.790.970	87.279.373
03/23/26	12:25:16	1.009.110	31.115.520	4.795.870	87.347.389
03/23/26	12:25:17	1.007.460	32.301.289	4.793.000	87.419.380
03/23/26	12:25:18	1.006.170	33.295.521	4.800.550	87.527.527



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03/23/26	12:25:19	1.004.290	34.531.872	4.821.750	87.587.761
03/23/26	12:25:20	1.003.040	35.390.339	4.837.070	87.660.057
03/23/26	12:25:21	1.002.280	35.965.729	4.820.140	87.760.483
03/23/26	12:25:22	1.001.220	36.692.589	4.818.550	87.828.819
03/23/26	12:25:23	0.999960	37.518.559	4.823.120	87.901.230
03/23/26	12:25:24	0.999450	37.903.900	4.862.390	88.002.197
03/23/26	12:25:25	0.998740	38.390.980	4.831.480	88.070.702
03/23/26	12:25:26	0.998070	38.834.419	4.830.000	88.143.127
03/23/26	12:25:27	0.997550	39.201.900	4.838.180	88.252.007
03/23/26	12:25:28	0.997040	39.538.940	4.825.310	88.312.393
03/23/26	12:25:29	0.996570	39.851.421	4.836.550	88.384.857
03/23/26	12:25:30	0.996200	40.113.380	4.839.380	88.489.693
03/23/26	12:25:31	0.995850	40.349.579	4.838.480	88.554.253
03/23/26	12:25:32	0.995540	40.560.970	4.845.950	88.626.953
03/23/26	12:25:33	0.995260	40.737.701	4.854.860	88.731.903
03/23/26	12:25:34	0.994860	40.907.051	4.859.610	88.792.519
03/23/26	12:25:35	0.994270	41.064.960	4.852.900	88.869.263
03/23/26	12:25:36	0.993820	41.174.561	4.839.150	88.970.230
03/23/26	12:25:37	0.993770	41.287.880	4.850.300	89.038.933
03/23/26	12:25:38	0.993990	41.359.909	4.847.190	89.111.740
03/23/26	12:25:39	0.994230	41.411.072	4.848.250	89.216.797
03/23/26	12:25:40	0.994200	41.474.152	4.850.220	89.281.410
03/23/26	12:25:41	0.994000	41.590.240	4.842.580	89.354.103
03/23/26	12:25:42	0.993800	41.645.821	4.849.950	89.455.101
03/23/26	12:25:43	0.993640	41.710.522	4.851.090	89.523.804
03/23/26	12:25:44	0.993450	41.807.892	4.848.490	89.592.506
03/23/26	12:25:45	0.993320	41.887.871	4.853.050	89.697.632
03/23/26	12:25:46	0.993250	41.937.672	4.839.310	89.766.296
03/23/26	12:25:47	0.993180	41.997.429	4.846.200	89.839.073
03/23/26	12:25:48	0.993130	42.046.761	4.843.940	89.948.143
03/23/26	12:25:49	0.993090	42.083.939	4.861.660	90.008.827
03/23/26	12:25:50	0.993050	42.129.971	4.847.650	90.081.627
03/23/26	12:25:51	0.993010	42.173.420	4.003.160	90.168.983
03/23/26	12:25:52	0.992950	42.208.752	4.024.190	90.225.952
03/23/26	12:25:53	0.992870	42.261.108	4.016.490	90.282.921
03/23/26	12:25:54	0.992840	42.294.540	4.046.280	90.370.407
03/23/26	12:25:55	0.992800	42.331.890	4.043.780	90.427.719
03/23/26	12:25:56	0.992730	42.376.652	4.047.910	90.488.457
03/23/26	12:25:57	0.992690	42.410.339	4.252.620	90.574.310
03/23/26	12:25:58	0.992680	42.432.220	4.298.810	90.635.201
03/23/26	12:25:59	0.992620	42.487.129	4.294.140	90.699.570
03/23/26	12:26:00	0.992580	42.512.798	5.076.840	90.799.896

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03/23/26	12:26:01	0.992590	42.531.639	5.076.860	90.872.108
03/23/26	12:26:02	0.992550	42.578.579	5.048.970	90.948.227
03/23/26	12:26:03	0.992500	42.620.689	4.857.330	91.049.751
03/23/26	12:26:04	0.992480	42.641.220	4.812.750	91.118.103
03/23/26	12:26:05	0.992420	42.686.699	4.337.120	91.184.036
03/23/26	12:26:06	0.992360	42.725.800	4.361.080	91.282.318
03/23/26	12:26:07	0.992350	42.742.340	4.361.580	91.336.838
03/23/26	12:26:08	0.992300	42.778.751	4.347.440	91.402.252
03/23/26	12:26:09	0.992270	42.808.849	4.360.820	91.500.313
03/23/26	12:26:10	0.992250	42.824.749	4.353.400	91.551.163
03/23/26	12:26:11	0.992210	42.858.639	5.200.260	91.631.706
03/23/26	12:26:12	0.992210	42.884.850	5.183.590	91.748.360
03/23/26	12:26:13	0.992220	42.894.569	5.191.460	91.813.232
03/23/26	12:26:14	0.992170	42.930.969	5.194.680	91.891.113
03/23/26	12:26:15	0.992130	42.966.782	5.656.790	92.015.747
03/23/26	12:26:16	0.992120	42.981.110	5.625.920	92.086.166
03/23/26	12:26:17	0.992080	43.015.820	5.642.260	92.170.753
03/23/26	12:26:18	0.992050	43.049.381	6.031.960	92.303.558
03/23/26	12:26:19	0.992020	43.063.770	6.009.700	92.378.853
03/23/26	12:26:20	0.991960	43.096.668	6.024.550	92.469.276
03/23/26	12:26:21	0.991900	43.129.490	6.022.340	92.594.757
03/23/26	12:26:22	0.991870	43.134.590	5.959.740	92.679.573
03/23/26	12:26:23	0.991830	43.143.608	5.372.400	92.761.482
03/23/26	12:26:24	0.991770	43.158.630	5.389.210	92.869.232
03/23/26	12:26:25	0.991740	43.172.920	5.377.660	92.949.951
03/23/26	12:26:26	0.991710	43.188.221	5.372.880	93.030.617
03/23/26	12:26:27	0.991680	43.204.979	5.379.910	93.142.670
03/23/26	12:26:28	0.991670	43.209.869	5.599.220	93.215.591
03/23/26	12:26:29	0.991680	43.217.041	5.645.090	93.305.031
03/23/26	12:26:30	0.991660	43.228.401	5.658.640	93.422.920
03/23/26	12:26:31	0.991640	43.241.562	5.656.720	93.498.238
03/23/26	12:26:32	0.991640	43.252.522	5.640.620	93.587.708
03/23/26	12:26:33	0.991670	43.265.850	5.638.490	93.714.577
03/23/26	12:26:34	0.991700	43.275.230	5.641.530	93.785.103
03/23/26	12:26:35	0.991710	43.292.221	5.637.030	93.869.728
03/23/26	12:26:36	0.991710	43.307.610	5.639.520	93.996.552
03/23/26	12:26:37	0.991710	43.309.010	5.639.150	94.066.978
03/23/26	12:26:38	0.991710	43.318.970	5.627.390	94.151.543
03/23/26	12:26:39	0.991660	43.349.918	5.637.250	94.269.012
03/23/26	12:26:40	0.991580	43.367.710	5.623.620	94.348.747
03/23/26	12:26:41	0.991460	43.384.220	5.626.280	94.433.189
03/23/26	12:26:42	0.991330	43.398.140	5.620.800	94.559.837

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03/23/26	12:26:43	0.991240	43.405.300	5.619.450	94.630.219
03/23/26	12:26:44	0.991170	43.404.640	5.626.370	94.714.622
03/23/26	12:26:45	0.991120	43.395.031	5.632.260	94.831.947
03/23/26	12:26:46	0.991100	43.391.060	5.612.640	94.911.598
03/23/26	12:26:47	0.991140	43.378.300	5.623.100	94.995.956
03/23/26	12:26:48	0.991270	43.354.809	5.612.140	95.113.182
03/23/26	12:26:49	0.991450	43.332.340	5.619.030	95.192.810
03/23/26	12:26:50	0.991610	43.324.821	5.614.320	95.277.039
03/23/26	12:26:51	0.991780	43.322.041	5.619.370	95.398.773
03/23/26	12:26:52	0.991860	43.322.338	5.612.280	95.468.887
03/23/26	12:26:53	0.991930	43.340.012	5.618.460	95.557.770
03/23/26	12:26:54	0.991930	43.390.171	5.624.560	95.674.751
03/23/26	12:26:55	0.991950	43.425.121	5.620.980	95.754.227
03/23/26	12:26:56	0.991970	43.448.299	5.610.970	95.838.402
03/23/26	12:26:57	0.991830	43.533.791	5.613.150	95.959.961
03/23/26	12:26:58	0.991720	43.573.078	5.617.980	96.034.798
03/23/26	12:26:59	0.991600	43.600.288	5.610.730	96.118.927
03/23/26	12:27:00	0.991390	43.672.249	5.604.490	96.235.893
03/23/26	12:27:01	0.991260	43.709.740	5.622.350	96.315.437
03/23/26	12:27:02	0.991210	43.736.149	5.607.690	96.399.567
03/23/26	12:27:03	0.991230	43.742.020	5.608.540	96.516.403
03/23/26	12:27:04	0.991270	43.740.200	5.609.300	96.595.932
03/23/26	12:27:05	0.991290	43.737.068	5.604.200	96.680.077
03/23/26	12:27:06	0.991310	43.740.589	5.597.230	96.805.962
03/23/26	12:27:07	0.991320	43.743.500	5.612.290	96.876.129
03/23/26	12:27:08	0.991340	43.746.078	5.595.160	96.960.220
03/23/26	12:27:09	0.991330	43.763.081	5.592.890	97.076.874
03/23/26	12:27:10	0.991320	43.778.542	5.603.780	97.151.527
03/23/26	12:27:11	0.991310	43.782.028	5.628.910	97.240.440
03/23/26	12:27:12	0.991270	43.798.801	5.590.120	97.361.740
03/23/26	12:27:13	0.991230	43.809.631	5.588.870	97.431.534
03/23/26	12:27:14	0.991190	43.812.439	5.588.350	97.519.981
03/23/26	12:27:15	0.991180	43.814.919	5.606.910	97.641.533
03/23/26	12:27:16	0.991170	43.814.369	5.581.600	97.715.912
03/23/26	12:27:17	0.991160	43.818.859	5.575.220	97.799.690
03/23/26	12:27:18	0.991140	43.821.091	5.642.270	97.916.733
03/23/26	12:27:19	0.991120	43.825.939	5.838.170	97.998.306
03/23/26	12:27:20	0.991100	43.836.079	6.270.820	98.089.943
03/23/26	12:27:21	0.991080	43.847.210	6.337.530	98.232.246
03/23/26	12:27:22	0.990750	43.848.610	7.112.820	98.318.169
03/23/26	12:27:23	0.987800	43.839.119	7.299.610	98.426.117
03/23/26	12:27:24	0.984350	43.719.330	7.533.960	98.581.787

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03/23/26	12:27:25	0.979370	43.541.111	7.795.010	98.690.933
03/23/26	12:27:26	0.975900	43.460.979	7.975.100	98.809.883
03/23/26	12:27:27	0.975070	42.536.381	8.119.230	98.978.302
03/23/26	12:27:28	0.975120	41.193.989	8.314.890	99.095.741
03/23/26	12:27:29	0.974690	40.576.130	8.306.510	99.220.467
03/23/26	12:27:30	0.975400	39.177.040	8.285.900	99.400.124
03/23/26	12:27:31	0.976870	37.735.100	8.269.530	99.510.536
03/23/26	12:27:32	0.978560	36.517.780	8.269.730	99.634.720
03/23/26	12:27:33	0.980590	35.232.910	8.265.980	99.807.129
03/23/26	12:27:34	0.982550	34.019.630	8.265.860	99.924.217
03/23/26	12:27:35	0.983860	33.206.570	7.140.630	100.036.247
03/23/26	12:27:36	0.985610	32.133.148	7.088.500	100.189.903
03/23/26	12:27:37	0.987470	31.358.681	7.095.160	100.278.419
03/23/26	12:27:38	0.993180	30.845.100	7.078.470	100.390.511
03/23/26	12:27:39	0.996590	30.429.541	7.051.610	100.537.468
03/23/26	12:27:40	0.997490	30.259.230	7.040.540	100.637.177
03/23/26	12:27:41	0.997880	30.143.110	7.018.540	100.742.523
03/23/26	12:27:42	0.997540	30.414.961	7.046.610	100.894.997
03/23/26	12:27:43	0.996950	30.794.300	7.055.230	100.989.212
03/23/26	12:27:44	0.996530	31.043.619	7.021.190	101.094.643
03/23/26	12:27:45	0.995990	31.413.290	7.042.430	101.252.739
03/23/26	12:27:46	0.995510	31.704.729	7.041.820	101.340.736
03/23/26	12:27:47	0.995190	31.898.769	7.033.370	101.446.327
03/23/26	12:27:48	0.994960	32.061.321	7.024.980	101.598.396
03/23/26	12:27:49	0.994670	32.234.699	7.024.530	101.692.230
03/23/26	12:27:50	0.994500	32.375.710	6.764.080	101.795.593
03/23/26	12:27:51	0.994340	32.460.670	6.745.840	101.935.944
03/23/26	12:27:52	0.994280	32.554.241	6.728.120	102.031.250
03/23/26	12:27:53	0.995450	32.621.880	6.753.010	102.132.446
03/23/26	12:27:54	0.996230	32.725.121	6.733.220	102.272.758
03/23/26	12:27:55	0.996220	32.866.070	6.730.670	102.368.027
03/23/26	12:27:56	0.996130	32.967.991	6.733.120	102.468.903
03/23/26	12:27:57	0.995860	33.137.859	6.743.020	102.620.308
03/23/26	12:27:58	0.995480	33.380.901	6.733.690	102.704.483
03/23/26	12:27:59	0.995220	33.539.261	6.734.180	102.805.527
03/23/26	12:28:00	0.994980	33.705.669	6.731.590	102.951.309
03/23/26	12:28:01	0.994740	33.860.828	6.732.760	103.035.507
03/23/26	12:28:02	0.994550	33.972.481	6.733.440	103.142.029
03/23/26	12:28:03	0.994360	34.092.899	6.729.390	103.293.503
03/23/26	12:28:04	0.994260	34.193.050	6.732.320	103.377.617
03/23/26	12:28:05	0.994150	34.262.600	6.722.070	103.478.592
03/23/26	12:28:06	0.994010	34.329.449	6.730.770	103.629.921



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03/23/26	12:28:07	0.993950	34.368.542	6.726.290	103.713.951
03/23/26	12:28:08	0.993870	34.415.871	6.714.740	103.814.880
03/23/26	12:28:09	0.993840	34.434.391	6.724.800	103.960.533
03/23/26	12:28:10	0.993810	34.459.579	6.719.630	104.050.163
03/23/26	12:28:11	0.993780	34.475.151	6.717.040	104.150.978
03/23/26	12:28:12	0.993790	34.486.580	7.145.550	104.300.034
03/23/26	12:28:13	0.993770	34.506.271	7.215.740	104.396.004
03/23/26	12:28:14	0.993790	34.519.600	7.201.220	104.503.952
03/23/26	12:28:15	0.994590	34.534.920	7.178.250	104.665.756
03/23/26	12:28:16	0.994910	34.580.639	7.187.450	104.749.603
03/23/26	12:28:17	0.994980	34.618.912	7.180.790	104.863.342
03/23/26	12:28:18	0.994940	34.645.149	7.182.430	105.001.106
03/23/26	12:28:19	0.994660	34.797.859	7.186.160	105.120.842
03/23/26	12:28:20	0.994460	34.898.170	7.169.580	105.216.431
03/23/26	12:28:21	0.994320	34.959.091	7.178.440	105.377.823
03/23/26	12:28:22	0.994090	35.065.510	7.183.790	105.473.549
03/23/26	12:28:23	0.993960	35.129.341	7.176.550	105.581.299
03/23/26	12:28:24	0.993890	35.183.319	7.183.400	105.736.778
03/23/26	12:28:25	0.993840	35.213.699	7.175.820	105.832.420
03/23/26	12:28:26	0.993790	35.257.820	7.187.260	105.940.163
03/23/26	12:28:27	0.993750	35.292.019	7.191.200	106.089.767
03/23/26	12:28:28	0.993720	35.324.940	7.176.260	106.191.422
03/23/26	12:28:29	0.993690	35.353.310	7.170.300	106.299.026
03/23/26	12:28:30	0.993700	35.361.191	7.162.610	106.454.437
03/23/26	12:28:31	0.993690	35.373.550	7.176.360	106.550.018
03/23/26	12:28:32	0.993690	35.385.471	7.166.220	106.657.608
03/23/26	12:28:33	0.993640	35.402.119	7.163.510	106.806.923
03/23/26	12:28:34	0.993600	35.422.020	7.165.030	106.908.417
03/23/26	12:28:35	0.993550	35.441.059	7.165.110	107.015.923
03/23/26	12:28:36	0.993530	35.451.851	7.166.330	107.165.237
03/23/26	12:28:37	0.993550	35.453.850	7.170.010	107.266.853
03/23/26	12:28:38	0.993570	35.455.219	7.146.530	107.374.260
03/23/26	12:28:39	0.993570	35.454.182	7.166.240	107.529.266
03/23/26	12:28:40	0.993580	35.458.290	7.165.070	107.624.733
03/23/26	12:28:41	0.993570	35.461.971	7.163.720	107.732.147
03/23/26	12:28:42	0.993590	35.470.539	7.156.910	107.875.343
03/23/26	12:28:43	0.993590	35.479.530	7.160.060	107.982.651
03/23/26	12:28:44	0.993590	35.500.679	7.164.740	108.090.027
03/23/26	12:28:45	0.993660	35.509.281	7.146.290	108.245.071
03/23/26	12:28:46	0.993710	35.520.168	7.151.870	108.346.413
03/23/26	12:28:47	0.993750	35.534.069	7.154.130	108.447.746
03/23/26	12:28:48	0.993750	35.544.170	7.158.700	108.608.719



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03/23/26	12:28:49	0.993720	35.558.979	7.147.790	108.692.123
03/23/26	12:28:50	0.993660	35.589.890	7.150.460	108.805.237
03/23/26	12:28:51	0.993610	35.617.371	7.152.570	108.948.303
03/23/26	12:28:52	0.993560	35.633.610	7.151.750	109.061.462
03/23/26	12:28:53	0.993510	35.648.991	7.142.840	109.162.682
03/23/26	12:28:54	0.993510	35.659.000	7.150.120	109.329.483
03/23/26	12:28:55	0.993510	35.664.440	7.144.050	109.412.941
03/23/26	12:28:56	0.993490	35.670.841	7.134.440	109.520.103
03/23/26	12:28:57	0.993480	35.678.261	7.143.600	109.663.002
03/23/26	12:28:58	0.993440	35.682.892	7.152.980	109.770.264
03/23/26	12:28:59	0.993390	35.685.860	7.149.840	109.877.434
03/23/26	12:29:00	0.993360	35.687.481	7.136.560	110.026.222
03/23/26	12:29:01	0.993350	35.688.271	7.138.890	110.133.118
03/23/26	12:29:02	0.993320	35.682.079	7.149.360	110.234.222
03/23/26	12:29:03	0.993300	35.682.949	7.131.590	110.394.920
03/23/26	12:29:04	0.993280	35.685.398	7.147.910	110.478.210
03/23/26	12:29:05	0.993300	35.677.132	7.119.340	110.590.988
03/23/26	12:29:06	0.993300	35.668.018	7.139.190	110.745.453
03/23/26	12:29:07	0.993310	35.660.610	7.133.530	110.840.691
03/23/26	12:29:08	0.993350	35.647.881	7.132.980	110.947.884
03/23/26	12:29:09	0.993340	35.636.662	7.120.260	111.108.223
03/23/26	12:29:10	0.993360	35.628.849	7.121.290	111.197.327
03/23/26	12:29:11	0.993350	35.620.220	7.130.210	111.304.268
03/23/26	12:29:12	0.993420	35.607.422	7.132.570	111.453.003
03/23/26	12:29:13	0.993420	35.600.029	7.124.040	111.553.909
03/23/26	12:29:14	0.993450	35.595.921	7.139.360	111.660.858
03/23/26	12:29:15	0.993440	35.602.501	7.145.950	111.821.419
03/23/26	12:29:16	0.993430	35.611.809	7.124.140	111.904.510
03/23/26	12:29:17	0.993440	35.613.560	7.124.010	112.017.303
03/23/26	12:29:18	0.993450	35.611.561	7.133.670	112.165.779
03/23/26	12:29:19	0.993470	35.595.249	7.120.740	112.260.849
03/23/26	12:29:20	0.993470	35.587.360	7.140.600	112.373.917
03/23/26	12:29:21	0.993470	35.586.269	8.183.630	112.544.960
03/23/26	12:29:22	0.993570	35.591.099	9.949.660	112.669.571
03/23/26	12:29:23	0.994040	35.597.370	10.226.230	112.811.249
03/23/26	12:29:24	0.998010	35.608.761	10.107.940	113.055.183
03/23/26	12:29:25	0.998810	35.613.640	10.011.680	113.163.712
03/23/26	12:29:26	0.998640	35.905.560	10.027.010	113.322.639
03/23/26	12:29:27	0.998020	36.343.750	10.048.630	113.523.613
03/23/26	12:29:28	0.997720	36.558.571	10.051.010	113.674.309
03/23/26	12:29:29	0.996600	36.985.249	10.064.570	113.825.203
03/23/26	12:29:30	0.993620	37.513.401	10.055.220	114.051.399



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03/23/26	12:29:31	0.994110	37.745.152	10.072.550	114.185.669
03/23/26	12:29:32	0.994240	38.027.050	10.079.660	114.328.323
03/23/26	12:29:33	0.994500	38.344.410	10.090.000	114.555.107
03/23/26	12:29:34	0.994500	38.485.920	10.083.320	114.681.107
03/23/26	12:29:35	0.994290	38.647.381	10.082.150	114.823.830
03/23/26	12:29:36	0.994000	38.825.531	10.084.510	115.050.652
03/23/26	12:29:37	0.993860	38.917.679	10.089.710	115.185.081
03/23/26	12:29:38	0.993700	39.015.942	10.072.810	115.336.250
03/23/26	12:29:39	0.993580	39.097.599	10.070.930	115.537.582
03/23/26	12:29:40	0.993510	39.144.051	10.082.440	115.688.713
03/23/26	12:29:41	0.993380	39.210.030	10.083.160	115.839.951
03/23/26	12:29:42	0.993300	39.264.191	10.078.140	116.049.973
03/23/26	12:29:43	0.993210	39.311.840	10.068.670	116.192.680
03/23/26	12:29:44	0.993140	39.353.001	10.087.910	116.343.857
03/23/26	12:29:45	0.993050	39.406.891	10.043.610	116.553.429
03/23/26	12:29:46	0.993030	39.426.811	10.052.260	116.687.393
03/23/26	12:29:47	0.992980	39.446.930	10.102.620	116.847.160
03/23/26	12:29:48	0.992970	39.472.061	10.072.210	117.048.897
03/23/26	12:29:49	0.992930	39.483.749	10.057.890	117.199.867
03/23/26	12:29:50	0.992900	39.495.232	10.064.070	117.350.853
03/23/26	12:29:51	0.992880	39.518.200	10.080.530	117.577.652
03/23/26	12:29:52	0.992830	39.537.762	10.063.490	117.703.499
03/23/26	12:29:53	0.992800	39.554.020	10.065.410	117.854.530
03/23/26	12:29:54	0.992770	39.580.490	10.073.690	118.081.161
03/23/26	12:29:55	0.992750	39.592.411	10.387.630	118.209.503
03/23/26	12:29:56	0.992750	39.602.921	10.852.460	118.370.293
03/23/26	12:29:57	0.991940	39.614.231	11.076.480	118.590.553
03/23/26	12:29:58	0.990050	39.623.810	11.072.380	118.766.197
03/23/26	12:29:59	0.989120	39.545.719	11.044.730	118.913.780
03/23/26	12:30:00	0.989030	39.332.859	11.085.310	119.172.394
03/23/26	12:30:01	0.989200	39.189.011	11.096.820	119.311.073
03/23/26	12:30:02	0.989300	39.092.400	11.069.500	119.477.272
03/23/26	12:30:03	0.990170	38.572.510	11.057.740	119.698.593
03/23/26	12:30:04	0.990610	38.315.399	11.084.900	119.864.807
03/23/26	12:30:05	0.990900	38.144.642	11.073.430	120.030.884
03/23/26	12:30:06	0.991370	37.811.588	11.060.470	120.261.299
03/23/26	12:30:07	0.991790	37.649.872	11.055.230	120.417.953
03/23/26	12:30:08	0.991950	37.534.840	11.060.580	120.583.961
03/23/26	12:30:09	0.992150	37.354.012	11.048.420	120.823.448
03/23/26	12:30:10	0.992130	37.273.109	11.075.460	120.970.993
03/23/26	12:30:11	0.992080	37.224.121	11.069.570	121.136.963
03/23/26	12:30:12	0.992190	37.105.530	11.038.770	121.376.297

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03/23/26	12:30:13	0.992230	37.044.250	11.057.430	121.532.829
03/23/26	12:30:14	0.992350	37.001.240	11.060.800	121.689.529
03/23/26	12:30:15	0.992560	36.908.169	11.036.720	121.919.746
03/23/26	12:30:16	0.992740	36.842.190	11.037.540	122.066.933
03/23/26	12:30:17	0.992880	36.782.440	11.048.890	122.241.814
03/23/26	12:30:18	0.993050	36.734.692	11.052.430	122.462.761
03/23/26	12:30:19	0.993140	36.704.941	11.039.920	122.637.604
03/23/26	12:30:20	0.993210	36.682.598	11.475.340	122.796.440
03/23/26	12:30:21	0.993260	36.667.400	11.523.390	123.046.150
03/23/26	12:30:22	0.992300	36.657.711	11.535.720	123.199.860
03/23/26	12:30:23	0.991450	36.660.439	11.541.420	123.372.871
03/23/26	12:30:24	0.991420	36.548.359	11.546.390	123.632.729
03/23/26	12:30:25	0.991530	36.464.809	11.536.950	123.767.387
03/23/26	12:30:26	0.991600	36.409.489	11.539.200	123.950.050
03/23/26	12:30:27	0.991940	36.191.650	11.546.620	124.219.269
03/23/26	12:30:28	0.992190	36.049.648	11.528.280	124.363.480
03/23/26	12:30:29	0.992340	35.947.151	11.532.790	124.526.871
03/23/26	12:30:30	0.992550	35.826.241	11.521.360	124.776.649
03/23/26	12:30:31	0.992760	35.696.949	11.541.920	124.930.428
03/23/26	12:30:32	0.992860	35.637.501	11.529.590	125.103.348
03/23/26	12:30:33	0.992970	35.571.949	11.526.460	125.343.536
03/23/26	12:30:34	0.993060	35.515.759	11.529.370	125.506.783
03/23/26	12:30:35	0.993170	35.464.901	11.520.550	125.679.558
03/23/26	12:30:36	0.993250	35.424.992	11.511.530	125.929.092
03/23/26	12:30:37	0.993300	35.387.520	11.521.490	126.082.733
03/23/26	12:30:38	0.993360	35.360.199	11.504.630	126.255.592
03/23/26	12:30:39	0.993410	35.324.871	11.506.140	126.524.246
03/23/26	12:30:40	0.993450	35.315.521	11.507.820	126.658.470
03/23/26	12:30:41	0.993450	35.305.901	11.513.640	126.831.253
03/23/26	12:30:42	0.993490	35.290.150	11.523.700	127.071.182
03/23/26	12:30:43	0.993510	35.272.919	11.521.230	127.234.291
03/23/26	12:30:44	0.993530	35.270.611	11.515.210	127.406.952
03/23/26	12:30:45	0.993530	35.267.231	11.514.750	127.656.380
03/23/26	12:30:46	0.993550	35.264.629	11.464.140	127.819.023
03/23/26	12:30:47	0.993590	35.266.418	11.510.070	127.981.796
03/23/26	12:30:48	0.993660	35.270.329	11.529.590	128.221.939
03/23/26	12:30:49	0.993710	35.275.829	11.502.970	128.385.025
03/23/26	12:30:50	0.993770	35.272.091	11.504.520	128.557.465
03/23/26	12:30:51	0.993860	35.275.181	11.506.500	128.787.659
03/23/26	12:30:52	0.993850	35.294.350	11.511.470	128.969.955
03/23/26	12:30:53	0.993840	35.307.129	11.499.870	129.132.965
03/23/26	12:30:54	0.993780	35.332.150	11.516.550	129.410.995

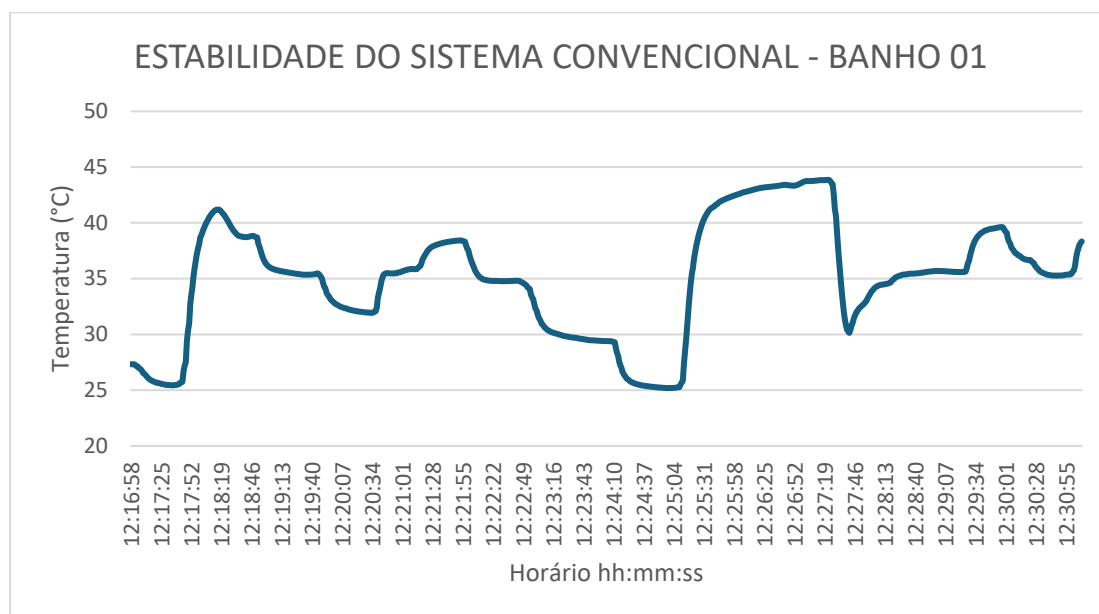
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03/23/26	12:30:55	0.993760	35.346.081	11.499.720	129.535.553
03/23/26	12:30:56	0.993690	35.357.849	11.509.400	129.708.145
03/23/26	12:30:57	0.993760	35.366.661	9.786.930	129.927.200
03/23/26	12:30:58	0.993560	35.373.100	8.836.510	130.061.401
03/23/26	12:30:59	0.994200	35.379.021	8.888.270	130.195.633
03/23/26	12:31:00	1.001.130	35.446.411	8.728.100	130.391.098
03/23/26	12:31:01	1.003.260	35.624.619	0.000000	130.397.888

Set de temperatura no aquecedor em 40°C

Legenda:

- Abertura do registro de água quente (somente)
- Regulagem da temperatura para banho por sensação térmica
- Abertura total do registro de água fria
- Abertura do registro de água quente para o "BANHO 02"
- Regulagem da temperatura para banho por sensação térmica "BANHO 02"
- Fechamento dos registros de água quente e fria do "BANHO 02"



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DADOS DE ESTABILIDADE TÉRMICA DO SISTEMA CONVENCIONAL - BANHO 02 (LORENZETTI)

Date	Time	Density (g/cm ³)	Temperature (°C)	Volume Flow Rate (liters/minute)	Volume Total (liters)
03/23/26	14:05:47	0.995750	25.525.061	0.000000	0.000000
03/23/26	14:05:48	0.995700	25.524.240	8.243.570	0.100420
03/23/26	14:05:49	0.996030	25.517.321	8.537.190	0.207700
03/23/26	14:05:50	0.995910	25.510.170	8.644.450	0.343850
03/23/26	14:05:51	0.995870	25.508.789	8.668.380	0.517010
03/23/26	14:05:52	0.996170	25.488.899	8.668.470	0.654180
03/23/26	14:05:53	0.996130	25.463.860	8.672.490	0.769770
03/23/26	14:05:54	0.995850	25.443.529	8.681.950	0.972470
03/23/26	14:05:55	0.995780	25.412.371	8.682.640	1.081.000
03/23/26	14:05:56	0.995810	25.381.090	8.670.090	1.211.240
03/23/26	14:05:57	0.995850	25.367.649	8.695.320	1.406.840
03/23/26	14:05:58	0.995940	25.344.101	8.681.650	1.515.410
03/23/26	14:05:59	0.996030	25.298.519	8.691.350	1.638.470
03/23/26	14:06:00	0.996090	25.260.019	8.686.120	1.841.190
03/23/26	14:06:01	0.996130	25.234.400	8.692.270	1.942.560
03/23/26	14:06:02	0.996160	25.207.741	8.685.600	2.072.850
03/23/26	14:06:03	0.996170	25.177.191	8.690.740	2.268.270
03/23/26	14:06:04	0.996190	25.155.809	8.684.450	2.376.850
03/23/26	14:06:05	0.996220	25.131.519	8.684.860	2.514.400
03/23/26	14:06:06	0.996250	25.108.931	8.688.640	2.717.090
03/23/26	14:06:07	0.996270	25.093.719	8.689.670	2.818.450
03/23/26	14:06:08	0.996300	25.079.020	8.687.900	2.941.500
03/23/26	14:06:09	0.996320	25.080.070	8.685.740	3.144.180
03/23/26	14:06:10	0.996320	25.080.311	8.681.190	3.245.490
03/23/26	14:06:11	0.996320	25.076.790	8.681.790	3.382.970
03/23/26	14:06:12	0.996330	25.066.740	8.672.850	3.578.290
03/23/26	14:06:13	0.996350	25.062.120	8.677.110	3.686.810
03/23/26	14:06:14	0.996360	25.048.229	8.685.310	3.809.850
03/23/26	14:06:15	0.996360	25.045.820	8.678.460	4.012.400
03/23/26	14:06:16	0.996350	25.044.849	8.675.230	4.113.650
03/23/26	14:06:17	0.996350	25.043.699	8.679.160	4.251.110
03/23/26	14:06:18	0.996350	25.038.271	8.689.770	4.439.250
03/23/26	14:06:19	0.996360	25.033.211	8.683.250	4.562.290
03/23/26	14:06:20	0.996380	25.026.390	8.677.530	4.685.260
03/23/26	14:06:21	0.996400	25.023.991	8.685.320	4.887.900
03/23/26	14:06:22	0.996410	25.025.221	8.688.040	4.989.200
03/23/26	14:06:23	0.996430	25.024.599	8.684.240	5.119.430



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03/23/26	14:06:24	0.996450	25.025.530	8.683.170	5.300.360
03/23/26	14:06:25	0.996470	25.024.490	8.684.020	5.423.370
03/23/26	14:06:26	0.996460	25.031.509	8.676.720	5.553.560
03/23/26	14:06:27	0.996460	25.039.230	8.668.500	5.741.310
03/23/26	14:06:28	0.996480	25.044.331	8.685.620	5.857.040
03/23/26	14:06:29	0.996510	25.050.739	8.685.470	5.980.210
03/23/26	14:06:30	0.996600	25.057.831	8.678.900	6.182.700
03/23/26	14:06:31	0.996740	25.058.981	8.689.790	6.283.960
03/23/26	14:06:32	0.997070	25.084.169	8.687.280	6.421.450
03/23/26	14:06:33	0.997960	25.101.490	8.668.750	6.616.870
03/23/26	14:06:34	0.999220	25.112.570	8.656.150	6.732.420
03/23/26	14:06:35	1.000.870	25.237.631	8.674.460	6.847.860
03/23/26	14:06:36	1.003.180	25.419.880	8.663.810	7.042.720
03/23/26	14:06:37	1.005.030	25.501.101	8.637.730	7.150.780
03/23/26	14:06:38	1.005.970	26.019.609	8.627.310	7.287.450
03/23/26	14:06:39	1.006.480	26.754.219	8.634.640	7.481.700
03/23/26	14:06:40	1.006.970	27.096.649	8.625.330	7.589.600
03/23/26	14:06:41	1.006.460	27.933.439	8.635.130	7.711.800
03/23/26	14:06:42	1.005.550	29.026.770	8.641.230	7.920.490
03/23/26	14:06:43	1.005.180	29.541.380	8.642.300	8.021.370
03/23/26	14:06:44	1.004.260	30.379.810	8.652.760	8.151.090
03/23/26	14:06:45	1.003.350	31.189.720	8.646.720	8.324.090
03/23/26	14:06:46	1.002.560	31.859.659	8.667.450	8.454.010
03/23/26	14:06:47	1.001.760	32.518.009	8.664.640	8.583.860
03/23/26	14:06:48	1.001.040	33.134.510	8.675.850	8.764.460
03/23/26	14:06:49	1.000.610	33.653.790	8.661.180	8.887.250
03/23/26	14:06:50	0.999850	34.144.760	8.686.380	9.010.150
03/23/26	14:06:51	0.999360	34.594.700	8.680.660	9.198.200
03/23/26	14:06:52	0.999060	34.890.141	8.677.200	9.321.230
03/23/26	14:06:53	0.998730	35.186.359	8.687.480	9.451.500
03/23/26	14:06:54	0.998100	35.663.780	8.688.600	9.646.950
03/23/26	14:06:55	0.997860	35.895.439	8.684.960	9.762.750
03/23/26	14:06:56	0.997590	36.123.020	8.694.160	9.878.610
03/23/26	14:06:57	0.997130	36.483.841	8.697.350	10.081.500
03/23/26	14:06:58	0.996930	36.654.800	8.699.850	10.182.980
03/23/26	14:06:59	0.996740	36.826.790	8.692.900	10.320.700
03/23/26	14:07:00	0.996380	37.106.590	8.706.410	10.501.950
03/23/26	14:07:01	0.996250	37.236.240	8.694.230	10.625.190
03/23/26	14:07:02	0.996120	37.366.989	8.703.230	10.748.490
03/23/26	14:07:03	0.995860	37.585.640	8.705.450	10.958.930
03/23/26	14:07:04	0.995730	37.698.250	8.701.190	11.053.200
03/23/26	14:07:05	0.995620	37.811.359	8.712.570	11.191.050

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03/23/26	14:07:06	0.995470	37.958.549	8.709.210	11.365.260
03/23/26	14:07:07	0.995390	38.084.171	8.712.050	11.503.180
03/23/26	14:07:08	0.995250	38.175.690	8.713.200	11.626.590
03/23/26	14:07:09	0.995110	38.296.558	8.717.740	11.815.430
03/23/26	14:07:10	0.995040	38.377.022	8.710.250	11.924.380
03/23/26	14:07:11	0.995010	38.429.482	8.719.460	12.062.400
03/23/26	14:07:12	0.994820	38.575.260	8.717.580	12.244.060
03/23/26	14:07:13	0.994760	38.647.430	8.713.650	12.367.510
03/23/26	14:07:14	0.994750	38.696.800	8.709.070	12.490.950
03/23/26	14:07:15	0.994610	38.824.310	8.711.630	12.687.040
03/23/26	14:07:16	0.994560	38.886.299	8.717.270	12.796.010
03/23/26	14:07:17	0.994540	38.926.460	8.717.380	12.934.030
03/23/26	14:07:18	0.994410	39.037.331	8.724.030	13.101.140
03/23/26	14:07:19	0.994320	39.091.591	8.717.530	13.246.430
03/23/26	14:07:20	0.994300	39.129.101	8.718.000	13.369.980
03/23/26	14:07:21	0.994210	39.229.912	8.728.410	13.558.960
03/23/26	14:07:22	0.994140	39.272.812	8.722.500	13.675.250
03/23/26	14:07:23	0.994120	39.298.679	8.713.670	13.806.000
03/23/26	14:07:24	0.994050	39.366.859	8.717.450	13.980.370
03/23/26	14:07:25	0.993970	39.432.220	8.722.040	14.118.450
03/23/26	14:07:26	0.993950	39.465.691	8.718.420	14.242.060
03/23/26	14:07:27	0.993850	39.544.640	8.721.420	14.445.610
03/23/26	14:07:28	0.993820	39.581.299	8.720.970	14.547.400
03/23/26	14:07:29	0.993800	39.600.128	8.719.260	14.678.310
03/23/26	14:07:30	0.993740	39.650.711	8.725.500	14.860.040
03/23/26	14:07:31	0.993700	39.690.220	8.722.660	14.983.640
03/23/26	14:07:32	0.993690	39.722.359	8.724.720	15.114.470
03/23/26	14:07:33	0.993620	39.781.872	8.728.270	15.310.830
03/23/26	14:07:34	0.993580	39.812.168	8.731.400	15.419.940
03/23/26	14:07:35	0.993570	39.829.510	8.733.580	15.550.870
03/23/26	14:07:36	0.993510	39.874.161	8.720.250	15.747.210
03/23/26	14:07:37	0.993480	39.906.071	8.725.330	15.856.280
03/23/26	14:07:38	0.993480	39.933.239	8.732.110	15.987.150
03/23/26	14:07:39	0.993450	39.972.420	8.725.850	16.161.680
03/23/26	14:07:40	0.993400	40.022.881	8.716.870	16.292.521
03/23/26	14:07:41	0.993380	40.044.788	8.726.570	16.423.410
03/23/26	14:07:42	0.993330	40.081.268	8.726.730	16.605.261
03/23/26	14:07:43	0.993290	40.124.729	8.727.650	16.728.880
03/23/26	14:07:44	0.993250	40.145.458	8.727.950	16.859.751
03/23/26	14:07:45	0.993190	40.188.129	8.723.520	17.056.070
03/23/26	14:07:46	0.993160	40.215.481	8.723.650	17.172.461
03/23/26	14:07:47	0.993150	40.229.301	8.725.110	17.288.780

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03/23/26	14:07:48	0.993140	40.251.148	8.730.790	17.492.460
03/23/26	14:07:49	0.993130	40.271.381	8.725.760	17.594.299
03/23/26	14:07:50	0.993120	40.285.931	8.724.460	17.732.470
03/23/26	14:07:51	0.993080	40.316.502	8.733.400	17.907.089
03/23/26	14:07:52	0.993050	40.344.669	8.731.990	18.038.050
03/23/26	14:07:53	0.993030	40.354.778	8.727.390	18.169.020
03/23/26	14:07:54	0.993010	40.371.941	8.728.930	18.365.440
03/23/26	14:07:55	0.992990	40.384.510	8.729.000	18.474.581
03/23/26	14:07:56	0.992980	40.396.339	8.724.660	18.605.490
03/23/26	14:07:57	0.992940	40.420.029	8.705.340	18.779.831
03/23/26	14:07:58	0.992900	40.443.890	8.717.230	18.910.601
03/23/26	14:07:59	0.992860	40.466.942	8.749.770	19.041.660
03/23/26	14:08:00	0.992830	40.485.451	8.730.830	19.223.810
03/23/26	14:08:01	0.992800	40.507.809	8.715.570	19.347.401
03/23/26	14:08:02	0.992790	40.513.302	8.737.510	19.478.279
03/23/26	14:08:03	0.992760	40.523.640	8.737.680	19.667.629
03/23/26	14:08:04	0.992760	40.526.970	8.707.980	19.776.711
03/23/26	14:08:05	0.992760	40.532.532	8.726.300	19.914.881
03/23/26	14:08:06	0.992760	40.535.740	8.745.450	20.089.640
03/23/26	14:08:07	0.992750	40.543.510	8.737.240	20.213.461
03/23/26	14:08:08	0.992750	40.542.099	8.731.290	20.351.721
03/23/26	14:08:09	0.992760	40.536.869	8.722.140	20.540.810
03/23/26	14:08:10	0.992770	40.538.090	8.734.350	20.657.280
03/23/26	14:08:11	0.992750	40.546.120	8.732.370	20.788.219
03/23/26	14:08:12	0.992760	40.562.111	8.733.900	20.962.761
03/23/26	14:08:13	0.992750	40.580.421	8.730.680	21.093.750
03/23/26	14:08:14	0.992740	40.592.140	8.723.440	21.224.680
03/23/26	14:08:15	0.992740	40.604.240	8.723.160	21.421.080
03/23/26	14:08:16	0.992710	40.621.101	8.734.710	21.530.199
03/23/26	14:08:17	0.992680	40.635.921	8.733.200	21.661.240
03/23/26	14:08:18	0.992650	40.647.591	8.735.820	21.835.880
03/23/26	14:08:19	0.992630	40.668.739	8.730.420	21.966.909
03/23/26	14:08:20	0.992610	40.680.759	8.732.490	22.097.891
03/23/26	14:08:21	0.992590	40.693.439	8.729.320	22.301.600
03/23/26	14:08:22	0.992600	40.699.539	8.735.890	22.403.469
03/23/26	14:08:23	0.992580	40.708.759	8.733.040	22.534.401
03/23/26	14:08:24	0.992570	40.721.931	8.733.100	22.730.850
03/23/26	14:08:25	0.992540	40.735.569	8.732.570	22.832.741
03/23/26	14:08:26	0.992510	40.751.980	8.733.210	22.971.010
03/23/26	14:08:27	0.992500	40.761.478	8.735.440	23.145.620
03/23/26	14:08:28	0.992470	40.773.651	8.732.170	23.276.590
03/23/26	14:08:29	0.992460	40.777.748	8.733.460	23.407.551

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03/23/26	14:08:30	0.992450	40.777.660	8.739.550	23.604.139
03/23/26	14:08:31	0.992460	40.774.502	8.737.790	23.706.039
03/23/26	14:08:32	0.992470	40.772.121	8.735.600	23.844.290
03/23/26	14:08:33	0.992480	40.773.849	8.735.060	24.018.869
03/23/26	14:08:34	0.992480	40.780.048	8.735.370	24.157.120
03/23/26	14:08:35	0.992460	40.790.741	8.728.940	24.273.550
03/23/26	14:08:36	0.992450	40.793.041	8.734.580	24.469.971
03/23/26	14:08:37	0.992440	40.801.949	8.733.910	24.579.149
03/23/26	14:08:38	0.992440	40.807.629	8.739.340	24.717.461
03/23/26	14:08:39	0.992430	40.814.629	8.736.170	24.906.630
03/23/26	14:08:40	0.992430	40.824.989	8.732.540	25.030.380
03/23/26	14:08:41	0.992430	40.832.279	8.728.760	25.154.100
03/23/26	14:08:42	0.992440	40.834.431	8.742.910	25.343.349
03/23/26	14:08:43	0.992440	40.839.729	8.744.870	25.459.850
03/23/26	14:08:44	0.992440	40.845.211	8.736.600	25.590.940
03/23/26	14:08:45	0.992430	40.851.959	8.735.220	25.765.600
03/23/26	14:08:46	0.992410	40.864.719	8.728.040	25.896.549
03/23/26	14:08:47	0.992390	40.879.829	8.734.660	26.027.510
03/23/26	14:08:48	0.992370	40.891.800	8.728.600	26.223.980
03/23/26	14:08:49	0.992350	40.900.452	8.730.480	26.333.151
03/23/26	14:08:50	0.992340	40.903.870	8.737.260	26.464.140
03/23/26	14:08:51	0.992340	40.904.110	8.724.020	26.646.030
03/23/26	14:08:52	0.992330	40.908.211	8.733.520	26.762.520
03/23/26	14:08:53	0.992330	40.914.799	8.731.360	26.900.761
03/23/26	14:08:54	0.992340	40.917.389	8.734.560	27.075.460
03/23/26	14:08:55	0.992340	40.919.579	8.734.470	27.213.779
03/23/26	14:08:56	0.992320	40.922.878	8.732.350	27.337.509
03/23/26	14:08:57	0.992300	40.934.299	8.740.040	27.541.321
03/23/26	14:08:58	0.992290	40.938.560	8.743.460	27.635.941
03/23/26	14:08:59	0.992270	40.942.360	8.733.000	27.774.260
03/23/26	14:09:00	0.992260	40.941.021	8.735.340	27.948.971
03/23/26	14:09:01	0.992260	40.941.040	8.735.710	28.087.231
03/23/26	14:09:02	0.992250	40.944.611	8.735.470	28.203.659
03/23/26	14:09:03	0.992240	40.953.430	8.724.410	28.400.080
03/23/26	14:09:04	0.992230	40.959.999	8.735.710	28.516.529
03/23/26	14:09:05	0.992220	40.963.020	8.731.610	28.647.530
03/23/26	14:09:06	0.992220	40.973.011	8.738.650	28.836.849
03/23/26	14:09:07	0.992210	40.980.011	8.741.760	28.946.060
03/23/26	14:09:08	0.992180	40.992.550	8.740.200	29.084.299
03/23/26	14:09:09	0.992170	40.997.849	8.734.020	29.258.949
03/23/26	14:09:10	0.992180	40.999.039	8.733.790	29.389.900
03/23/26	14:09:11	0.992180	40.999.870	8.730.030	29.520.880

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03/23/26	14:09:12	0.992180	41.004.589	8.740.420	29.710.079
03/23/26	14:09:13	0.992170	41.007.889	8.727.780	29.826.500
03/23/26	14:09:14	0.992160	41.008.869	8.736.050	29.957.451
03/23/26	14:09:15	0.992190	41.001.209	8.731.080	30.153.919
03/23/26	14:09:16	0.992200	40.996.140	8.734.750	30.263.050
03/23/26	14:09:17	0.992200	40.995.140	8.729.980	30.386.789
03/23/26	14:09:18	0.992200	41.000.561	8.733.080	30.590.490
03/23/26	14:09:19	0.992200	41.010.639	8.734.170	30.699.610
03/23/26	14:09:20	0.992180	41.019.920	8.725.760	30.830.521
03/23/26	14:09:21	0.992180	41.020.500	8.722.200	31.019.520
03/23/26	14:09:22	0.992200	41.017.208	8.722.670	31.135.780
03/23/26	14:09:23	0.992200	41.019.680	8.716.250	31.266.491
03/23/26	14:09:24	0.992200	41.023.170	8.715.180	31.469.879
03/23/26	14:09:25	0.992200	41.025.711	8.712.890	31.571.541
03/23/26	14:09:26	0.992190	41.034.721	8.701.990	31.702.129
03/23/26	14:09:27	0.992170	41.040.939	8.688.460	31.890.610
03/23/26	14:09:28	0.992170	41.041.420	8.686.690	31.999.140
03/23/26	14:09:29	0.992170	41.046.600	8.698.170	32.136.799
03/23/26	14:09:30	0.992160	41.056.580	8.691.280	32.318.020
03/23/26	14:09:31	0.992130	41.076.462	8.693.160	32.441.158
03/23/26	14:09:32	0.992120	41.085.331	8.683.540	32.571.510
03/23/26	14:09:33	0.992120	41.086.311	8.696.490	32.767.220
03/23/26	14:09:34	0.992110	41.081.501	8.682.510	32.868.591
03/23/26	14:09:35	0.992110	41.081.730	8.676.150	33.005.989
03/23/26	14:09:36	0.992120	41.080.311	8.676.120	33.201.340
03/23/26	14:09:37	0.992120	41.079.880	8.680.370	33.309.879
03/23/26	14:09:38	0.992120	41.085.880	8.676.050	33.440.090
03/23/26	14:09:39	0.992120	41.090.698	8.678.660	33.628.059
03/23/26	14:09:40	0.992130	41.094.440	8.696.570	33.736.671
03/23/26	14:09:41	0.992120	41.098.991	8.666.120	33.874.050
03/23/26	14:09:42	0.992100	41.104.462	8.654.560	34.047.169
03/23/26	14:09:43	0.992110	41.100.460	8.662.200	34.184.219
03/23/26	14:09:44	0.992120	41.098.808	8.659.520	34.299.740
03/23/26	14:09:45	0.992110	41.101.528	8.632.580	34.494.171
03/23/26	14:09:46	0.992100	41.109.501	8.636.490	34.609.280
03/23/26	14:09:47	0.992080	41.119.011	8.635.590	34.738.838
03/23/26	14:09:48	0.992060	41.132.961	8.629.030	34.911.430
03/23/26	14:09:49	0.992040	41.139.820	8.615.320	35.033.451
03/23/26	14:09:50	0.992010	41.144.341	8.567.020	35.169.361
03/23/26	14:09:51	0.991990	41.145.580	8.523.790	35.354.351
03/23/26	14:09:52	0.992000	41.143.879	8.498.110	35.467.850
03/23/26	14:09:53	0.991990	41.142.479	8.276.210	35.593.262

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03/23/26	14:09:54	0.991970	41.140.709	8.067.470	35.768.291
03/23/26	14:09:55	0.991920	41.138.882	6.851.440	35.859.379
03/23/26	14:09:56	0.991690	41.135.559	6.428.430	35.961.472
03/23/26	14:09:57	0.991810	41.135.208	6.435.330	36.106.239
03/23/26	14:09:58	0.991820	41.137.642	6.451.170	36.186.901
03/23/26	14:09:59	0.991830	41.136.768	6.440.070	36.283.581
03/23/26	14:10:00	0.991840	41.122.761	6.463.210	36.428.680
03/23/26	14:10:01	0.991830	41.118.031	6.745.480	36.506.710
03/23/26	14:10:02	0.991840	41.112.209	6.746.700	36.613.609
03/23/26	14:10:03	0.991850	41.102.070	6.737.260	36.748.402
03/23/26	14:10:04	0.991860	41.097.469	6.735.140	36.843.781
03/23/26	14:10:05	0.991860	41.090.542	6.748.250	36.944.962
03/23/26	14:10:06	0.991880	41.081.600	6.749.500	37.096.901
03/23/26	14:10:07	0.991890	41.076.618	6.742.800	37.186.790
03/23/26	14:10:08	0.991900	41.071.381	6.748.880	37.288.059
03/23/26	14:10:09	0.991910	41.067.539	6.739.660	37.428.612
03/23/26	14:10:10	0.991910	41.070.591	6.737.300	37.518.391
03/23/26	14:10:11	0.991900	41.075.500	6.732.580	37.625.080
03/23/26	14:10:12	0.991900	41.073.109	6.952.510	37.767.700
03/23/26	14:10:13	0.991930	41.069.901	7.243.700	37.870.079
03/23/26	14:10:14	0.991940	41.067.711	7.215.320	37.978.359
03/23/26	14:10:15	0.991950	41.065.231	7.202.940	38.128.410
03/23/26	14:10:16	0.991970	41.059.940	7.212.750	38.224.590
03/23/26	14:10:17	0.992000	41.051.769	7.208.490	38.338.829
03/23/26	14:10:18	0.992010	41.051.628	7.201.600	38.488.979
03/23/26	14:10:19	0.992010	41.053.558	7.213.390	38.591.110
03/23/26	14:10:20	0.992010	41.056.000	7.215.810	38.699.371
03/23/26	14:10:21	0.991990	41.069.382	7.212.860	38.855.640
03/23/26	14:10:22	0.991970	41.076.550	7.210.980	38.945.740
03/23/26	14:10:23	0.991960	41.081.341	7.213.540	39.059.929
03/23/26	14:10:24	0.991950	41.093.060	7.208.170	39.216.179
03/23/26	14:10:25	0.991950	41.098.499	7.203.640	39.318.260
03/23/26	14:10:26	0.991950	41.099.209	7.212.120	39.414.391
03/23/26	14:10:27	0.991950	41.099.880	7.207.560	39.588.570
03/23/26	14:10:28	0.991970	41.098.991	7.210.590	39.672.649
03/23/26	14:10:29	0.991980	41.098.801	7.206.000	39.780.769
03/23/26	14:10:30	0.991990	41.102.798	7.213.810	39.918.919
03/23/26	14:10:31	0.991990	41.103.901	7.206.960	40.033.051
03/23/26	14:10:32	0.991990	41.104.179	7.200.760	40.141.090
03/23/26	14:10:33	0.991990	41.111.050	7.203.710	40.297.211
03/23/26	14:10:34	0.991980	41.116.112	7.208.810	40.393.280
03/23/26	14:10:35	0.991980	41.120.331	7.205.920	40.501.369

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03/23/26	14:10:36	0.991990	41.126.640	7.205.490	40.657.471
03/23/26	14:10:37	0.991980	41.133.579	7.199.960	40.747.501
03/23/26	14:10:38	0.991990	41.138.142	7.209.380	40.861.622
03/23/26	14:10:39	0.991990	41.147.121	7.204.170	41.017.700
03/23/26	14:10:40	0.991990	41.153.500	7.200.660	41.113.720
03/23/26	14:10:41	0.992000	41.155.960	7.203.250	41.221.809
03/23/26	14:10:42	0.991990	41.173.321	7.208.330	41.383.930
03/23/26	14:10:43	0.991970	41.187.939	7.201.120	41.473.961
03/23/26	14:10:44	0.991960	41.194.031	7.204.090	41.582.008
03/23/26	14:10:45	0.991970	41.204.391	7.203.640	41.744.110
03/23/26	14:10:46	0.992010	41.206.211	7.201.880	41.834.160
03/23/26	14:10:47	0.992070	41.206.902	7.201.390	41.942.169
03/23/26	14:10:48	0.992200	41.218.048	7.200.630	42.098.141
03/23/26	14:10:49	0.992420	41.239.540	7.195.420	42.194.080
03/23/26	14:10:50	0.992750	41.259.689	7.194.070	42.302.010
03/23/26	14:10:51	0.993240	41.321.812	7.184.530	42.445.801
03/23/26	14:10:52	0.993830	41.390.671	7.180.720	42.559.528
03/23/26	14:10:53	0.994370	41.423.649	7.182.090	42.655.231
03/23/26	14:10:54	0.994770	41.601.849	7.176.530	42.834.660
03/23/26	14:10:55	0.994820	41.794.201	7.171.440	42.912.399
03/23/26	14:10:56	0.994890	41.929.428	7.172.210	43.019.970
03/23/26	14:10:57	0.994640	42.228.580	7.171.300	43.169.338
03/23/26	14:10:58	0.994310	42.500.401	7.173.530	43.270.969
03/23/26	14:10:59	0.994100	42.684.269	7.176.340	43.378.559
03/23/26	14:11:00	0.993700	42.976.158	7.175.510	43.545.921
03/23/26	14:11:01	0.993350	43.204.700	7.895.540	43.632.999
03/23/26	14:11:02	0.993200	43.356.541	8.604.190	43.760.590
03/23/26	14:11:03	0.992970	43.572.060	8.657.730	43.954.781
03/23/26	14:11:04	0.992740	43.740.799	8.659.670	44.063.042
03/23/26	14:11:05	0.992550	43.859.119	8.649.050	44.192.909
03/23/26	14:11:06	0.992280	43.974.331	8.661.950	44.373.280
03/23/26	14:11:07	0.991900	44.111.961	8.675.170	44.495.991
03/23/26	14:11:08	0.991590	44.220.032	8.664.480	44.625.980
03/23/26	14:11:09	0.991310	44.270.729	8.670.850	44.821.030
03/23/26	14:11:10	0.991130	44.313.400	8.659.370	44.929.409
03/23/26	14:11:11	0.991010	44.345.901	8.661.320	45.059.441
03/23/26	14:11:12	0.990930	44.358.089	8.700.660	45.262.150
03/23/26	14:11:13	0.990920	44.347.420	9.403.720	45.368.710
03/23/26	14:11:14	0.990960	44.343.449	9.790.040	45.515.301
03/23/26	14:11:15	0.990730	44.337.181	10.157.730	45.721.470
03/23/26	14:11:16	0.988860	44.322.540	10.626.470	45.870.949
03/23/26	14:11:17	0.986910	44.310.040	10.633.220	46.021.530

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03/23/26	14:11:18	0.983530	44.136.780	10.643.170	46.278.782
03/23/26	14:11:19	0.983530	43.713.760	10.655.330	46.403.160
03/23/26	14:11:20	0.984040	43.420.269	10.661.430	46.562.962
03/23/26	14:11:21	0.984980	42.920.231	10.980.580	46.787.949
03/23/26	14:11:22	0.986210	42.182.220	10.979.250	46.952.881
03/23/26	14:11:23	0.986450	41.680.099	10.976.550	47.108.349
03/23/26	14:11:24	0.986590	41.120.838	11.012.620	47.365.440
03/23/26	14:11:25	0.987160	40.563.999	11.023.740	47.494.030
03/23/26	14:11:26	0.987910	40.189.491	11.202.100	47.660.480
03/23/26	14:11:27	0.988210	39.939.571	11.261.490	47.894.791
03/23/26	14:11:28	0.988640	39.469.009	11.244.970	48.054.081
03/23/26	14:11:29	0.988730	39.056.068	11.241.790	48.222.721
03/23/26	14:11:30	0.989090	38.859.661	11.226.850	48.484.852
03/23/26	14:11:31	0.989700	38.481.098	11.282.140	48.616.299
03/23/26	14:11:32	0.990100	38.217.331	11.863.010	48.791.340
03/23/26	14:11:33	0.989930	37.993.919	12.116.790	49.063.412
03/23/26	14:11:34	0.988950	37.727.730	12.121.070	49.204.739
03/23/26	14:11:35	0.987990	37.542.179	12.126.830	49.396.679
03/23/26	14:11:36	0.987960	37.384.701	12.117.260	49.649.288
03/23/26	14:11:37	0.988770	36.889.912	12.118.930	49.820.999
03/23/26	14:11:38	0.989400	36.542.431	12.119.900	50.002.731
03/23/26	14:11:39	0.989940	36.255.669	12.104.460	50.275.089
03/23/26	14:11:40	0.990600	35.869.030	12.097.360	50.426.281
03/23/26	14:11:41	0.991080	35.599.270	12.090.450	50.607.689
03/23/26	14:11:42	0.991370	35.422.920	12.062.170	50.849.190
03/23/26	14:11:43	0.991810	35.172.859	12.087.980	51.040.520
03/23/26	14:11:44	0.992060	35.032.810	12.084.350	51.211.689
03/23/26	14:11:45	0.992360	34.896.412	12.046.520	51.493.439
03/23/26	14:11:46	0.992360	34.810.551	12.074.470	51.624.168
03/23/26	14:11:47	0.992430	34.687.130	12.063.500	51.815.361
03/23/26	14:11:48	0.992510	34.645.401	12.088.580	52.066.971
03/23/26	14:11:49	0.992680	34.594.231	12.061.450	52.237.770
03/23/26	14:11:50	0.992670	34.547.939	12.070.570	52.418.652
03/23/26	14:11:51	0.992790	34.490.101	12.128.760	52.670.639
03/23/26	14:11:52	0.992930	34.436.260	12.062.270	52.841.808
03/23/26	14:11:53	0.993020	34.384.651	12.033.520	53.022.469
03/23/26	14:11:54	0.993040	34.336.361	12.090.800	53.294.231
03/23/26	14:11:55	0.993180	34.296.169	12.086.780	53.445.301
03/23/26	14:11:56	0.993280	34.262.421	12.064.620	53.626.301
03/23/26	14:11:57	0.993320	34.239.319	12.051.930	53.907.780
03/23/26	14:11:58	0.993400	34.219.170	12.082.000	54.058.769
03/23/26	14:11:59	0.993380	34.204.731	12.063.890	54.229.752

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03/23/26	14:12:00	0.993240	34.198.051	12.082.480	54.511.189
03/23/26	14:12:01	0.993290	34.179.501	12.075.270	54.652.000
03/23/26	14:12:02	0.993220	34.158.131	12.064.220	54.833.130
03/23/26	14:12:03	0.992950	34.146.439	12.050.560	55.074.261
03/23/26	14:12:04	0.992990	34.121.071	12.056.330	55.255.150
03/23/26	14:12:05	0.993000	34.058.331	12.082.560	55.426.159
03/23/26	14:12:06	0.992850	34.023.380	12.062.450	55.727.749
03/23/26	14:12:07	0.992920	33.988.911	12.049.970	55.858.410
03/23/26	14:12:08	0.992980	33.919.010	12.081.030	56.039.371
03/23/26	14:12:09	0.992980	33.853.901	12.068.070	56.301.048
03/23/26	14:12:10	0.992990	33.795.738	12.060.900	56.462.040
03/23/26	14:12:11	0.993080	33.710.129	12.065.560	56.643.108
03/23/26	14:12:12	0.993100	33.643.261	11.685.180	56.907.871
03/23/26	14:12:13	0.993080	33.592.430	11.126.290	57.045.841
03/23/26	14:12:14	0.992130	33.520.012	11.054.640	57.211.700
03/23/26	14:12:15	0.988770	33.455.009	11.097.410	57.470.421
03/23/26	14:12:16	0.988560	33.293.152	11.092.800	57.599.831
03/23/26	14:12:17	0.988990	32.938.290	11.086.150	57.766.220
03/23/26	14:12:18	0.989390	32.700.508	11.104.590	57.988.121
03/23/26	14:12:19	0.989620	32.361.549	11.080.860	58.154.510
03/23/26	14:12:20	0.990640	31.911.800	11.095.530	58.320.690
03/23/26	14:12:21	0.990920	31.601.561	11.112.920	58.561.371
03/23/26	14:12:22	0.991200	31.268.120	11.064.870	58.709.270
03/23/26	14:12:23	0.991870	30.971.889	11.072.990	58.875.252
03/23/26	14:12:24	0.992290	30.768.950	11.109.120	59.087.830
03/23/26	14:12:25	0.992420	30.634.689	11.103.460	59.272.739
03/23/26	14:12:26	0.992420	30.434.071	11.085.990	59.420.479
03/23/26	14:12:27	0.992730	30.268.669	11.078.110	59.697.491
03/23/26	14:12:28	0.992970	30.194.460	11.085.340	59.817.612
03/23/26	14:12:29	0.993210	30.058.830	8.821.130	59.959.660
03/23/26	14:12:30	0.992840	29.937.120	8.368.520	60.146.290
03/23/26	14:12:31	0.990990	29.875.570	8.417.800	60.265.450
03/23/26	14:12:32	0.989150	29.723.810	8.434.620	60.384.918
03/23/26	14:12:33	0.989100	29.587.500	8.426.980	60.581.650
03/23/26	14:12:34	0.989020	29.525.431	8.438.430	60.680.161
03/23/26	14:12:35	0.988750	29.027.340	8.455.910	60.806.950
03/23/26	14:12:36	0.988820	28.589.861	8.451.530	60.990.021
03/23/26	14:12:37	0.988620	28.384.800	8.446.650	61.095.551
03/23/26	14:12:38	0.989500	27.987.341	8.408.140	61.229.252
03/23/26	14:12:39	0.990170	27.711.510	8.428.850	61.405.079
03/23/26	14:12:40	0.990840	27.530.331	8.432.920	61.524.818
03/23/26	14:12:41	0.991370	27.230.680	8.455.490	61.651.520

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03/23/26	14:12:42	0.991450	27.008.520	8.434.650	61.848.282
03/23/26	14:12:43	0.991760	26.935.209	8.457.610	61.946.690
03/23/26	14:12:44	0.992460	26.794.950	8.451.360	62.073.299
03/23/26	14:12:45	0.992820	26.642.260	8.444.360	62.249.069
03/23/26	14:12:46	0.993210	26.565.571	8.447.400	62.375.839
03/23/26	14:12:47	0.993330	26.471.180	8.436.900	62.495.399
03/23/26	14:12:48	0.993340	26.362.511	8.425.760	62.692.429
03/23/26	14:12:49	0.993270	26.313.730	11.285.710	62.806.160
03/23/26	14:12:50	0.994170	26.247.299	11.059.640	62.981.380
03/23/26	14:12:51	0.994450	26.175.911	11.067.150	63.230.412
03/23/26	14:12:52	0.994410	26.149.220	11.071.930	63.368.721
03/23/26	14:12:53	0.994670	26.100.439	11.075.630	63.534.740
03/23/26	14:12:54	0.994800	26.052.311	11.053.880	63.774.479
03/23/26	14:12:55	0.994870	26.005.211	11.049.630	63.921.810
03/23/26	14:12:56	0.994960	25.969.271	11.063.320	64.087.662
03/23/26	14:12:57	0.995060	25.937.611	11.058.750	64.318.169
03/23/26	14:12:58	0.995120	25.911.791	11.051.040	64.474.800
03/23/26	14:12:59	0.995190	25.879.490	11.067.400	64.640.709
03/23/26	14:13:00	0.995270	25.861.601	11.063.030	64.871.162
03/23/26	14:13:01	0.995290	25.854.349	11.046.810	65.027.817
03/23/26	14:13:02	0.995310	25.849.140	11.050.670	65.193.672
03/23/26	14:13:03	0.995350	25.841.579	11.052.070	65.423.973
03/23/26	14:13:04	0.995380	25.834.789	11.069.310	65.580.704
03/23/26	14:13:05	0.995410	25.827.980	11.048.290	65.746.490
03/23/26	14:13:06	0.995480	25.810.080	11.048.010	66.004.372
03/23/26	14:13:07	0.995500	25.809.540	11.052.930	66.133.308
03/23/26	14:13:08	0.995520	25.811.420	11.066.060	66.299.156
03/23/26	14:13:09	0.995540	25.818.830	11.065.820	66.547.836
03/23/26	14:13:10	0.995580	25.814.610	11.054.780	66.695.236
03/23/26	14:13:11	0.995620	25.811.670	11.052.220	66.851.830
03/23/26	14:13:12	0.995660	25.814.461	11.048.300	67.109.734
03/23/26	14:13:13	0.995670	25.825.180	11.043.990	67.238.586
03/23/26	14:13:14	0.995700	25.836.140	11.053.390	67.404.297
03/23/26	14:13:15	0.995710	25.857.340	11.043.390	67.625.320
03/23/26	14:13:16	0.995730	25.871.389	11.047.900	67.800.270
03/23/26	14:13:17	0.995780	25.880.220	11.050.030	67.956.802
03/23/26	14:13:18	0.995860	25.888.710	11.061.850	68.205.482
03/23/26	14:13:19	0.995930	25.899.540	11.045.300	68.334.328
03/23/26	14:13:20	0.996040	25.913.891	11.052.740	68.509.193
03/23/26	14:13:21	0.996120	25.962.500	11.050.870	68.739.418
03/23/26	14:13:22	0.996250	25.983.810	11.059.780	68.886.749
03/23/26	14:13:23	0.996450	25.994.261	11.040.860	69.061.707



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03/23/26	14:13:24	0.996580	26.077.770	11.055.260	69.310.272
03/23/26	14:13:25	0.996820	26.115.999	11.034.840	69.448.334
03/23/26	14:13:26	0.997200	26.138.149	11.046.260	69.613.998
03/23/26	14:13:27	0.997460	26.289.410	11.044.050	69.853.127
03/23/26	14:13:28	0.997740	26.362.659	11.030.200	70.000.259
03/23/26	14:13:29	0.998050	26.411.240	11.035.390	70.165.787
03/23/26	14:13:30	0.998120	26.680.019	11.034.700	70.404.839
03/23/26	14:13:31	0.998160	26.814.939	11.038.320	70.551.979
03/23/26	14:13:32	0.998320	26.905.790	11.011.580	70.717.239
03/23/26	14:13:33	0.998120	27.174.589	11.041.620	70.947.189
03/23/26	14:13:34	0.997920	27.407.681	11.035.450	71.103.508
03/23/26	14:13:35	0.997950	27.516.529	11.048.370	71.269.089
03/23/26	14:13:36	0.997720	27.766.251	11.042.410	71.517.578
03/23/26	14:13:37	0.997530	27.941.071	11.037.300	71.655.632
03/23/26	14:13:38	0.997380	28.085.150	11.032.140	71.821.182
03/23/26	14:13:39	0.997190	28.288.481	11.058.790	72.078.949
03/23/26	14:13:40	0.997000	28.431.919	11.050.070	72.217.072
03/23/26	14:13:41	0.996920	28.525.450	11.060.300	72.373.581
03/23/26	14:13:42	0.996720	28.702.610	11.040.470	72.603.783
03/23/26	14:13:43	0.996580	28.810.909	11.061.300	72.760.406
03/23/26	14:13:44	0.996510	28.884.300	11.067.060	72.926.338
03/23/26	14:13:45	0.996390	29.017.229	11.050.080	73.175.217
03/23/26	14:13:46	0.996270	29.094.940	11.056.670	73.313.377
03/23/26	14:13:47	0.996240	29.137.140	11.063.010	73.479.271
03/23/26	14:13:48	0.996190	29.226.101	11.061.450	73.709.892
03/23/26	14:13:49	0.996090	29.280.531	11.070.290	73.866.676
03/23/26	14:13:50	0.996040	29.328.581	11.042.630	74.032.494
03/23/26	14:13:51	0.995980	29.389.420	11.071.380	74.281.311
03/23/26	14:13:52	0.995880	29.462.170	11.074.590	74.428.833
03/23/26	14:13:53	0.995870	29.498.030	11.071.970	74.585.602
03/23/26	14:13:54	0.995790	29.560.070	11.059.480	74.834.473
03/23/26	14:13:55	0.995760	29.585.871	11.065.170	74.972.771
03/23/26	14:13:56	0.995740	29.619.770	11.070.000	75.138.733
03/23/26	14:13:57	0.995720	29.648.870	11.057.980	75.359.940
03/23/26	14:13:58	0.995690	29.673.080	11.073.920	75.525.963
03/23/26	14:13:59	0.995710	29.685.869	11.068.200	75.691.994
03/23/26	14:14:00	0.995720	29.712.669	11.043.440	75.931.511
03/23/26	14:14:01	0.995640	29.740.129	11.045.880	76.078.972
03/23/26	14:14:02	0.995630	29.761.589	11.067.980	76.244.881
03/23/26	14:14:03	0.995590	29.797.159	11.054.100	76.484.459
03/23/26	14:14:04	0.995540	29.827.480	11.056.030	76.641.083
03/23/26	14:14:05	0.995540	29.848.230	11.060.980	76.788.696

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03/23/26	14:14:06	0.995510	29.877.140	11.059.160	77.037.521
03/23/26	14:14:07	0.995480	29.895.519	11.061.360	77.194.199
03/23/26	14:14:08	0.995470	29.907.579	11.076.930	77.350.906
03/23/26	14:14:09	0.995460	29.926.310	11.061.300	77.590.729
03/23/26	14:14:10	0.995480	29.943.171	11.069.050	77.738.159
03/23/26	14:14:11	0.995440	29.961.590	11.069.280	77.904.099
03/23/26	14:14:12	0.995410	29.981.449	11.056.140	78.162.193
03/23/26	14:14:13	0.995380	30.001.711	11.053.540	78.291.183
03/23/26	14:14:14	0.995360	30.006.350	11.066.330	78.457.039
03/23/26	14:14:15	0.995370	30.005.079	11.062.560	78.687.538
03/23/26	14:14:16	0.995360	30.011.450	11.063.730	78.844.238
03/23/26	14:14:17	0.995360	30.016.689	11.065.980	79.010.063
03/23/26	14:14:18	0.995330	30.024.490	11.057.260	79.268.082
03/23/26	14:14:19	0.995290	30.029.980	11.055.970	79.397.087
03/23/26	14:14:20	0.995290	30.036.329	11.060.840	79.562.973
03/23/26	14:14:21	0.995250	30.043.810	11.046.140	79.821.129
03/23/26	14:14:22	0.995200	30.046.400	11.074.500	79.950.272
03/23/26	14:14:23	0.995170	30.052.530	11.065.280	80.116.226
03/23/26	14:14:24	0.995160	30.058.710	11.073.700	80.355.942
03/23/26	14:14:25	0.995140	30.055.969	11.069.740	80.512.650
03/23/26	14:14:26	0.995090	30.050.560	11.062.950	80.669.327
03/23/26	14:14:27	0.995080	30.043.150	11.061.140	80.908.897
03/23/26	14:14:28	0.995060	30.028.620	11.047.460	81.056.252
03/23/26	14:14:29	0.995060	30.022.221	11.064.190	81.222.153
03/23/26	14:14:30	0.995020	30.016.500	11.075.570	81.452.583
03/23/26	14:14:31	0.995030	29.997.570	11.050.670	81.609.207
03/23/26	14:14:32	0.995000	29.978.201	11.061.140	81.775.017
03/23/26	14:14:33	0.994990	29.968.491	11.052.420	82.023.819
03/23/26	14:14:34	0.995000	29.945.551	11.066.880	82.162.193
03/23/26	14:14:35	0.994970	29.933.451	11.058.540	82.328.148
03/23/26	14:14:36	0.994940	29.930.840	11.054.350	82.576.958
03/23/26	14:14:37	0.994910	29.903.391	12.188.860	82.713.173
03/23/26	14:14:38	0.995020	29.882.420	12.023.520	82.903.458
03/23/26	14:14:39	0.998630	29.864.479	12.010.770	83.154.053
03/23/26	14:14:40	1.000.510	29.976.851	11.968.040	83.323.730
03/23/26	14:14:41	1.000.640	30.059.361	11.989.290	83.503.517
03/23/26	14:14:42	1.000.440	30.120.871	11.970.460	83.783.150
03/23/26	14:14:43	0.999310	30.716.841	11.999.160	83.923.019
03/23/26	14:14:44	0.998440	31.139.629	11.987.480	84.102.943
03/23/26	14:14:45	0.997820	31.425.610	12.014.430	84.343.040
03/23/26	14:14:46	0.996900	31.857.441	12.014.270	84.533.249
03/23/26	14:14:47	0.996260	32.103.111	12.017.220	84.693.413

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03/23/26	14:14:48	0.995770	32.303.970	12.005.510	84.983.704
03/23/26	14:14:49	0.995500	32.442.001	12.018.520	85.133.972
03/23/26	14:14:50	0.995240	32.537.109	12.024.920	85.304.176
03/23/26	14:14:51	0.995010	32.598.850	12.017.140	85.554.779
03/23/26	14:14:52	0.994890	32.626.911	12.020.590	85.725.082
03/23/26	14:14:53	0.994790	32.637.112	12.034.470	85.905.487
03/23/26	14:14:54	0.994700	32.645.630	12.017.210	86.185.944
03/23/26	14:14:55	0.994710	32.628.052	12.021.390	86.326.210
03/23/26	14:14:56	0.994680	32.605.412	12.028.200	86.506.554
03/23/26	14:14:57	0.994470	32.596.790	12.030.480	86.767.014
03/23/26	14:14:58	0.994730	32.585.831	12.035.350	86.917.442
03/23/26	14:14:59	0.994880	32.573.669	12.037.050	87.107.933
03/23/26	14:15:00	0.995010	32.562.210	12.011.960	87.368.347
03/23/26	14:15:01	0.995100	32.563.541	12.032.320	87.528.587
03/23/26	14:15:02	0.995230	32.569.832	12.019.370	87.708.847
03/23/26	14:15:03	0.995340	32.570.591	12.020.230	87.959.290
03/23/26	14:15:04	0.995420	32.603.161	12.013.650	88.119.469
03/23/26	14:15:05	0.995450	32.642.540	12.011.650	88.309.731
03/23/26	14:15:06	0.995490	32.670.780	12.004.570	88.569.977
03/23/26	14:15:07	0.995500	32.710.400	12.024.820	88.730.209
03/23/26	14:15:08	0.995400	32.790.730	12.017.630	88.910.461
03/23/26	14:15:09	0.995430	32.834.919	12.009.940	89.160.881
03/23/26	14:15:10	0.995410	32.885.311	12.012.230	89.341.133
03/23/26	14:15:11	0.995370	32.963.551	12.022.690	89.511.414
03/23/26	14:15:12	0.995290	33.028.858	12.011.300	89.771.729
03/23/26	14:15:13	0.995290	33.075.581	12.007.990	89.921.913
03/23/26	14:15:14	0.995190	33.136.551	12.012.690	90.112.228
03/23/26	14:15:15	0.995160	33.192.421	12.024.240	90.372.688
03/23/26	14:15:16	0.995110	33.234.131	12.031.770	90.533.043
03/23/26	14:15:17	0.995050	33.289.089	12.004.280	90.713.318
03/23/26	14:15:18	0.995010	33.335.651	12.025.600	90.973.686
03/23/26	14:15:19	0.994980	33.367.519	12.015.300	91.123.878
03/23/26	14:15:20	0.994940	33.403.210	12.009.480	91.314.178
03/23/26	14:15:21	0.994920	33.430.370	12.037.540	91.564.507
03/23/26	14:15:22	0.994890	33.452.709	12.040.560	91.734.810
03/23/26	14:15:23	0.994840	33.487.270	12.026.060	91.915.138
03/23/26	14:15:24	0.994890	33.506.081	11.997.000	92.175.461
03/23/26	14:15:25	0.994830	33.514.179	12.021.220	92.335.770
03/23/26	14:15:26	0.994810	33.551.208	12.017.830	92.516.151
03/23/26	14:15:27	0.994810	33.574.532	12.028.880	92.766.563
03/23/26	14:15:28	0.994780	33.590.038	12.017.230	92.926.826
03/23/26	14:15:29	0.994750	33.624.260	12.004.040	93.117.104

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03/23/26	14:15:30	0.994720	33.641.850	12.018.140	93.357.422
03/23/26	14:15:31	0.994720	33.655.739	12.013.980	93.547.737
03/23/26	14:15:32	0.994670	33.678.631	12.012.690	93.718.033
03/23/26	14:15:33	0.994710	33.689.350	12.024.440	93.998.672
03/23/26	14:15:34	0.994720	33.686.119	12.018.300	94.138.878
03/23/26	14:15:35	0.994720	33.698.700	12.021.780	94.319.191
03/23/26	14:15:36	0.994690	33.718.529	12.010.820	94.589.706
03/23/26	14:15:37	0.994670	33.734.348	12.024.300	94.739.998
03/23/26	14:15:38	0.994650	33.759.399	12.015.250	94.920.357
03/23/26	14:15:39	0.994620	33.784.199	12.024.070	95.210.861
03/23/26	14:15:40	0.994610	33.799.961	12.018.610	95.351.051
03/23/26	14:15:41	0.994590	33.820.782	12.014.630	95.521.347
03/23/26	14:15:42	0.994560	33.835.869	12.004.450	95.781.670
03/23/26	14:15:43	0.994570	33.837.330	12.010.600	95.941.887
03/23/26	14:15:44	0.994560	33.851.009	12.010.290	96.122.261
03/23/26	14:15:45	0.994540	33.860.100	12.024.080	96.382.797
03/23/26	14:15:46	0.994550	33.867.279	12.014.920	96.542.961
03/23/26	14:15:47	0.994550	33.885.689	12.017.060	96.723.152
03/23/26	14:15:48	0.994550	33.896.130	12.016.660	96.983.704
03/23/26	14:15:49	0.994560	33.898.701	12.018.370	97.134.033
03/23/26	14:15:50	0.994660	33.907.959	12.013.930	97.324.203
03/23/26	14:15:51	0.994790	33.918.861	12.015.730	97.604.561
03/23/26	14:15:52	0.994950	33.933.029	12.017.960	97.754.837
03/23/26	14:15:53	0.995080	33.970.669	12.006.770	97.925.079
03/23/26	14:15:54	0.995250	34.018.608	12.005.370	98.185.226
03/23/26	14:15:55	0.995440	34.026.791	11.993.450	98.345.299
03/23/26	14:15:56	0.995470	34.095.711	12.025.210	98.525.551
03/23/26	14:15:57	0.995530	34.198.929	12.022.610	98.785.873
03/23/26	14:15:58	0.995570	34.256.889	12.015.450	98.956.017
03/23/26	14:15:59	0.995550	34.368.011	12.014.810	99.126.213
03/23/26	14:16:00	0.995420	34.507.191	12.008.330	99.406.487
03/23/26	14:16:01	0.995440	34.566.639	12.020.300	99.546.677
03/23/26	14:16:02	0.995330	34.669.239	12.021.040	99.726.952
03/23/26	14:16:03	0.995260	34.799.358	12.007.720	99.997.269
03/23/26	14:16:04	0.995200	34.842.239	12.013.010	100.147.499
03/23/26	14:16:05	0.995060	34.955.421	12.013.890	100.327.812
03/23/26	14:16:06	0.994970	35.046.909	12.016.690	100.588.287
03/23/26	14:16:07	0.994900	35.115.921	12.025.400	100.748.550
03/23/26	14:16:08	0.994800	35.183.510	12.026.130	100.928.864
03/23/26	14:16:09	0.994700	35.281.490	12.029.860	101.189.392
03/23/26	14:16:10	0.994670	35.318.081	12.015.450	101.339.592
03/23/26	14:16:11	0.994650	35.355.240	12.016.820	101.530.037

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03/23/26	14:16:12	0.994560	35.424.999	12.015.550	101.780.411
03/23/26	14:16:13	0.994520	35.461.460	12.022.280	101.950.706
03/23/26	14:16:14	0.994490	35.498.299	12.028.200	102.131.027
03/23/26	14:16:15	0.994480	35.549.770	12.026.010	102.381.653
03/23/26	14:16:16	0.994410	35.574.188	12.009.830	102.541.847
03/23/26	14:16:17	0.994420	35.601.742	12.023.040	102.732.307
03/23/26	14:16:18	0.994320	35.644.032	12.031.070	102.992.828
03/23/26	14:16:19	0.994330	35.676.430	12.024.350	103.153.183
03/23/26	14:16:20	0.994260	35.709.888	12.036.360	103.333.549
03/23/26	14:16:21	0.994250	35.738.949	12.022.140	103.594.032
03/23/26	14:16:22	0.994260	35.756.630	12.030.390	103.754.379
03/23/26	14:16:23	0.994190	35.778.221	12.018.840	103.934.738
03/23/26	14:16:24	0.994150	35.806.850	12.028.780	104.195.183
03/23/26	14:16:25	0.994160	35.833.221	12.034.850	104.365.440
03/23/26	14:16:26	0.994130	35.852.970	12.038.260	104.535.797
03/23/26	14:16:27	0.994080	35.892.181	12.025.130	104.826.447
03/23/26	14:16:28	0.994060	35.904.221	12.031.940	104.956.802
03/23/26	14:16:29	0.994080	35.907.761	12.034.850	105.137.108
03/23/26	14:16:30	0.994070	35.931.568	12.024.340	105.397.713
03/23/26	14:16:31	0.994050	35.944.618	12.020.720	105.568.077
03/23/26	14:16:32	0.994020	35.954.830	12.024.630	105.738.388
03/23/26	14:16:33	0.994040	35.971.840	12.008.500	105.998.848
03/23/26	14:16:34	0.993980	35.984.341	12.028.250	106.159.172
03/23/26	14:16:35	0.994010	35.987.381	12.040.800	106.339.569
03/23/26	14:16:36	0.994000	36.004.761	11.999.870	106.609.962
03/23/26	14:16:37	0.993980	36.011.551	12.021.960	106.750.214
03/23/26	14:16:38	0.993970	36.027.100	12.020.220	106.940.498
03/23/26	14:16:39	0.993960	36.044.201	12.006.430	107.211.098
03/23/26	14:16:40	0.993950	36.055.580	12.035.110	107.371.498
03/23/26	14:16:41	0.993920	36.062.439	12.011.350	107.541.801
03/23/26	14:16:42	0.993920	36.086.319	12.025.540	107.822.433
03/23/26	14:16:43	0.993930	36.096.821	12.030.420	107.962.807
03/23/26	14:16:44	0.993900	36.109.138	12.023.210	108.143.051
03/23/26	14:16:45	0.993900	36.125.488	12.025.490	108.413.559
03/23/26	14:16:46	0.993880	36.135.269	12.025.470	108.563.873
03/23/26	14:16:47	0.993860	36.141.979	12.029.140	108.744.240
03/23/26	14:16:48	0.993830	36.161.591	12.012.650	109.004.639
03/23/26	14:16:49	0.993820	36.175.640	11.997.620	109.164.948
03/23/26	14:16:50	0.993830	36.186.169	12.041.010	109.345.390
03/23/26	14:16:51	0.993760	36.196.602	12.028.340	109.595.886
03/23/26	14:16:52	0.993810	36.197.609	12.003.420	109.766.037
03/23/26	14:16:53	0.993840	36.190.609	12.049.280	109.946.518

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03/23/26	14:16:54	0.993820	36.189.171	12.031.930	110.227.257
03/23/26	14:16:55	0.993820	36.190.670	12.017.610	110.367.416
03/23/26	14:16:56	0.993850	36.194.328	12.015.060	110.547.607
03/23/26	14:16:57	0.993810	36.207.180	12.028.480	110.808.113
03/23/26	14:16:58	0.993810	36.215.382	12.020.680	110.968.468
03/23/26	14:16:59	0.993800	36.226.410	12.026.730	111.148.918
03/23/26	14:17:00	0.993780	36.236.549	12.021.360	111.429.443
03/23/26	14:17:01	0.993800	36.241.890	12.026.980	111.569.717
03/23/26	14:17:02	0.993770	36.242.809	12.019.040	111.750.038
03/23/26	14:17:03	0.993800	36.245.430	12.020.220	112.020.531
03/23/26	14:17:04	0.993790	36.249.828	12.027.590	112.170.883
03/23/26	14:17:05	0.993750	36.258.320	12.010.570	112.351.219
03/23/26	14:17:06	0.993720	36.269.569	12.036.620	112.591.743
03/23/26	14:17:07	0.993720	36.280.338	12.019.530	112.772.087
03/23/26	14:17:08	0.993720	36.288.239	12.017.780	112.952.431
03/23/26	14:17:09	0.993710	36.293.449	12.022.770	113.242.912
03/23/26	14:17:10	0.993730	36.288.910	12.021.200	113.373.138
03/23/26	14:17:11	0.993720	36.288.910	12.030.240	113.553.467
03/23/26	14:17:12	0.993730	36.293.781	12.026.810	113.813.972
03/23/26	14:17:13	0.993690	36.304.111	12.021.100	113.974.243
03/23/26	14:17:14	0.993700	36.307.041	12.018.840	114.154.381
03/23/26	14:17:15	0.993730	36.311.539	12.032.340	114.414.940
03/23/26	14:17:16	0.993710	36.321.289	12.024.500	114.575.340
03/23/26	14:17:17	0.993650	36.324.982	12.012.430	114.755.783
03/23/26	14:17:18	0.993690	36.324.711	12.033.550	115.006.218
03/23/26	14:17:19	0.993710	36.324.661	12.016.540	115.176.483
03/23/26	14:17:20	0.993710	36.325.642	12.015.630	115.356.873
03/23/26	14:17:21	0.993680	36.330.360	12.009.900	115.617.271
03/23/26	14:17:22	0.993710	36.331.161	12.032.490	115.777.580
03/23/26	14:17:23	0.993700	36.336.990	12.021.640	115.957.916
03/23/26	14:17:24	0.993720	36.348.190	12.052.390	116.218.719
03/23/26	14:17:25	0.993700	36.359.829	12.028.880	116.379.051
03/23/26	14:17:26	0.993720	36.365.711	11.995.770	116.559.181
03/23/26	14:17:27	0.993750	36.367.851	12.025.900	116.799.591
03/23/26	14:17:28	0.993750	36.375.141	12.045.080	116.980.141
03/23/26	14:17:29	0.993750	36.379.200	12.001.120	117.160.347
03/23/26	14:17:30	0.993750	36.388.481	12.025.580	117.440.811
03/23/26	14:17:31	0.993780	36.397.171	12.027.940	117.571.114
03/23/26	14:17:32	0.993760	36.399.769	12.020.680	117.761.467
03/23/26	14:17:33	0.993750	36.396.549	12.009.160	118.001.732
03/23/26	14:17:34	0.993740	36.407.471	12.020.230	118.182.037
03/23/26	14:17:35	0.993730	36.424.641	12.016.760	118.362.297

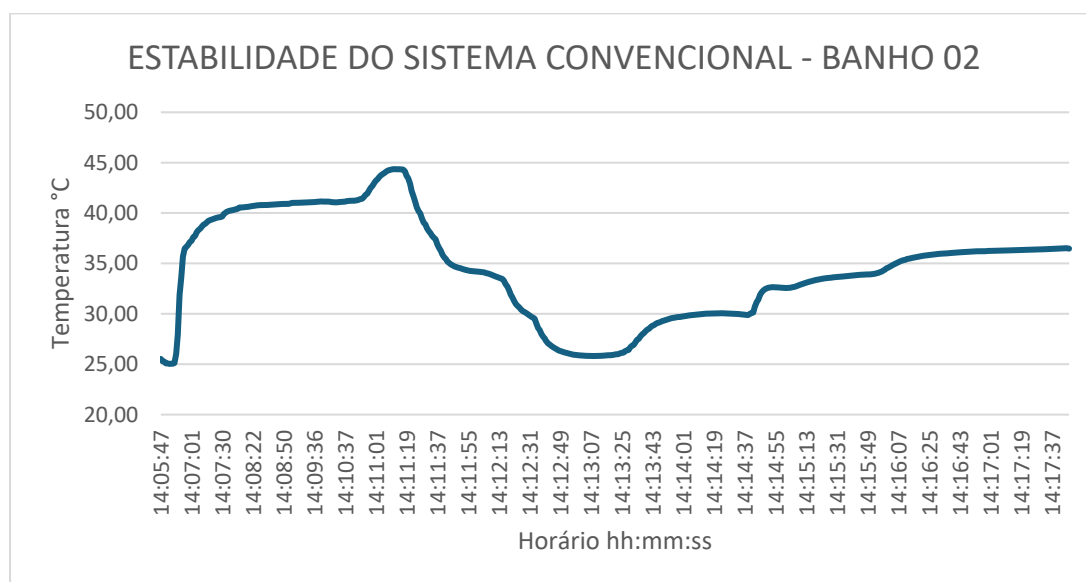
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03/23/26	14:17:36	0.993720	36.441.811	12.019.460	118.642.738
03/23/26	14:17:37	0.993670	36.452.641	12.018.130	118.782.951
03/23/26	14:17:38	0.993680	36.463.379	11.990.540	118.963.097
03/23/26	14:17:39	0.993700	36.465.679	12.029.970	119.223.442
03/23/26	14:17:40	0.993690	36.471.889	12.022.130	119.383.621
03/23/26	14:17:41	0.993680	36.472.439	12.037.390	119.564.087
03/23/26	14:17:42	0.993670	36.477.772	12.011.400	119.824.501
03/23/26	14:17:43	0.993690	36.487.190	11.892.840	119.994.072
03/23/26	14:17:44	0.993660	36.497.410	10.452.530	120.146.957
03/23/26	14:17:45	0.991850	36.506.981	10.406.230	120.381.203
03/23/26	14:17:46	0.984200	36.487.251	10.422.130	120.511.482
03/23/26	14:17:47	0.980080	36.468.060	0.000000	120.622.223

Set de temperatura no aquecedor para o mínimo.

Legenda:

- Abertura do registro de água quente (somente)
- Regulagem da temperatura para banho por sensação térmica
- Abertura torneira da cozinha
- Fechamento torneira da cozinha



RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

CONSUMO HÍDRICO SISTEMA CONVENCIONAL – BANHO 02

Date	Time	Density (g/cm ³)	Temperature (°C)	Volume Flow Rate (liters/minute)	Volume Total (liters)
03/23/26	13:08:28	0.995610	25.652.840	0.000000	0.000000
03/23/26	13:08:29	0.995500	25.654.169	8.692.760	0.066630
03/23/26	13:08:30	0.995720	25.652.281	8.794.490	0.258170
03/23/26	13:08:31	0.995690	25.651.730	8.899.070	0.384240
03/23/26	13:08:32	0.995230	25.635.019	8.888.200	0.517540
03/23/26	13:08:33	0.995620	25.594.641	8.882.060	0.702490
03/23/26	13:08:34	0.995740	25.570.210	8.883.600	0.828230
03/23/26	13:08:35	0.995710	25.537.889	8.900.910	0.954180
03/23/26	13:08:36	0.995710	25.498.569	8.924.990	1.147.410
03/23/26	13:08:37	0.995710	25.472.410	8.938.310	1.266.510
03/23/26	13:08:38	0.995700	25.456.341	8.939.000	1.408.050
03/23/26	13:08:39	0.995780	25.390.949	8.935.010	1.586.790
03/23/26	13:08:40	0.995820	25.359.770	8.940.550	1.728.230
03/23/26	13:08:41	0.995810	25.337.521	8.931.530	1.847.340
03/23/26	13:08:42	0.995870	25.281.919	8.933.330	2.040.890
03/23/26	13:08:43	0.995910	25.253.441	8.928.650	2.159.930
03/23/26	13:08:44	0.995930	25.233.740	8.930.500	2.301.290
03/23/26	13:08:45	0.995980	25.190.331	8.933.680	2.479.940
03/23/26	13:08:46	0.996010	25.166.639	8.931.850	2.606.480
03/23/26	13:08:47	0.996030	25.147.909	8.924.450	2.747.800
03/23/26	13:08:48	0.996080	25.111.300	8.917.490	2.948.550
03/23/26	13:08:49	0.996120	25.094.191	8.923.930	3.052.700
03/23/26	13:08:50	0.996150	25.081.341	8.922.050	3.186.560
03/23/26	13:08:51	0.996180	25.059.380	8.921.470	3.379.870
03/23/26	13:08:52	0.996180	25.049.391	8.926.430	3.506.240
03/23/26	13:08:53	0.996190	25.043.909	8.923.220	3.640.100
03/23/26	13:08:54	0.996200	25.036.770	8.913.620	3.818.510
03/23/26	13:08:55	0.996190	25.035.360	8.922.340	3.944.940
03/23/26	13:08:56	0.996180	25.037.371	8.924.060	4.078.750
03/23/26	13:08:57	0.996180	25.030.460	8.928.390	4.272.030
03/23/26	13:08:58	0.996200	25.020.910	8.918.860	4.390.940
03/23/26	13:08:59	0.996220	25.011.419	8.922.500	4.532.180
03/23/26	13:09:00	0.996230	24.998.770	8.919.770	4.703.210
03/23/26	13:09:01	0.996230	24.992.580	8.913.700	4.844.420
03/23/26	13:09:02	0.996240	24.986.500	8.918.710	4.970.780
03/23/26	13:09:03	0.996250	24.978.420	8.917.440	5.164.060
03/23/26	13:09:04	0.996260	24.974.560	8.914.780	5.282.950
03/23/26	13:09:05	0.996270	24.974.010	8.923.770	5.424.080
03/23/26	13:09:06	0.996280	24.967.279	8.918.630	5.602.510



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03/23/26	13:09:07	0.996290	24.962.360	8.893.710	5.736.040
03/23/26	13:09:08	0.996300	24.954.679	8.926.830	5.869.660
03/23/26	13:09:09	0.996310	24.950.859	8.931.360	6.055.610
03/23/26	13:09:10	0.996310	24.949.430	8.918.250	6.174.610
03/23/26	13:09:11	0.996310	24.962.280	8.916.330	6.308.190
03/23/26	13:09:12	0.996300	24.968.861	8.917.250	6.508.690
03/23/26	13:09:13	0.996300	24.975.090	8.918.010	6.620.250
03/23/26	13:09:14	0.996300	24.976.601	8.913.130	6.761.420
03/23/26	13:09:15	0.996310	24.976.440	8.919.080	6.939.710
03/23/26	13:09:16	0.996380	24.971.420	8.923.410	7.081.060
03/23/26	13:09:17	0.996630	24.968.620	8.913.200	7.199.990
03/23/26	13:09:18	0.997640	24.979.691	8.903.970	7.392.830
03/23/26	13:09:19	0.999600	24.999.069	8.934.210	7.511.680
03/23/26	13:09:20	1.002.490	25.015.450	8.906.840	7.652.970
03/23/26	13:09:21	1.005.910	25.363.110	8.864.820	7.837.750
03/23/26	13:09:22	1.007.930	25.772.120	8.867.490	7.955.810
03/23/26	13:09:23	1.010.070	26.037.580	8.859.920	8.096.160
03/23/26	13:09:24	1.010.940	26.652.740	8.830.880	8.280.340
03/23/26	13:09:25	1.009.660	28.197.540	8.838.180	8.398.200
03/23/26	13:09:26	1.009.300	28.929.310	8.851.110	8.530.940
03/23/26	13:09:27	1.008.640	29.811.560	8.858.960	8.715.520
03/23/26	13:09:28	1.006.410	31.468.220	8.859.070	8.848.410
03/23/26	13:09:29	1.005.540	32.262.989	8.883.930	8.981.620
03/23/26	13:09:30	1.004.680	33.064.110	8.871.920	9.181.040
03/23/26	13:09:31	1.003.250	34.089.249	8.895.730	9.284.680
03/23/26	13:09:32	1.002.420	34.956.169	8.901.090	9.418.220
03/23/26	13:09:33	1.001.040	35.803.341	8.889.270	9.625.630
03/23/26	13:09:34	1.000.450	36.256.180	8.902.100	9.729.460
03/23/26	13:09:35	0.999820	36.742.432	8.916.940	9.870.550
03/23/26	13:09:36	0.999090	37.271.568	8.912.910	10.041.420
03/23/26	13:09:37	0.998370	37.770.329	8.900.340	10.189.910
03/23/26	13:09:38	0.997930	38.105.789	8.919.010	10.308.790
03/23/26	13:09:39	0.997460	38.473.499	8.940.700	10.502.440
03/23/26	13:09:40	0.997000	38.820.202	8.929.770	10.621.470
03/23/26	13:09:41	0.996700	39.053.780	8.932.650	10.762.780
03/23/26	13:09:42	0.996380	39.309.891	8.945.200	10.941.640
03/23/26	13:09:43	0.996040	39.565.651	8.935.250	11.075.790
03/23/26	13:09:44	0.995800	39.744.301	8.934.240	11.209.900
03/23/26	13:09:45	0.995660	39.865.101	8.941.470	11.396.170
03/23/26	13:09:46	0.995240	40.138.130	8.945.710	11.522.880
03/23/26	13:09:47	0.995080	40.272.228	8.937.480	11.649.470
03/23/26	13:09:48	0.994990	40.361.809	8.949.030	11.835.800

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03/23/26	13:09:49	0.994780	40.521.530	8.958.930	11.962.700
03/23/26	13:09:50	0.994640	40.653.629	8.952.830	12.104.520
03/23/26	13:09:51	0.994570	40.711.369	8.910.390	12.283.130
03/23/26	13:09:52	0.994400	40.837.521	8.942.050	12.409.780
03/23/26	13:09:53	0.994280	40.932.678	8.962.420	12.544.200
03/23/26	13:09:54	0.994190	41.016.991	8.938.070	12.760.430
03/23/26	13:09:55	0.994030	41.126.511	8.922.380	12.857.010
03/23/26	13:09:56	0.993960	41.202.572	8.786.210	12.996.850
03/23/26	13:09:57	0.993850	41.278.358	0.000000	13.040.560

Set de temperatura no aquecedor em mínimo.

Consumo hídrico até a temperatura de 38°C : 10,3 litros.

Consumo hídrico até a temperatura de 41°C : 12,7 litros.

DADOS DE ESTABILIDADE TÉRMICA DO SISTEMA REVOLUSHOWER - BANHO 02 (LORENZETTI)

Date	Time	Density (g/cm³)	Temperature (°C)	Volume Flow Rate (liters/minute)	Volume Total (liters)
03/24/26	13:43:06	0.995670	25.507.210	0.000000	0.000000
03/24/26	13:43:07	0.995680	25.506.029	0.000000	0.000000
03/24/26	13:43:08	0.995660	25.515.120	0.000000	0.000000
03/24/26	13:43:09	0.995650	25.521.749	0.000000	0.000000
03/24/26	13:43:10	0.995660	25.518.209	0.000000	0.000000
03/24/26	13:43:11	0.995630	25.534.349	0.000000	0.000000
03/24/26	13:43:12	0.995640	25.533.581	0.000000	0.000000
03/24/26	13:43:13	0.995680	25.513.121	0.000000	0.000000
03/24/26	13:43:14	0.995670	25.518.690	0.000000	0.000000
03/24/26	13:43:16	0.995670	25.522.751	0.000000	0.000000
03/24/26	13:43:17	0.995590	25.566.410	0.000000	0.000000
03/24/26	13:43:18	0.995610	25.559.811	0.000000	0.000000
03/24/26	13:43:19	0.995630	25.548.410	0.000000	0.000000
03/24/26	13:43:20	0.995630	25.548.040	0.000000	0.000000
03/24/26	13:43:21	0.995630	25.549.061	0.000000	0.000000
03/24/26	13:43:22	0.995610	25.562.031	0.000000	0.000000
03/24/26	13:43:23	0.995620	25.560.551	0.000000	0.000000
03/24/26	13:43:24	0.995610	25.564.020	0.000000	0.000000
03/24/26	13:43:25	0.995620	25.560.881	0.000000	0.000000
03/24/26	13:43:26	0.995580	25.586.849	0.000000	0.000000
03/24/26	13:43:27	0.995560	25.599.751	0.000000	0.000000
03/24/26	13:43:28	0.995620	25.568.260	0.000000	0.000000



RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

03/24/26	13:43:29	0.995600	25.579.950	0.000000	0.000000
03/24/26	13:43:30	0.995620	25.569.099	0.000000	0.000000
03/24/26	13:43:31	0.995580	25.589.960	0.000000	0.000000
03/24/26	13:43:32	0.995590	25.588.470	0.000000	0.000000
03/24/26	13:43:33	0.995600	25.585.930	0.000000	0.000000
03/24/26	13:43:34	0.995610	25.580.429	0.000000	0.000000
03/24/26	13:43:35	0.995590	25.593.050	0.000000	0.000000
03/24/26	13:43:36	0.995570	25.603.319	0.000000	0.000000
03/24/26	13:43:37	0.995530	25.630.470	0.000000	0.000000
03/24/26	13:43:38	0.995530	25.629.539	0.000000	0.000000
03/24/26	13:43:39	0.995560	25.616.461	0.000000	0.000000
03/24/26	13:43:40	0.995580	25.603.090	0.000000	0.000000
03/24/26	13:43:41	0.995570	25.608.841	0.000000	0.000000
03/24/26	13:43:42	0.995550	25.623.550	0.000000	0.000000
03/24/26	13:43:43	0.995560	25.621.580	0.000000	0.000000
03/24/26	13:43:44	0.995560	25.621.580	0.000000	0.000000
03/24/26	13:43:45	0.995550	25.627.411	0.000000	0.000000
03/24/26	13:43:46	0.995550	25.630.951	0.000000	0.000000
03/24/26	13:43:47	0.995550	25.630.951	0.000000	0.000000
03/24/26	13:43:48	0.995540	25.635.960	0.000000	0.000000
03/24/26	13:43:49	0.995580	25.613.140	0.000000	0.000000
03/24/26	13:43:50	0.995590	25.613.140	0.000000	0.000000
03/24/26	13:43:51	0.995570	25.626.070	0.000000	0.000000
03/24/26	13:43:52	0.995520	25.654.011	0.000000	0.000000
03/24/26	13:43:53	0.995520	25.654.011	0.000000	0.000000
03/24/26	13:43:54	0.995500	25.666.599	0.000000	0.000000
03/24/26	13:43:55	0.995530	25.652.430	0.000000	0.000000
03/24/26	13:43:56	0.995530	25.652.430	0.000000	0.000000
03/24/26	13:43:57	0.995500	25.671.150	0.000000	0.000000
03/24/26	13:43:58	0.995490	25.679.411	0.000000	0.000000
03/24/26	13:43:59	0.995490	25.679.399	0.000000	0.000000
03/24/26	13:44:00	0.995490	25.684.521	0.000000	0.000000
03/24/26	13:44:01	0.995480	25.696.720	0.000000	0.000000
03/24/26	13:44:02	0.995470	25.696.739	0.000000	0.000000
03/24/26	13:44:03	0.995460	25.702.021	0.000000	0.000000
03/24/26	13:44:04	0.995470	25.681.561	0.000000	0.000000
03/24/26	13:44:05	0.995500	25.681.561	0.000000	0.000000
03/24/26	13:44:06	0.995520	25.669.760	0.000000	0.000000
03/24/26	13:44:07	0.995550	25.654.020	0.000000	0.000000
03/24/26	13:44:08	0.995520	25.674.480	0.000000	0.000000
03/24/26	13:44:09	0.995500	25.687.719	0.000000	0.000000
03/24/26	13:44:10	0.995480	25.699.520	0.000000	0.000000



RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

03/24/26	13:44:11	0.995480	25.698.730	0.000000	0.000000
03/24/26	13:44:12	0.995470	25.707.211	0.000000	0.000000
03/24/26	13:44:13	0.995510	25.684.389	0.000000	0.000000
03/24/26	13:44:14	0.995530	25.676.140	0.000000	0.000000
03/24/26	13:44:15	0.995500	25.692.650	0.000000	0.000000
03/24/26	13:44:16	0.995480	25.706.820	0.000000	0.000000
03/24/26	13:44:17	0.995510	25.693.430	0.000000	0.000000
03/24/26	13:44:18	0.995500	25.696.711	0.000000	0.000000
03/24/26	13:44:19	0.995520	25.686.090	0.000000	0.000000
03/24/26	13:44:20	0.995490	25.703.011	0.000000	0.000000
03/24/26	13:44:21	0.995490	25.709.320	0.000000	0.000000
03/24/26	13:44:22	0.995500	25.705.641	0.000000	0.000000
03/24/26	13:44:23	0.995500	25.702.890	0.000000	0.000000
03/24/26	13:44:24	0.995510	25.696.951	0.000000	0.000000
03/24/26	13:44:25	0.995510	25.730.850	0.000000	0.000000
03/24/26	13:44:26	0.995450	25.735.180	0.000000	0.000000
03/24/26	13:44:27	0.995440	25.745.939	0.000000	0.000000
03/24/26	13:44:28	0.995420	25.755.951	0.000000	0.000000
03/24/26	13:44:29	0.995470	25.728.399	0.000000	0.000000
03/24/26	13:44:30	0.995470	25.729.509	0.000000	0.000000
03/24/26	13:44:31	0.995480	25.723.181	0.000000	0.000000
03/24/26	13:44:32	0.995500	25.715.309	0.000000	0.000000
03/24/26	13:44:33	0.995470	25.736.099	0.000000	0.000000
03/24/26	13:44:34	0.995470	25.738.140	0.000000	0.000000
03/24/26	13:44:35	0.995450	25.744.829	0.000000	0.000000
03/24/26	13:44:36	0.995460	25.742.790	0.000000	0.000000
03/24/26	13:44:37	0.995460	25.746.670	0.000000	0.000000
03/24/26	13:44:38	0.995450	25.748.640	0.000000	0.000000
03/24/26	13:44:39	0.995470	25.738.060	0.000000	0.000000
03/24/26	13:44:40	0.995490	25.729.691	0.000000	0.000000
03/24/26	13:44:41	0.995460	25.749.760	0.000000	0.000000
03/24/26	13:44:43	0.995410	25.778.900	0.000000	0.000000
03/24/26	13:44:44	0.995370	25.805.559	0.000000	0.000000
03/24/26	13:44:45	0.995370	25.805.740	0.000000	0.000000
03/24/26	13:44:46	0.995380	25.800.341	0.000000	0.000000
03/24/26	13:44:47	0.995430	25.772.400	0.000000	0.000000
03/24/26	13:44:48	0.995420	25.780.199	0.000000	0.000000
03/24/26	13:44:49	0.995400	25.792.740	0.000000	0.000000
03/24/26	13:44:50	0.995430	25.777.790	0.000000	0.000000
03/24/26	13:44:51	0.995430	25.779.270	0.000000	0.000000
03/24/26	13:44:52	0.995450	25.767.300	0.000000	0.000000
03/24/26	13:44:53	0.995420	25.788.160	0.000000	0.000000



RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

03/24/26	13:44:55	0.995410	25.796.690	0.000000	0.000000
03/24/26	13:44:56	0.995440	25.791.651	0.000000	0.000000
03/24/26	13:44:57	0.995420	25.791.660	0.000000	0.000000
03/24/26	13:44:58	0.995400	25.804.260	0.000000	0.000000
03/24/26	13:44:59	0.995380	25.814.100	0.000000	0.000000
03/24/26	13:45:00	0.995410	25.798.361	0.000000	0.000000
03/24/26	13:45:01	0.995410	25.803.881	0.000000	0.000000
03/24/26	13:45:02	0.995420	25.797.590	0.000000	0.000000
03/24/26	13:45:03	0.995410	25.803.890	0.000000	0.000000
03/24/26	13:45:04	0.995430	25.794.861	0.000000	0.000000
03/24/26	13:45:05	0.995210	25.798.000	0.000000	0.000000
03/24/26	13:45:06	0.995720	25.812.559	7.889.770	0.222770
03/24/26	13:45:07	0.997150	25.802.219	7.966.720	0.322160
03/24/26	13:45:08	1.009.380	25.788.839	7.966.720	0.322160
03/24/26	13:45:09	1.016.940	25.780.960	7.759.560	0.609000
03/24/26	13:45:10	1.013.340	28.688.450	7.821.060	0.706700
03/24/26	13:45:11	1.014.200	28.673.090	7.821.060	0.706700
03/24/26	13:45:12	1.015.110	28.672.310	7.767.440	1.005.570
03/24/26	13:45:13	1.005.390	34.659.740	7.842.140	1.096.970
03/24/26	13:45:14	1.005.810	34.649.078	7.842.140	1.096.970
03/24/26	13:45:15	1.006.390	34.634.880	7.787.120	1.389.750
03/24/26	13:45:16	1.001.050	38.000.252	7.811.290	1.493.940
03/24/26	13:45:17	1.001.300	38.000.252	7.811.290	1.493.940
03/24/26	13:45:18	1.001.430	38.012.100	7.767.270	1.779.800
03/24/26	13:45:19	0.998360	39.962.231	7.821.960	1.877.460
03/24/26	13:45:20	0.998450	40.048.981	7.821.960	1.877.460
03/24/26	13:45:21	0.998640	40.062.801	7.764.610	2.169.400
03/24/26	13:45:22	0.996660	41.322.029	7.777.790	2.273.070
03/24/26	13:45:23	0.996690	41.390.339	7.777.790	2.273.070
03/24/26	13:45:24	0.996860	41.374.142	7.725.110	2.551.010
03/24/26	13:45:25	0.995430	42.268.379	7.742.150	2.654.220
03/24/26	13:45:26	0.995470	42.301.682	7.742.150	2.654.220
03/24/26	13:45:27	0.995540	42.302.471	7.723.920	2.944.010
03/24/26	13:45:28	0.994500	42.935.371	7.701.700	3.040.390
03/24/26	13:45:29	0.994490	42.975.090	7.701.700	3.040.390
03/24/26	13:45:30	0.994590	42.968.361	7.685.940	3.322.500
03/24/26	13:45:31	0.993950	43.412.689	7.661.060	3.424.870
03/24/26	13:45:32	0.994000	43.426.682	7.661.060	3.424.870
03/24/26	13:45:33	0.994110	43.412.041	7.628.300	3.699.170
03/24/26	13:45:34	0.993550	43.783.661	7.642.590	3.813.740
03/24/26	13:45:35	0.993600	43.796.131	7.642.590	3.813.740
03/24/26	13:45:36	0.993630	43.833.328	7.602.300	4.092.990

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03/24/26	13:45:37	0.993170	44.135.189	7.613.850	4.188.000
03/24/26	13:45:38	0.993150	44.174.980	7.613.850	4.188.000
03/24/26	13:45:39	0.993230	44.161.530	7.570.250	4.465.970
03/24/26	13:45:40	0.992860	44.421.520	7.567.020	4.566.800
03/24/26	13:45:41	0.992890	44.448.769	7.567.020	4.547.880
03/24/26	13:45:42	0.992950	44.459.850	7.531.910	4.831.000
03/24/26	13:45:43	0.992610	44.697.411	7.522.630	4.937.600
03/24/26	13:45:44	0.992630	44.708.611	7.522.630	4.937.600
03/24/26	13:45:45	0.992660	44.709.400	7.514.320	5.219.320
03/24/26	13:45:46	0.992300	44.926.571	7.485.840	5.325.440
03/24/26	13:45:47	0.992270	44.948.460	7.485.840	5.325.440
03/24/26	13:45:48	0.992350	44.931.450	7.456.340	5.587.050
03/24/26	13:45:49	0.992140	45.085.541	7.486.310	5.698.960
03/24/26	13:45:50	0.992160	45.110.748	7.486.310	5.698.960
03/24/26	13:45:52	0.992200	45.127.369	7.428.290	5.984.230
03/24/26	13:45:53	0.991980	45.295.330	7.440.050	6.046.160
03/24/26	13:45:54	0.991910	45.277.119	7.464.650	6.343.700
03/24/26	13:45:55	0.991360	45.277.111	7.444.610	6.442.950
03/24/26	13:45:56	0.990000	45.429.661	7.444.610	6.430.540
03/24/26	13:45:57	0.987760	45.445.099	7.515.980	6.711.110
03/24/26	13:45:58	0.985710	45.445.110	7.536.580	6.817.710
03/24/26	13:45:59	0.986160	44.597.549	7.536.580	6.817.710
03/24/26	13:46:00	0.986230	44.573.410	7.522.530	7.093.910
03/24/26	13:46:01	0.986990	44.573.410	7.530.800	7.181.740
03/24/26	13:46:02	0.991070	42.822.811	7.530.800	7.181.740
03/24/26	13:46:04	0.992470	42.852.470	7.476.670	7.487.660
03/24/26	13:46:05	0.993910	42.841.160	7.482.470	7.574.970
03/24/26	13:46:06	0.994530	42.832.451	7.458.940	7.848.920
03/24/26	13:46:07	0.994870	42.832.451	7.471.820	7.942.240
03/24/26	13:46:08	0.993540	43.755.001	7.471.820	7.942.240
03/24/26	13:46:09	0.993810	43.746.689	7.477.960	8.203.490
03/24/26	13:46:10	0.994000	43.732.841	7.470.600	8.309.160
03/24/26	13:46:11	0.992910	44.448.921	7.470.600	8.309.160
03/24/26	13:46:12	0.992960	44.491.249	7.455.860	8.582.380
03/24/26	13:46:13	0.993040	44.501.141	7.427.410	8.681.700
03/24/26	13:46:14	0.992250	45.000.080	7.427.410	8.681.700
03/24/26	13:46:15	0.992360	44.984.249	7.434.580	8.947.960
03/24/26	13:46:16	0.992420	44.983.459	7.418.730	9.053.070
03/24/26	13:46:17	0.991920	45.313.011	7.418.730	9.053.070
03/24/26	13:46:18	0.991910	45.349.850	7.403.230	9.318.830
03/24/26	13:46:19	0.991930	45.363.312	7.384.610	9.423.590
03/24/26	13:46:20	0.991520	45.616.699	7.384.610	9.423.590

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03/24/26	13:46:21	0.991520	45.634.418	7.379.950	9.706.920
03/24/26	13:46:22	0.991530	45.633.240	7.377.450	9.799.190
03/24/26	13:46:23	0.991260	45.796.001	7.377.450	9.799.190
03/24/26	13:46:24	0.991250	45.802.040	7.380.670	10.056.780
03/24/26	13:46:25	0.991270	45.806.789	9.159.210	10.173.790
03/24/26	13:46:26	0.991160	45.930.229	9.159.210	10.173.790
03/24/26	13:46:27	0.991040	45.926.250	9.367.540	10.516.480
03/24/26	13:46:28	0.988780	45.924.671	9.365.890	10.641.410
03/24/26	13:46:29	0.988210	45.820.530	9.365.890	10.641.410
03/24/26	13:46:30	0.987860	45.790.691	9.216.260	10.974.570
03/24/26	13:46:31	0.987450	45.774.059	9.178.120	11.104.700
03/24/26	13:46:32	0.988810	44.811.829	9.178.120	11.104.700
03/24/26	13:46:33	0.988600	44.729.630	8.594.810	11.438.180
03/24/26	13:46:34	0.988080	44.716.961	8.574.820	11.538.190
03/24/26	13:46:35	0.987730	43.952.850	8.574.820	11.538.190
03/24/26	13:46:37	0.986830	43.870.789	8.513.210	11.873.210
03/24/26	13:46:38	0.988010	42.592.258	8.514.490	11.944.170
03/24/26	13:46:39	0.987370	42.467.529	8.510.760	12.284.970
03/24/26	13:46:40	0.986730	42.471.882	8.507.510	12.391.160
03/24/26	13:46:41	0.987870	41.256.691	8.507.510	12.391.160
03/24/26	13:46:42	0.986620	41.134.682	8.471.770	12.716.430
03/24/26	13:46:43	0.985370	41.150.490	8.515.520	12.815.660
03/24/26	13:46:44	0.986910	39.636.150	8.515.520	12.815.660
03/24/26	13:46:45	0.986330	39.462.269	8.608.790	13.116.510
03/24/26	13:46:46	0.985900	39.477.280	8.577.970	13.245.180
03/24/26	13:46:47	0.985450	39.477.280	8.577.970	13.245.180
03/24/26	13:46:48	0.988000	37.663.960	8.589.070	13.560.660
03/24/26	13:46:49	0.987530	37.693.981	8.574.270	13.675.200
03/24/26	13:46:50	0.987380	37.693.981	8.574.270	13.675.200
03/24/26	13:46:51	0.989390	36.337.681	8.630.980	13.976.250
03/24/26	13:46:52	0.989160	36.314.781	8.616.360	14.105.570
03/24/26	13:46:53	0.988970	36.314.781	8.616.360	14.105.570
03/24/26	13:46:54	0.990570	35.345.760	8.639.900	14.421.490
03/24/26	13:46:55	0.990580	35.338.661	8.645.170	14.543.580
03/24/26	13:46:56	0.990490	35.338.661	8.645.170	14.543.580
03/24/26	13:46:57	0.991490	34.692.490	8.716.840	14.862.190
03/24/26	13:46:58	0.991480	34.691.700	8.704.730	14.978.080
03/24/26	13:46:59	0.991540	34.691.700	8.704.730	14.978.080
03/24/26	13:47:00	0.992230	34.287.319	8.682.080	15.282.190
03/24/26	13:47:01	0.992200	34.279.831	8.647.950	15.404.910
03/24/26	13:47:02	0.992170	34.279.831	8.647.950	15.404.910
03/24/26	13:47:03	0.993090	34.042.259	8.479.840	15.726.120

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03/24/26	13:47:04	0.993200	34.050.941	8.461.790	15.838.780
03/24/26	13:47:05	0.993350	34.050.941	8.461.790	15.838.780
03/24/26	13:47:06	0.994310	34.033.371	8.370.470	16.133.930
03/24/26	13:47:07	0.994520	34.017.200	8.279.700	16.251.369
03/24/26	13:47:08	0.994600	34.021.931	8.279.700	16.251.369
03/24/26	13:47:09	0.994400	34.382.740	8.264.700	16.562.040
03/24/26	13:47:10	0.994850	34.375.629	7.962.270	16.670.460
03/24/26	13:47:11	0.994950	34.375.641	7.962.270	16.670.460
03/24/26	13:47:13	0.994320	34.800.720	7.897.110	16.967.501
03/24/26	13:47:14	0.995510	34.797.161	7.884.630	17.033.489
03/24/26	13:47:15	0.994920	35.261.391	7.740.770	17.354.870
03/24/26	13:47:16	0.995000	35.244.419	7.826.980	17.451.780
03/24/26	13:47:17	0.995040	35.249.950	7.826.980	17.451.780
03/24/26	13:47:18	0.994530	35.752.331	7.868.270	17.740.120
03/24/26	13:47:19	0.994700	35.781.582	7.876.900	17.851.490
03/24/26	13:47:20	0.994480	35.796.570	7.876.900	17.851.490
03/24/26	13:47:21	0.993740	36.205.410	7.883.590	18.140.030
03/24/26	13:47:22	0.993750	36.203.041	7.859.920	18.238.319
03/24/26	13:47:23	0.993750	36.205.021	7.859.920	18.238.319
03/24/26	13:47:24	0.993480	36.354.031	7.883.650	18.546.829
03/24/26	13:47:25	0.993470	36.359.951	7.874.380	18.638.620
03/24/26	13:47:26	0.993450	36.365.089	7.874.380	18.638.620
03/24/26	13:47:27	0.993290	36.450.871	7.883.850	18.927.679
03/24/26	13:47:28	0.993280	36.458.542	7.886.390	19.026.171
03/24/26	13:47:29	0.993300	36.444.721	7.886.390	19.026.171
03/24/26	13:47:30	0.993240	36.473.808	7.895.590	19.328.119
03/24/26	13:47:31	0.993210	36.481.270	7.869.850	19.420.010
03/24/26	13:47:32	0.993200	36.483.250	7.869.850	19.420.010
03/24/26	13:47:33	0.993190	36.489.590	7.910.290	19.708.851
03/24/26	13:47:34	0.993190	36.490.860	7.877.830	19.813.999
03/24/26	13:47:35	0.993180	36.499.538	7.877.830	19.813.999
03/24/26	13:47:36	0.993150	36.508.308	7.898.850	20.096.270
03/24/26	13:47:37	0.993160	36.503.201	7.909.370	20.208.031
03/24/26	13:47:38	0.993160	36.496.490	7.909.370	20.208.031
03/24/26	13:47:39	0.993150	36.495.930	7.873.190	20.510.170
03/24/26	13:47:40	0.993160	36.486.778	7.887.850	20.595.631
03/24/26	13:47:41	0.993120	36.500.992	7.887.850	20.595.631
03/24/26	13:47:42	0.993120	36.492.599	7.891.160	20.891.359
03/24/26	13:47:43	0.993120	36.497.810	7.884.620	21.009.701
03/24/26	13:47:44	0.993130	36.482.422	7.884.620	21.009.701
03/24/26	13:47:45	0.993100	36.475.330	8.994.480	21.287.571
03/24/26	13:47:46	0.993160	36.474.121	8.627.830	21.409.941

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03/24/26	13:47:47	0.992470	36.472.149	8.627.830	21.409.941
03/24/26	13:47:48	0.995450	36.425.152	8.677.160	21.721.210
03/24/26	13:47:49	0.996320	36.442.970	8.643.800	21.843.740
03/24/26	13:47:50	0.996530	36.454.411	8.643.800	21.843.740
03/24/26	13:47:51	0.995170	37.345.112	8.650.170	22.175.261
03/24/26	13:47:52	0.995120	37.423.248	8.681.580	22.276.140
03/24/26	13:47:53	0.995200	37.406.658	8.681.580	22.276.140
03/24/26	13:47:54	0.994130	38.047.829	8.665.570	22.586.189
03/24/26	13:47:55	0.994080	38.097.080	8.677.320	22.708.960
03/24/26	13:47:56	0.994060	38.107.342	8.677.320	22.708.960
03/24/26	13:47:57	0.994070	38.107.342	8.657.800	23.004.881
03/24/26	13:47:58	0.993420	38.470.482	8.655.340	23.127.701
03/24/26	13:47:59	0.993400	38.468.109	8.655.340	23.127.701
03/24/26	13:48:00	0.993370	38.468.109	8.697.720	23.452.909
03/24/26	13:48:01	0.993120	38.622.551	8.695.920	23.568.420
03/24/26	13:48:02	0.993300	38.614.250	8.695.920	23.568.420
03/24/26	13:48:03	0.993540	38.613.071	8.679.770	23.879.070
03/24/26	13:48:04	0.993480	38.727.242	8.647.050	23.994.431
03/24/26	13:48:05	0.993570	38.724.480	8.647.050	23.994.431
03/24/26	13:48:06	0.993670	38.720.921	8.672.500	24.311.991
03/24/26	13:48:07	0.993300	38.955.830	8.642.320	24.434.731
03/24/26	13:48:08	0.993280	38.991.390	8.642.320	24.434.731
03/24/26	13:48:09	0.993300	38.997.318	8.637.320	24.752.069
03/24/26	13:48:10	0.993100	39.192.879	8.664.470	24.874.430
03/24/26	13:48:11	0.993310	39.180.241	8.664.470	24.874.430
03/24/26	13:48:12	0.993600	39.184.189	8.628.650	25.191.010
03/24/26	13:48:13	0.993360	39.370.480	8.624.200	25.291.651
03/24/26	13:48:14	0.993200	39.359.810	8.624.200	25.291.651
03/24/26	13:48:15	0.992510	39.349.140	8.683.200	25.616.510
03/24/26	13:48:16	0.991180	39.536.560	7.450.360	25.714.109
03/24/26	13:48:17	0.990390	39.534.981	7.450.360	25.714.109
03/24/26	13:48:18	0.989320	39.505.348	7.367.510	25.978.559
03/24/26	13:48:19	0.987430	38.878.738	7.362.570	26.076.691
03/24/26	13:48:20	0.986190	38.878.738	7.362.570	26.076.691
03/24/26	13:48:21	0.985440	38.924.171	7.376.350	26.347.240
03/24/26	13:48:22	0.988150	37.162.472	7.366.270	26.451.481
03/24/26	13:48:23	0.988150	37.066.200	7.366.270	26.451.481
03/24/26	13:48:24	0.988070	37.056.339	7.339.420	26.720.310
03/24/26	13:48:25	0.990470	35.648.041	7.655.130	26.832.451
03/24/26	13:48:26	0.990580	35.594.349	7.711.380	26.921.930
03/24/26	13:48:27	0.990620	35.585.659	7.794.180	27.090.050
03/24/26	13:48:28	0.992570	34.899.681	7.940.250	27.208.670

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03/24/26	13:48:29	0.993350	34.864.128	7.933.380	27.314.541
03/24/26	13:48:30	0.994040	34.848.740	7.912.150	27.499.491
03/24/26	13:48:31	0.994690	34.895.519	7.983.540	27.605.520
03/24/26	13:48:32	0.995000	34.916.679	7.991.180	27.711.941
03/24/26	13:48:33	0.995300	34.960.869	8.033.650	27.898.649
03/24/26	13:48:34	0.994710	35.534.241	8.037.690	27.998.930
03/24/26	13:48:35	0.994990	35.553.539	8.016.630	28.112.579
03/24/26	13:48:36	0.995440	35.533.421	8.013.290	28.299.749
03/24/26	13:48:37	0.994700	36.091.999	7.792.720	28.397.699
03/24/26	13:48:38	0.994800	36.155.750	7.795.490	28.508.020
03/24/26	13:48:39	0.994940	36.171.539	7.718.590	28.688.900
03/24/26	13:48:40	0.993620	36.663.151	7.633.160	28.797.300
03/24/26	13:48:41	0.993490	36.688.110	7.573.520	28.892.521
03/24/26	13:48:42	0.993300	36.671.131	7.439.070	29.079.889
03/24/26	13:48:43	0.992790	36.781.929	7.431.660	29.166.590
03/24/26	13:48:44	0.992440	36.791.470	7.446.560	29.265.930
03/24/26	13:48:45	0.991850	36.808.830	7.527.370	29.446.680
03/24/26	13:48:46	0.991960	36.588.551	7.510.230	29.534.300
03/24/26	13:48:47	0.991980	36.553.711	7.528.750	29.640.659
03/24/26	13:48:48	0.992150	36.533.981	7.493.070	29.809.540
03/24/26	13:48:49	0.992870	36.204.250	7.518.350	29.909.580
03/24/26	13:48:50	0.993000	36.195.599	7.499.230	30.015.921
03/24/26	13:48:51	0.993070	36.197.571	7.511.310	30.197.250
03/24/26	13:48:52	0.993150	36.177.429	7.520.630	30.291.010
03/24/26	13:48:53	0.993170	36.176.929	7.502.190	30.390.949
03/24/26	13:48:54	0.993170	36.177.719	7.482.030	30.572.269
03/24/26	13:48:55	0.993110	36.195.431	7.472.920	30.666.019
03/24/26	13:48:56	0.993110	36.187.210	7.524.120	30.766.010
03/24/26	13:48:57	0.993070	36.185.242	7.509.040	30.940.809
03/24/26	13:48:58	0.993070	36.175.171	7.515.340	31.047.041
03/24/26	13:48:59	0.993040	36.175.129	7.509.730	31.140.699
03/24/26	13:49:00	0.993000	36.170.391	7.522.420	31.328.159
03/24/26	13:49:01	0.992990	36.170.391	7.474.400	31.415.560
03/24/26	13:49:02	0.993020	36.132.938	7.484.080	31.515.551
03/24/26	13:49:03	0.993020	36.121.101	7.489.230	31.690.651
03/24/26	13:49:04	0.993020	36.121.101	7.482.600	31.790.461
03/24/26	13:49:05	0.993130	36.048.531	7.485.120	31.890.369
03/24/26	13:49:06	0.993110	36.045.769	7.518.620	32.077.820
03/24/26	13:49:07	0.993070	36.045.769	7.485.430	32.171.421
03/24/26	13:49:08	0.993140	36.004.700	7.470.940	32.265.011
03/24/26	13:49:09	0.993090	36.025.620	7.499.930	32.439.930
03/24/26	13:49:10	0.993050	36.025.631	7.501.060	32.546.089

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03/24/26	13:49:11	0.993060	36.005.501	7.475.570	32.639.881
03/24/26	13:49:12	0.992990	36.027.210	7.492.120	32.814.869
03/24/26	13:49:13	0.993000	36.019.711	7.504.910	32.921.211
03/24/26	13:49:14	0.993070	35.982.090	7.509.380	33.014.999
03/24/26	13:49:15	0.993140	35.946.560	7.553.280	33.203.129
03/24/26	13:49:16	0.993150	35.946.560	7.550.460	33.291.370
03/24/26	13:49:17	0.993220	35.896.030	7.535.340	33.391.991
03/24/26	13:49:18	0.993340	35.904.411	7.571.260	33.562.111
03/24/26	13:49:19	0.993390	35.904.411	7.558.600	33.669.209
03/24/26	13:49:20	0.993370	35.923.431	7.583.910	33.770.161
03/24/26	13:49:21	0.993400	35.928.070	7.583.650	33.952.702
03/24/26	13:49:22	0.993440	35.945.438	7.560.630	34.053.410
03/24/26	13:49:23	0.993420	35.990.749	7.522.340	34.147.652
03/24/26	13:49:24	0.993520	35.983.158	7.541.400	34.323.528
03/24/26	13:49:25	0.993580	35.974.869	7.532.220	34.423.981
03/24/26	13:49:26	0.993490	36.048.149	7.534.870	34.524.368
03/24/26	13:49:27	0.993540	36.063.400	7.523.420	34.712.559
03/24/26	13:49:28	0.993560	36.054.710	7.528.440	34.800.388
03/24/26	13:49:29	0.993410	36.144.779	7.480.840	34.900.711
03/24/26	13:49:30	0.993400	36.153.191	7.514.650	35.082.600
03/24/26	13:49:31	0.993390	36.150.028	7.542.260	35.176.739
03/24/26	13:49:32	0.993270	36.201.500	7.509.360	35.277.020
03/24/26	13:49:33	0.993240	36.194.691	7.499.980	35.446.251
03/24/26	13:49:34	0.993170	36.196.281	7.530.670	35.553.059
03/24/26	13:49:35	0.993110	36.184.898	7.553.160	35.653.500
03/24/26	13:49:36	0.992970	36.205.292	7.552.800	35.841.820
03/24/26	13:49:37	0.992910	36.198.189	7.538.080	35.936.020
03/24/26	13:49:38	0.992960	36.133.850	7.571.550	36.030.350
03/24/26	13:49:39	0.993000	36.094.631	7.521.820	36.199.718
03/24/26	13:49:40	0.992990	36.096.210	7.529.600	36.306.358
03/24/26	13:49:41	0.993140	36.010.620	7.560.050	36.406.910
03/24/26	13:49:42	0.993140	36.022.251	7.535.160	36.588.982
03/24/26	13:49:43	0.993200	36.003.311	7.521.020	36.689.381
03/24/26	13:49:44	0.993260	35.977.200	7.502.750	36.783.470
03/24/26	13:49:45	0.993290	35.975.029	7.542.470	36.959.370
03/24/26	13:49:46	0.993190	36.034.229	7.526.260	37.059.780
03/24/26	13:49:47	0.993200	36.029.572	7.533.830	37.160.210
03/24/26	13:49:48	0.993220	36.024.429	7.536.820	37.342.220
03/24/26	13:49:49	0.993280	35.985.352	7.524.520	37.436.340
03/24/26	13:49:50	0.993290	35.989.269	7.517.020	37.536.701
03/24/26	13:49:52	0.993270	35.995.152	7.521.160	37.718.651
03/24/26	13:49:52	0.993250	36.007.389	7.527.190	37.819.019

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03/24/26	13:49:53	0.993260	36.007.389	7.551.180	37.913.269
03/24/26	13:49:54	0.993250	36.015.362	7.565.890	38.101.639
03/24/26	13:49:55	0.993240	36.021.671	7.521.300	38.202.011
03/24/26	13:49:56	0.993250	36.021.671	7.540.060	38.289.799
03/24/26	13:49:57	0.993280	36.009.789	7.544.140	38.471.901
03/24/26	13:49:58	0.993340	35.974.670	7.543.070	38.566.078
03/24/26	13:49:59	0.993340	35.974.670	7.530.540	38.666.481
03/24/26	13:50:00	0.993320	35.978.859	7.526.990	38.842.110
03/24/26	13:50:01	0.993290	35.994.640	7.537.760	38.942.551
03/24/26	13:50:02	0.993290	35.994.640	7.530.390	39.042.938
03/24/26	13:50:03	0.993280	36.004.669	7.549.370	39.218.739
03/24/26	13:50:04	0.993270	36.008.221	7.519.580	39.319.160
03/24/26	13:50:05	0.993270	36.008.221	7.556.300	39.419.701
03/24/26	13:50:06	0.993260	36.016.338	7.544.120	39.589.119
03/24/26	13:50:07	0.993280	36.009.239	7.517.810	39.695.782
03/24/26	13:50:08	0.993280	36.009.239	7.549.150	39.796.249
03/24/26	13:50:09	0.993280	36.011.719	7.548.230	39.971.901
03/24/26	13:50:10	0.993310	36.006.199	7.542.670	40.078.579
03/24/26	13:50:11	0.993320	36.006.199	7.538.110	40.172.722
03/24/26	13:50:12	0.993360	35.996.590	7.547.620	40.354.820
03/24/26	13:50:13	0.993350	36.028.950	7.516.420	40.448.841
03/24/26	13:50:14	0.993320	36.028.950	7.514.590	40.549.210
03/24/26	13:50:15	0.993320	36.038.921	7.552.390	40.718.922
03/24/26	13:50:16	0.993330	36.029.449	7.547.450	40.825.668
03/24/26	13:50:17	0.993360	36.016.029	7.535.470	40.925.980
03/24/26	13:50:18	0.993350	36.024.830	7.524.100	41.120.579
03/24/26	13:50:19	0.993360	36.023.640	7.538.510	41.202.080
03/24/26	13:50:20	0.993320	36.042.580	7.528.990	41.302.391
03/24/26	13:50:21	0.993270	36.073.799	7.540.640	41.471.901
03/24/26	13:50:22	0.993290	36.063.530	7.526.270	41.578.571
03/24/26	13:50:23	0.993310	36.055.641	7.525.930	41.678.909
03/24/26	13:50:24	0.993310	36.047.070	7.532.170	41.854.462
03/24/26	13:50:25	0.993260	36.078.178	7.520.980	41.954.830
03/24/26	13:50:26	0.993260	36.083.321	7.550.650	42.055.222
03/24/26	13:50:27	0.993240	36.086.491	7.546.210	42.230.919
03/24/26	13:50:28	0.993270	36.072.498	7.540.550	42.331.421
03/24/26	13:50:29	0.993290	36.067.360	7.457.160	42.431.648
03/24/26	13:50:30	0.993270	36.065.121	7.450.050	42.599.529
03/24/26	13:50:31	0.993240	36.073.841	7.453.280	42.705.212
03/24/26	13:50:32	0.993070	36.090.408	7.500.560	42.804.810
03/24/26	13:50:33	0.992960	36.073.441	7.457.350	42.997.761
03/24/26	13:50:34	0.992940	36.062.820	7.465.370	43.078.621

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03/24/26	13:50:35	0.992970	36.032.829	7.471.650	43.178.280
03/24/26	13:50:36	0.993130	35.938.099	7.524.830	43.347.050
03/24/26	13:50:37	0.993120	35.942.558	7.476.610	43.453.590
03/24/26	13:50:38	0.993110	35.953.999	7.518.860	43.553.730
03/24/26	13:50:39	0.993350	35.893.211	7.506.580	43.741.562
03/24/26	13:50:40	0.993390	35.890.881	7.513.040	43.835.312
03/24/26	13:50:41	0.993410	35.880.230	7.530.000	43.929.211
03/24/26	13:50:42	0.993370	35.903.160	7.517.790	44.116.840
03/24/26	13:50:43	0.993370	35.895.519	7.482.840	44.216.888
03/24/26	13:50:44	0.993380	35.895.111	7.472.210	44.304.340
03/24/26	13:50:45	0.993360	35.907.421	7.516.000	44.479.408
03/24/26	13:50:46	0.993340	35.919.941	7.511.020	44.585.831
03/24/26	13:50:47	0.993350	35.918.770	7.504.640	44.679.550
03/24/26	13:50:48	0.993320	35.925.289	7.500.570	44.848.358
03/24/26	13:50:49	0.993340	35.911.880	7.495.620	44.954.700
03/24/26	13:50:50	0.993330	35.912.281	7.503.690	45.054.871
03/24/26	13:50:51	0.993310	35.908.169	7.511.820	45.230.019
03/24/26	13:50:52	0.993250	35.913.040	7.511.160	45.336.540
03/24/26	13:50:53	0.993200	35.918.171	7.504.890	45.430.470
03/24/26	13:50:55	0.993200	35.886.101	7.507.450	45.624.352
03/24/26	13:50:56	0.993140	35.904.339	7.529.530	45.805.828
03/24/26	13:50:57	0.993200	35.870.399	7.511.830	45.974.781
03/24/26	13:50:58	0.993180	35.870.659	7.521.760	46.087.349
03/24/26	13:50:59	0.993210	35.856.838	7.500.630	46.181.129
03/24/26	13:51:00	0.993220	35.832.039	7.498.950	46.362.621
03/24/26	13:51:01	0.993300	35.810.699	7.511.750	46.462.891
03/24/26	13:51:02	0.993280	35.830.040	7.507.690	46.556.831
03/24/26	13:51:03	0.993310	35.808.601	7.489.770	46.731.911
03/24/26	13:51:04	0.993310	35.812.431	7.528.200	46.831.989
03/24/26	13:51:05	0.993330	35.799.400	7.508.400	46.932.159
03/24/26	13:51:06	0.993360	35.799.400	7.514.410	47.107.208
03/24/26	13:51:07	0.993370	35.795.620	7.484.960	47.201.019
03/24/26	13:51:08	0.993400	35.794.830	7.491.790	47.307.442
03/24/26	13:51:10	0.993350	35.833.820	7.504.730	47.501.068
03/24/26	13:51:11	0.993390	35.814.220	7.505.230	47.682.610
03/24/26	13:51:12	0.993460	35.777.908	7.505.590	47.851.421
03/24/26	13:51:13	0.993460	35.792.770	7.509.740	47.964.062
03/24/26	13:51:14	0.993400	35.824.741	7.540.130	48.057.980
03/24/26	13:51:15	0.993410	35.829.472	7.499.840	48.245.770
03/24/26	13:51:16	0.993370	35.859.219	7.511.680	48.339.649
03/24/26	13:51:17	0.993420	35.828.442	7.510.950	48.433.441
03/24/26	13:51:18	0.993410	35.845.020	7.492.860	48.602.310

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03/24/26	13:51:19	0.993420	35.842.381	7.498.170	48.708.660
03/24/26	13:51:20	0.993420	35.847.118	7.512.330	48.808.720
03/24/26	13:51:21	0.993450	35.825.020	7.520.160	48.990.082
03/24/26	13:51:22	0.993380	35.862.591	7.505.340	49.083.881
03/24/26	13:51:23	0.993370	35.877.190	7.538.890	49.184.052
03/24/26	13:51:24	0.993310	35.916.260	7.514.100	49.365.570
03/24/26	13:51:25	0.993300	35.922.829	7.488.430	49.459.370
03/24/26	13:51:26	0.993320	35.922.829	7.490.250	49.559.460
03/24/26	13:51:27	0.993360	35.904.282	7.516.350	49.747.238
03/24/26	13:51:28	0.993360	35.917.511	7.503.030	49.841.080
03/24/26	13:51:29	0.993360	35.921.131	7.506.480	49.934.929
03/24/26	13:51:30	0.993440	35.902.180	7.510.050	50.110.191
03/24/26	13:51:31	0.993420	35.925.491	7.523.420	50.216.610
03/24/26	13:51:32	0.993450	35.920.601	7.499.930	50.310.421
03/24/26	13:51:33	0.993450	35.928.890	7.504.260	50.485.821
03/24/26	13:51:34	0.993400	35.956.299	7.498.340	50.592.121
03/24/26	13:51:35	0.993410	35.949.291	7.510.520	50.685.989
03/24/26	13:51:36	0.993410	35.958.771	7.490.070	50.861.092
03/24/26	13:51:37	0.993370	35.983.379	7.523.750	50.961.311
03/24/26	13:51:38	0.993340	35.996.552	7.502.890	51.061.409
03/24/26	13:51:39	0.993360	35.985.500	7.508.180	51.242.950
03/24/26	13:51:40	0.993330	36.002.102	7.527.950	51.343.121
03/24/26	13:51:41	0.993330	35.999.329	7.510.350	51.436.901
03/24/26	13:51:42	0.993320	36.001.701	7.513.420	51.624.691
03/24/26	13:51:43	0.993290	36.007.290	7.527.400	51.712.292
03/24/26	13:51:44	0.993290	36.006.741	7.508.090	51.812.370
03/24/26	13:51:45	0.993270	36.009.109	7.488.630	51.987.461
03/24/26	13:51:46	0.993280	36.003.700	7.503.460	52.087.391
03/24/26	13:51:47	0.993280	36.005.199	7.506.000	52.187.420
03/24/26	13:51:48	0.993250	36.019.409	7.501.910	52.356.400
03/24/26	13:51:49	0.993260	36.014.011	7.503.790	52.462.811
03/24/26	13:51:50	0.993240	36.013.371	7.491.980	52.562.920
03/24/26	13:51:51	0.993260	35.997.189	7.499.890	52.750.561
03/24/26	13:51:52	0.993260	35.991.791	7.514.380	52.844.349
03/24/26	13:51:53	0.993260	35.986.969	7.525.680	52.938.229
03/24/26	13:51:54	0.993280	35.969.601	7.505.380	53.107.170
03/24/26	13:51:55	0.993300	35.949.829	7.505.150	53.213.558
03/24/26	13:51:56	0.993310	35.945.938	7.526.440	53.313.610
03/24/26	13:51:57	0.993280	35.959.751	7.492.140	53.482.510
03/24/26	13:51:58	0.993270	35.954.529	7.508.640	53.588.860
03/24/26	13:51:59	0.993280	35.948.238	7.480.670	53.688.850
03/24/26	13:52:00	0.993280	35.951.000	7.495.180	53.870.159

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03/24/26	13:52:01	0.993270	35.930.309	7.535.300	53.964.081
03/24/26	13:52:02	0.993280	35.941.761	7.539.590	54.064.159
03/24/26	13:52:03	0.993300	35.935.440	7.485.860	54.226.761
03/24/26	13:52:04	0.993310	35.935.440	7.502.570	54.333.221
03/24/26	13:52:05	0.993330	35.923.630	7.505.720	54.439.548
03/24/26	13:52:06	0.993320	35.920.479	7.492.170	54.627.159
03/24/26	13:52:07	0.993320	35.920.479	7.490.620	54.720.940
03/24/26	13:52:08	0.993320	35.932.949	7.515.060	54.814.770
03/24/26	13:52:09	0.993270	35.949.921	7.490.970	54.989.922
03/24/26	13:52:10	0.993280	35.949.921	7.539.330	55.102.539
03/24/26	13:52:11	0.993300	35.944.641	7.493.510	55.190.048
03/24/26	13:52:12	0.993270	35.952.930	7.493.570	55.371.571
03/24/26	13:52:13	0.993270	35.952.930	7.510.960	55.471.691
03/24/26	13:52:14	0.993300	35.937.759	7.472.290	55.565.491
03/24/26	13:52:16	0.993330	35.909.740	7.508.710	55.753.120
03/24/26	13:52:17	0.993340	35.907.459	7.509.270	55.940.781
03/24/26	13:52:18	0.993310	35.926.399	7.497.340	56.128.429
03/24/26	13:52:19	0.993320	35.926.399	7.498.860	56.216.042
03/24/26	13:52:20	0.993300	35.941.879	7.502.690	56.316.109
03/24/26	13:52:21	0.993270	35.956.810	7.494.190	56.491.310
03/24/26	13:52:22	0.993310	35.933.529	7.520.380	56.597.679
03/24/26	13:52:23	0.993310	35.931.660	7.502.930	56.691.551
03/24/26	13:52:24	0.993330	35.933.540	7.492.850	56.860.458
03/24/26	13:52:25	0.993280	35.954.849	7.504.780	56.960.571
03/24/26	13:52:26	0.993310	35.942.539	7.497.140	57.066.921
03/24/26	13:52:27	0.993350	35.920.750	7.508.340	57.248.199
03/24/26	13:52:28	0.993360	35.912.460	7.506.590	57.348.259
03/24/26	13:52:29	0.993320	35.932.041	7.493.720	57.441.978
03/24/26	13:52:31	0.993280	35.952.560	7.500.180	57.629.662
03/24/26	13:52:32	0.993280	35.940.929	7.482.690	57.817.230
03/24/26	13:52:33	0.993280	35.942.200	7.496.470	58.004.971
03/24/26	13:52:34	0.993270	35.946.152	7.528.240	58.098.740
03/24/26	13:52:35	0.993280	35.937.389	7.514.410	58.192.520
03/24/26	13:52:36	0.993270	35.941.849	7.511.380	58.373.989
03/24/26	13:52:37	0.993200	35.969.070	7.498.220	58.473.999
03/24/26	13:52:38	0.993200	35.952.099	7.514.470	58.567.791
03/24/26	13:52:39	0.993190	35.942.261	7.505.590	58.736.721
03/24/26	13:52:40	0.993160	35.930.820	7.541.500	58.843.090
03/24/26	13:52:41	0.993170	35.914.421	7.503.450	58.943.230
03/24/26	13:52:42	0.993130	35.918.789	7.517.570	59.130.890
03/24/26	13:52:43	0.993210	35.874.199	7.533.190	59.224.602
03/24/26	13:52:44	0.993260	35.833.920	7.486.970	59.318.378



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03/24/26	13:52:45	0.993230	35.845.821	7.505.700	59.506.020
03/24/26	13:52:46	0.993210	35.862.000	7.520.450	59.599.911
03/24/26	13:52:47	0.993250	35.845.032	7.496.740	59.693.729
03/24/26	13:52:48	0.993300	35.822.300	7.490.090	59.887.630
03/24/26	13:52:49	0.993260	35.849.930	7.518.010	59.975.101
03/24/26	13:52:50	0.993310	35.828.300	7.519.070	60.068.821
03/24/26	13:52:51	0.993320	35.828.259	7.504.200	60.237.679
03/24/26	13:52:52	0.993380	35.806.950	7.507.230	60.350.281
03/24/26	13:52:53	0.993340	35.822.048	7.488.420	60.444.031
03/24/26	13:52:54	0.993310	35.833.950	7.520.690	60.638.008
03/24/26	13:52:55	0.993320	35.842.628	7.493.630	60.725.620
03/24/26	13:52:56	0.993330	35.844.120	7.485.170	60.819.431
03/24/26	13:52:57	0.993330	35.849.869	7.496.820	60.994.461
03/24/26	13:52:58	0.993390	35.830.139	7.499.160	61.100.800
03/24/26	13:52:59	0.993390	35.830.151	7.509.360	61.194.580
03/24/26	13:53:00	0.993390	35.837.311	7.520.350	61.363.430
03/24/26	13:53:01	0.993350	35.869.270	7.483.900	61.476.040
03/24/26	13:53:02	0.993360	35.869.270	7.510.350	61.569.889
03/24/26	13:53:03	0.993300	35.906.540	7.514.810	61.751.331
03/24/26	13:53:04	0.993340	35.880.100	7.462.680	61.851.398
03/24/26	13:53:05	0.993350	35.880.100	7.490.930	61.945.179
03/24/26	13:53:06	0.993380	35.874.329	7.532.730	62.132.839
03/24/26	13:53:07	0.993350	35.892.879	7.514.700	62.226.589
03/24/26	13:53:08	0.993340	35.892.879	7.493.640	62.320.431
03/24/26	13:53:09	0.993350	35.902.409	7.531.340	62.495.338
03/24/26	13:53:10	0.993400	35.874.390	7.496.620	62.601.650
03/24/26	13:53:11	0.993400	35.874.390	7.514.520	62.695.461
03/24/26	13:53:12	0.993360	35.900.070	7.514.910	62.876.652
03/24/26	13:53:13	0.993330	35.909.931	7.499.280	62.976.631
03/24/26	13:53:14	0.993330	35.909.931	7.505.280	63.070.332
03/24/26	13:53:15	0.993330	35.913.052	7.497.690	63.257.870
03/24/26	13:53:16	0.993340	35.913.052	7.503.360	63.351.688
03/24/26	13:53:17	0.993370	35.897.659	7.498.030	63.445.400
03/24/26	13:53:18	0.993330	35.903.080	7.506.390	63.632.881
03/24/26	13:53:19	0.993300	35.922.020	7.506.660	63.726.700
03/24/26	13:53:20	0.993300	35.922.020	7.502.590	63.820.549
03/24/26	13:53:21	0.993280	35.929.520	7.508.760	63.989.311
03/24/26	13:53:22	0.993290	35.926.750	7.514.880	64.095.497
03/24/26	13:53:23	0.993300	35.925.179	7.513.000	64.195.602
03/24/26	13:53:24	0.993330	35.916.439	7.471.400	64.376.923
03/24/26	13:53:25	0.993310	35.929.070	7.500.530	64.476.982
03/24/26	13:53:26	0.993340	35.914.860	7.489.180	64.570.747

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03/24/26	13:53:27	0.993330	35.915.630	7.480.670	64.752.098
03/24/26	13:53:28	0.993320	35.920.761	7.519.300	64.852.257
03/24/26	13:53:29	0.993310	35.932.190	7.502.540	64.946.037
03/24/26	13:53:30	0.993310	35.934.811	7.484.810	65.114.960
03/24/26	13:53:31	0.993320	35.944.401	7.516.490	65.227.386
03/24/26	13:53:32	0.993340	35.948.738	7.487.930	65.321.136
03/24/26	13:53:33	0.993370	35.958.618	7.510.170	65.502.502
03/24/26	13:53:34	0.993430	35.959.679	7.467.190	65.596.169
03/24/26	13:53:35	0.993480	35.950.611	7.499.310	65.696.007
03/24/26	13:53:36	0.993430	35.992.939	7.511.650	65.877.434
03/24/26	13:53:37	0.993430	35.996.342	7.506.060	65.977.577
03/24/26	13:53:38	0.993450	35.988.838	7.487.180	66.071.419
03/24/26	13:53:39	0.993370	36.033.409	7.486.000	66.246.231
03/24/26	13:53:40	0.993370	36.028.309	7.483.670	66.346.199
03/24/26	13:53:41	0.993380	36.023.170	7.490.450	66.446.159
03/24/26	13:53:42	0.993330	36.050.209	7.470.750	66.627.258
03/24/26	13:53:43	0.993330	36.049.580	7.506.260	66.733.582
03/24/26	13:53:44	0.993270	36.077.202	7.493.110	66.821.083
03/24/26	13:53:45	0.993250	36.088.951	7.511.320	67.014.900
03/24/26	13:53:46	0.993230	36.094.051	7.516.180	67.102.417
03/24/26	13:53:47	0.993270	36.062.080	7.493.800	67.196.129
03/24/26	13:53:48	0.993290	36.049.030	7.499.880	67.377.403
03/24/26	13:53:49	0.993290	36.046.902	7.515.230	67.471.184
03/24/26	13:53:50	0.993260	36.050.850	7.504.490	67.571.220
03/24/26	13:53:51	0.993270	36.051.220	7.507.200	67.758.743
03/24/26	13:53:52	0.993250	36.046.551	7.481.860	67.852.524
03/24/26	13:53:53	0.993210	36.075.359	7.485.660	67.946.297
03/24/26	13:53:54	0.993230	36.059.879	7.514.260	68.127.563
03/24/26	13:53:55	0.993210	36.062.439	7.484.830	68.233.727
03/24/26	13:53:56	0.993250	36.032.051	7.479.640	68.321.167
03/24/26	13:53:57	0.993280	36.013.409	7.501.600	68.508.614
03/24/26	13:53:58	0.993250	36.020.451	7.498.600	68.602.333
03/24/26	13:53:59	0.993190	36.057.941	7.495.900	68.696.060
03/24/26	13:54:01	0.993180	36.060.921	7.482.940	68.889.687
03/24/26	13:54:02	0.993240	36.013.908	7.485.250	69.070.663
03/24/26	13:54:03	0.993250	35.996.380	7.498.580	69.245.560
03/24/26	13:54:04	0.993210	36.010.658	7.518.440	69.351.807
03/24/26	13:54:05	0.993210	36.023.689	7.488.110	69.451.759
03/24/26	13:54:06	0.993190	36.023.682	7.493.240	69.614.281
03/24/26	13:54:07	0.993210	36.006.290	7.493.240	69.720.543
03/24/26	13:54:08	0.993220	36.010.639	7.471.610	69.826.721
03/24/26	13:54:09	0.993210	36.010.632	7.473.020	70.001.617

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03/24/26	13:54:10	0.993210	36.014.450	7.504.530	70.101.608
03/24/26	13:54:11	0.993180	36.018.791	7.495.360	70.195.389
03/24/26	13:54:12	0.993210	36.004.200	7.476.980	70.364.143
03/24/26	13:54:13	0.993230	35.983.749	7.505.670	70.476.738
03/24/26	13:54:14	0.993240	35.976.250	7.490.120	70.576.729
03/24/26	13:54:15	0.993180	35.985.329	7.496.000	70.745.506
03/24/26	13:54:16	0.993190	35.957.680	7.485.010	70.851.692
03/24/26	13:54:17	0.993130	35.967.541	7.488.840	70.945.374
03/24/26	13:54:19	0.993110	35.958.469	7.500.330	71.132.896
03/24/26	13:54:20	0.993130	35.939.381	7.477.080	71.326.553
03/24/26	13:54:21	0.993100	35.952.000	7.505.360	71.489.166
03/24/26	13:54:22	0.993240	35.887.192	7.506.140	71.601.639
03/24/26	13:54:23	0.993250	35.868.252	7.488.500	71.695.427
03/24/26	13:54:24	0.993290	35.858.391	7.491.350	71.876.587
03/24/26	13:54:25	0.993300	35.859.020	7.498.210	71.976.517
03/24/26	13:54:26	0.993280	35.873.219	7.483.220	72.070.198
03/24/26	13:54:27	0.993280	35.879.539	7.503.730	72.238.869
03/24/26	13:54:28	0.993290	35.870.571	7.526.100	72.357.567
03/24/26	13:54:29	0.993310	35.870.571	7.498.740	72.451.332
03/24/26	13:54:30	0.993360	35.843.342	7.462.150	72.632.477
03/24/26	13:54:31	0.993340	35.851.479	7.496.270	72.726.189
03/24/26	13:54:32	0.993360	35.851.479	7.495.870	72.819.870
03/24/26	13:54:33	0.993310	35.881.458	7.506.830	72.988.457
03/24/26	13:54:34	0.993290	35.892.269	7.506.890	73.094.681
03/24/26	13:54:35	0.993300	35.885.269	7.502.710	73.200.844
03/24/26	13:54:36	0.993350	35.863.960	7.504.670	73.363.228
03/24/26	13:54:37	0.993360	35.855.381	7.508.260	73.475.769
03/24/26	13:54:38	0.993360	35.857.719	7.508.980	73.569.443
03/24/26	13:54:40	0.993360	35.868.382	7.481.980	73.763.268
03/24/26	13:54:41	0.993300	35.899.811	7.497.510	73.944.420
03/24/26	13:54:42	0.993300	35.903.370	7.480.300	74.113.113
03/24/26	13:54:43	0.993320	35.888.081	7.504.360	74.225.632
03/24/26	13:54:44	0.993340	35.877.239	7.511.730	74.319.473
03/24/26	13:54:45	0.993300	35.895.000	7.503.950	74.488.220
03/24/26	13:54:46	0.993310	35.898.720	7.513.610	74.594.383
03/24/26	13:54:47	0.993300	35.897.659	7.511.210	74.694.450
03/24/26	13:54:48	0.993350	35.868.469	7.543.360	74.869.408
03/24/26	13:54:49	0.993350	35.868.649	7.512.710	74.969.498
03/24/26	13:54:50	0.993330	35.884.159	7.500.610	75.069.527
03/24/26	13:54:51	0.993350	35.872.318	7.512.950	75.250.687
03/24/26	13:54:52	0.993340	35.871.571	7.491.350	75.350.647
03/24/26	13:54:53	0.993340	35.874.710	7.497.150	75.444.389

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03/24/26	13:54:54	0.993320	35.886.150	7.504.130	75.619.331
03/24/26	13:54:55	0.993340	35.881.302	7.526.270	75.725.662
03/24/26	13:54:56	0.993360	35.870.010	7.469.440	75.819.443
03/24/26	13:54:57	0.993320	35.890.530	7.479.930	76.000.549
03/24/26	13:54:58	0.993300	35.908.619	7.485.930	76.100.517
03/24/26	13:54:59	0.993290	35.910.542	7.510.150	76.194.183
03/24/26	13:55:00	0.993300	35.903.042	7.519.180	76.369.217
03/24/26	13:55:01	0.993310	35.900.612	7.501.060	76.469.177
03/24/26	13:55:02	0.993310	35.896.568	7.493.180	76.569.107
03/24/26	13:55:03	0.993300	35.906.830	7.479.070	76.743.980
03/24/26	13:55:04	0.993290	35.910.191	7.484.370	76.843.964
03/24/26	13:55:05	0.993270	35.914.139	7.510.870	76.943.977
03/24/26	13:55:06	0.993320	35.892.841	7.508.030	77.125.031
03/24/26	13:55:07	0.993330	35.886.311	7.501.040	77.225.014
03/24/26	13:55:08	0.993350	35.885.948	7.484.430	77.318.817
03/24/26	13:55:09	0.993380	35.853.588	7.495.480	77.487.534
03/24/26	13:55:10	0.993380	35.853.588	7.505.070	77.593.811
03/24/26	13:55:11	0.993360	35.868.118	7.476.430	77.693.687
03/24/26	13:55:12	0.993340	35.879.169	7.516.250	77.874.924
03/24/26	13:55:13	0.993340	35.879.169	7.500.960	77.974.907
03/24/26	13:55:14	0.993350	35.880.219	7.470.730	78.068.542
03/24/26	13:55:15	0.993250	35.934.269	7.505.240	78.256.020
03/24/26	13:55:16	0.993260	35.934.269	7.514.410	78.343.468
03/24/26	13:55:17	0.993270	35.927.818	7.494.630	78.443.336
03/24/26	13:55:18	0.993310	35.900.600	7.501.380	78.618.301
03/24/26	13:55:19	0.993300	35.900.600	7.487.250	78.718.140
03/24/26	13:55:20	0.993280	35.909.710	7.510.180	78.818.176
03/24/26	13:55:22	0.993280	35.918.781	7.478.170	79.011.787
03/24/26	13:55:23	0.993300	35.902.592	7.478.220	79.192.848
03/24/26	13:55:24	0.993320	35.898.251	7.517.350	79.361.618
03/24/26	13:55:25	0.993280	35.916.401	7.506.130	79.467.773
03/24/26	13:55:26	0.993250	35.927.589	7.498.730	79.567.772
03/24/26	13:55:27	0.993290	35.901.329	7.488.900	79.742.752
03/24/26	13:55:28	0.993310	35.898.178	7.501.560	79.842.758
03/24/26	13:55:29	0.993280	35.913.841	7.508.920	79.942.657
03/24/26	13:55:30	0.993260	35.925.369	7.482.620	80.123.833
03/24/26	13:55:31	0.993290	35.906.830	7.489.880	80.217.552
03/24/26	13:55:32	0.993320	35.895.271	7.483.260	80.317.383
03/24/26	13:55:33	0.993370	35.864.159	7.478.760	80.485.863
03/24/26	13:55:34	0.993350	35.872.051	7.482.190	80.592.056
03/24/26	13:55:35	0.993340	35.875.778	7.484.590	80.691.948
03/24/26	13:55:36	0.993270	35.908.920	7.509.190	80.879.181

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03/24/26	13:55:37	0.993290	35.902.611	7.499.780	80.972.816
03/24/26	13:55:38	0.993270	35.910.820	7.501.870	81.066.513
03/24/26	13:55:39	0.993270	35.908.989	7.499.710	81.234.970
03/24/26	13:55:40	0.993280	35.904.652	7.491.770	81.341.072
03/24/26	13:55:41	0.993290	35.886.379	7.493.920	81.441.017
03/24/26	13:55:42	0.993320	35.881.069	7.512.810	81.615.936
03/24/26	13:55:43	0.993300	35.891.720	7.506.500	81.722.076
03/24/26	13:55:44	0.993300	35.890.789	7.488.590	81.821.960
03/24/26	13:55:45	0.993290	35.895.809	7.520.600	81.996.910
03/24/26	13:55:46	0.993230	35.928.551	7.492.260	82.096.832
03/24/26	13:55:47	0.993230	35.930.229	7.477.990	82.196.831
03/24/26	13:55:48	0.993230	35.936.169	7.483.280	82.377.907
03/24/26	13:55:49	0.993280	35.903.431	7.504.050	82.471.588
03/24/26	13:55:50	0.993300	35.895.039	7.523.200	82.565.323
03/24/26	13:55:51	0.993330	35.885.559	7.515.820	82.740.143
03/24/26	13:55:52	0.993300	35.896.221	7.500.740	82.840.111
03/24/26	13:55:53	0.993280	35.901.070	7.489.930	82.946.297
03/24/26	13:55:54	0.993290	35.899.910	7.491.450	83.114.922
03/24/26	13:55:55	0.993320	35.893.600	7.483.150	83.221.031
03/24/26	13:55:56	0.993320	35.895.088	7.512.800	83.314.758
03/24/26	13:55:57	0.993300	35.903.690	7.500.770	83.502.113
03/24/26	13:55:58	0.993290	35.895.802	7.501.020	83.589.493
03/24/26	13:55:59	0.993300	35.898.220	7.505.610	83.695.618
03/24/26	13:56:00	0.993340	35.883.980	7.508.050	83.858.040
03/24/26	13:56:01	0.993330	35.886.749	7.482.830	83.970.360
03/24/26	13:56:02	0.993330	35.886.749	7.485.470	84.070.213
03/24/26	13:56:03	0.993320	35.887.390	7.476.870	84.257.507
03/24/26	13:56:04	0.993320	35.882.660	7.503.290	84.344.940
03/24/26	13:56:05	0.993330	35.882.660	7.507.400	84.438.629
03/24/26	13:56:06	0.993270	35.913.509	7.504.340	84.607.193
03/24/26	13:56:07	0.993290	35.907.990	7.482.670	84.713.364
03/24/26	13:56:08	0.993280	35.907.990	7.489.030	84.819.672
03/24/26	13:56:09	0.993310	35.891.239	7.500.310	85.006.790
03/24/26	13:56:10	0.993280	35.911.751	7.480.930	85.094.223
03/24/26	13:56:11	0.993280	35.911.751	7.513.580	85.188.004
03/24/26	13:56:12	0.993310	35.892.281	7.497.780	85.369.270
03/24/26	13:56:13	0.993360	35.867.420	7.503.360	85.469.299
03/24/26	13:56:14	0.993360	35.867.432	7.468.530	85.569.252
03/24/26	13:56:15	0.993340	35.879.219	7.480.870	85.731.667
03/24/26	13:56:16	0.993330	35.886.719	7.460.030	85.844.017
03/24/26	13:56:17	0.993320	35.886.711	7.502.140	85.943.970
03/24/26	13:56:18	0.993300	35.903.011	7.497.000	86.131.248

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03/24/26	13:56:19	0.993270	35.925.110	7.494.640	86.218.582
03/24/26	13:56:20	0.993260	35.925.110	7.521.180	86.312.263
03/24/26	13:56:21	0.993290	35.909.531	7.485.710	86.480.766
03/24/26	13:56:22	0.993310	35.894.932	7.506.370	86.586.838
03/24/26	13:56:23	0.993350	35.872.841	7.504.420	86.693.024
03/24/26	13:56:24	0.993310	35.891.140	7.512.880	86.861.816
03/24/26	13:56:25	0.993270	35.911.270	7.497.820	86.968.033
03/24/26	13:56:26	0.993280	35.914.421	7.503.260	87.061.768
03/24/26	13:56:27	0.993310	35.904.968	7.498.410	87.242.813
03/24/26	13:56:28	0.993310	35.900.230	7.482.740	87.336.327
03/24/26	13:56:29	0.993270	35.917.591	7.467.580	87.442.436
03/24/26	13:56:30	0.993290	35.907.928	7.457.810	87.604.797
03/24/26	13:56:31	0.993270	35.911.091	7.494.630	87.717.110
03/24/26	13:56:32	0.993320	35.880.711	7.493.300	87.816.933
03/24/26	13:56:33	0.993330	35.896.309	7.481.370	87.998.032
03/24/26	13:56:34	0.993320	35.886.051	7.493.020	88.091.667
03/24/26	13:56:35	0.993320	35.891.979	7.494.530	88.185.303
03/24/26	13:56:36	0.993300	35.896.641	7.510.130	88.353.859
03/24/26	13:56:37	0.993300	35.892.059	7.478.520	88.460.030
03/24/26	13:56:38	0.993300	35.900.730	7.498.020	88.566.231
03/24/26	13:56:39	0.993320	35.893.459	7.513.160	88.753.578
03/24/26	13:56:40	0.993300	35.900.082	7.485.660	88.841.049
03/24/26	13:56:41	0.993340	35.889.030	7.482.890	88.934.677
03/24/26	13:56:42	0.993330	35.908.611	7.481.590	89.122.047
03/24/26	13:56:43	0.993340	35.908.611	7.456.100	89.209.511
03/24/26	13:56:44	0.993360	35.901.112	7.497.360	89.309.387
03/24/26	13:56:45	0.993340	35.911.549	7.495.610	89.484.253
03/24/26	13:56:46	0.993340	35.904.331	7.487.990	89.590.446
03/24/26	13:56:47	0.993320	35.917.740	7.497.940	89.684.128
03/24/26	13:56:48	0.993290	35.928.749	7.507.680	89.859.039
03/24/26	13:56:49	0.993300	35.928.532	7.502.930	89.958.961
03/24/26	13:56:50	0.993300	35.927.349	7.502.810	90.058.907
03/24/26	13:56:51	0.993320	35.910.191	7.491.740	90.240.013
03/24/26	13:56:52	0.993330	35.908.920	7.478.430	90.339.973
03/24/26	13:56:53	0.993310	35.917.599	7.506.710	90.433.571
03/24/26	13:56:54	0.993320	35.922.642	7.509.600	90.614.548
03/24/26	13:56:55	0.993290	35.927.990	7.511.090	90.714.569
03/24/26	13:56:56	0.993320	35.922.859	7.476.550	90.808.197
03/24/26	13:56:57	0.993300	35.935.349	7.506.940	90.976.768
03/24/26	13:56:58	0.993310	35.925.171	7.512.870	91.082.916
03/24/26	13:56:59	0.993270	35.945.290	7.487.150	91.182.877
03/24/26	13:57:00	0.993250	35.948.460	7.497.630	91.376.404

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03/24/26	13:57:01	0.993220	35.971.870	7.516.150	91.463.913
03/24/26	13:57:02	0.993300	35.924.129	7.483.700	91.557.571
03/24/26	13:57:03	0.993340	35.903.252	7.488.360	91.732.491
03/24/26	13:57:04	0.993360	35.889.431	7.487.740	91.832.397
03/24/26	13:57:05	0.993320	35.911.518	7.502.490	91.932.182
03/24/26	13:57:06	0.993320	35.925.320	7.500.940	92.100.807
03/24/26	13:57:07	0.993280	35.935.070	7.469.220	92.207.008
03/24/26	13:57:08	0.993250	35.953.220	7.500.070	92.306.953
03/24/26	13:57:10	0.993250	35.959.751	7.481.070	92.500.351
03/24/26	13:57:11	0.993250	35.955.471	7.472.930	92.681.343
03/24/26	13:57:12	0.993270	35.941.299	7.482.810	92.868.797
03/24/26	13:57:13	0.993280	35.933.830	7.469.120	92.962.303
03/24/26	13:57:14	0.993280	35.935.020	7.494.370	93.055.992
03/24/26	13:57:15	0.993260	35.940.109	7.483.190	93.249.519
03/24/26	13:57:16	0.993260	35.949.871	7.505.470	93.336.906
03/24/26	13:57:17	0.993220	35.968.410	7.482.050	93.430.527
03/24/26	13:57:18	0.993220	35.966.049	7.507.320	93.611.679
03/24/26	13:57:19	0.993240	35.961.842	7.492.280	93.711.594
03/24/26	13:57:20	0.993310	35.915.279	7.493.590	93.805.260
03/24/26	13:57:21	0.993320	35.905.811	7.503.100	93.973.824
03/24/26	13:57:22	0.993330	35.905.029	7.500.380	94.079.987
03/24/26	13:57:23	0.993270	35.943.298	7.475.800	94.179.893
03/24/26	13:57:25	0.993280	35.942.120	7.500.720	94.373.337
03/24/26	13:57:26	0.993260	35.949.619	7.502.050	94.554.398
03/24/26	13:57:27	0.993250	35.953.171	7.508.560	94.723.061
03/24/26	13:57:28	0.993260	35.949.471	7.473.440	94.829.063
03/24/26	13:57:29	0.993280	35.941.978	7.485.930	94.935.173
03/24/26	13:57:30	0.993280	35.930.931	7.497.050	95.116.272
03/24/26	13:57:31	0.993280	35.932.522	7.497.220	95.203.644
03/24/26	13:57:32	0.993280	35.927.792	7.516.710	95.303.627
03/24/26	13:57:33	0.993270	35.939.232	7.496.480	95.465.950
03/24/26	13:57:34	0.993300	35.924.500	7.479.490	95.578.346
03/24/26	13:57:35	0.993310	35.925.980	7.483.880	95.684.464
03/24/26	13:57:36	0.993290	35.932.690	7.486.540	95.871.643
03/24/26	13:57:37	0.993270	35.943.130	7.489.970	95.952.766
03/24/26	13:57:38	0.993260	35.946.529	7.455.790	96.052.620
03/24/26	13:57:39	0.993290	35.931.931	7.495.690	96.233.673
03/24/26	13:57:40	0.993270	35.939.209	7.488.400	96.333.588
03/24/26	13:57:41	0.993290	35.931.351	7.495.920	96.427.299
03/24/26	13:57:42	0.993290	35.929.371	7.494.770	96.602.020
03/24/26	13:57:43	0.993300	35.921.730	7.477.860	96.708.183
03/24/26	13:57:44	0.993290	35.926.189	7.527.060	96.801.849

RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

03/24/26	13:57:45	0.993250	35.933.689	6.681.410	96.963.501
03/24/26	13:57:46	0.993240	35.939.838	6.650.860	97.057.922
03/24/26	13:57:47	0.993230	35.935.162	6.664.320	97.146.797
03/24/26	13:57:48	0.991170	35.947.399	6.697.290	97.313.560
03/24/26	13:57:49	0.990170	35.797.119	6.679.040	97.391.510
03/24/26	13:57:50	0.989760	35.778.431	6.667.930	97.480.507
03/24/26	13:57:51	0.989510	35.755.150	6.680.920	97.642.021
03/24/26	13:57:52	0.991090	34.738.499	6.682.020	97.725.563
03/24/26	13:57:53	0.991070	34.692.822	6.671.360	97.809.097
03/24/26	13:57:54	0.990980	34.688.480	6.684.210	97.964.958
03/24/26	13:57:55	0.992050	34.032.421	6.673.250	98.065.140
03/24/26	13:57:56	0.992140	33.956.249	6.663.220	98.148.483
03/24/26	13:57:57	0.992060	33.973.202	6.669.380	98.298.622
03/24/26	13:57:58	0.992670	33.602.501	6.673.770	98.393.242
03/24/26	13:57:59	0.992670	33.582.088	6.683.580	98.476.624
03/24/26	13:58:00	0.992650	33.580.120	6.672.200	98.632.133
03/24/26	13:58:01	0.992980	33.369.469	6.678.390	98.726.593
03/24/26	13:58:02	0.992970	33.357.170	6.344.460	98.814.049
03/24/26	13:58:03	0.992910	33.377.659	6.340.650	98.972.794
03/24/26	13:58:04	0.993160	33.224.579	6.145.020	99.045.898
03/24/26	13:58:05	0.993250	33.208.920	6.171.420	99.128.288
03/24/26	13:58:06	0.994400	33.179.760	6.160.060	99.272.186
03/24/26	13:58:07	0.994740	33.220.348	6.166.420	99.349.327
03/24/26	13:58:08	0.995410	33.218.201	5.984.490	99.430.748
03/24/26	13:58:09	0.995890	33.248.951	5.979.870	99.570.137
03/24/26	13:58:10	0.995160	33.785.141	5.993.470	99.654.907
03/24/26	13:58:11	0.995190	33.845.600	5.989.760	99.734.642
03/24/26	13:58:12	0.996280	33.837.318	5.961.490	99.883.972
03/24/26	13:58:13	0.996760	33.837.318	5.976.340	99.953.758
03/24/26	13:58:14	0.995850	34.482.021	5.965.090	100.028.503
03/24/26	13:58:16	0.996030	34.471.760	5.982.160	100.182.899
03/24/26	13:58:17	0.994950	35.177.582	5.961.330	100.332.283
03/24/26	13:58:18	0.995010	35.175.220	5.979.050	100.471.657
03/24/26	13:58:19	0.995050	35.175.209	5.964.600	100.551.338
03/24/26	13:58:20	0.994370	35.582.821	5.979.010	100.631.157
03/24/26	13:58:21	0.994450	35.564.270	5.961.090	100.770.760
03/24/26	13:58:22	0.994460	35.564.270	5.983.750	100.850.510
03/24/26	13:58:23	0.994010	35.836.670	6.001.900	100.925.339
03/24/26	13:58:24	0.994010	35.858.360	5.938.120	101.059.128
03/24/26	13:58:25	0.994000	35.858.360	5.892.140	101.142.632
03/24/26	13:58:26	0.993750	36.012.730	5.900.590	101.226.410
03/24/26	13:58:27	0.993720	36.006.809	5.925.540	101.369.102

RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

03/24/26	13:58:28	0.993530	36.022.190	5.894.310	101.442.932
03/24/26	13:58:29	0.993330	36.107.780	5.904.440	101.516.739
03/24/26	13:58:30	0.993310	36.104.019	5.884.430	101.654.419
03/24/26	13:58:31	0.993320	36.085.091	5.910.540	101.737.999
03/24/26	13:58:32	0.993380	36.052.460	5.873.190	101.816.643
03/24/26	13:58:33	0.993360	36.059.189	5.906.030	101.944.778
03/24/26	13:58:34	0.993400	36.042.221	5.890.800	102.033.363
03/24/26	13:58:35	0.993420	36.031.590	5.903.340	102.112.152
03/24/26	13:58:36	0.993340	36.071.259	5.902.710	102.250.069
03/24/26	13:58:37	0.993320	36.083.099	5.912.960	102.328.934
03/24/26	13:58:38	0.993270	36.106.411	5.898.550	102.402.771
03/24/26	13:58:39	0.993300	36.094.391	5.890.590	102.540.619
03/24/26	13:58:40	0.993300	36.101.089	5.899.640	102.624.290
03/24/26	13:58:41	0.993300	36.093.449	5.906.330	102.702.972
03/24/26	13:58:42	0.993310	36.084.728	5.931.740	102.835.899
03/24/26	13:58:43	0.993370	36.051.991	5.899.390	102.919.540
03/24/26	13:58:44	0.993330	36.064.850	5.896.960	102.993.347
03/24/26	13:58:45	0.993310	36.072.289	5.895.410	103.126.167
03/24/26	13:58:46	0.993300	36.083.740	5.903.410	103.214.684
03/24/26	13:58:47	0.993310	36.081.120	5.914.840	103.293.411
03/24/26	13:58:48	0.993280	36.084.270	5.915.650	103.435.997
03/24/26	13:58:49	0.993260	36.082.291	5.886.460	103.504.929
03/24/26	13:58:50	0.993260	36.090.870	5.875.380	103.583.527
03/24/26	13:58:51	0.993250	36.091.690	5.928.090	103.731.163
03/24/26	13:58:52	0.993250	36.091.290	5.891.810	103.804.878
03/24/26	13:58:53	0.993280	36.078.049	5.896.140	103.883.553
03/24/26	13:58:54	0.993300	36.068.481	5.904.890	104.021.179
03/24/26	13:58:55	0.993290	36.076.759	5.898.500	104.099.861
03/24/26	13:58:56	0.993290	36.080.311	5.884.770	104.173.752
03/24/26	13:58:57	0.993260	36.092.251	5.877.980	104.321.182
03/24/26	13:58:58	0.993260	36.086.720	5.899.570	104.395.050
03/24/26	13:58:59	0.993240	36.097.721	5.897.950	104.468.803
03/24/26	13:59:00	0.993240	36.094.181	5.905.330	104.616.219
03/24/26	13:59:01	0.993250	36.086.288	5.896.140	104.689.911
03/24/26	13:59:02	0.993250	36.092.999	5.878.520	104.768.501
03/24/26	13:59:03	0.993220	36.099.579	5.911.450	104.906.258
03/24/26	13:59:04	0.993290	36.060.120	5.900.390	104.984.978
03/24/26	13:59:05	0.993290	36.042.969	5.904.450	105.058.731
03/24/26	13:59:06	0.993350	36.029.861	5.887.590	105.201.523
03/24/26	13:59:07	0.993270	36.081.150	5.900.220	105.280.220
03/24/26	13:59:08	0.993270	36.081.150	5.885.300	105.358.917
03/24/26	13:59:09	0.993240	36.091.492	5.900.620	105.491.707

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03/24/26	13:59:10	0.993250	36.083.210	5.907.390	105.575.371
03/24/26	13:59:11	0.993230	36.083.199	5.921.990	105.649.200
03/24/26	13:59:12	0.993200	36.084.030	5.887.100	105.791.801
03/24/26	13:59:13	0.993160	36.096.649	5.902.120	105.870.537
03/24/26	13:59:14	0.993150	36.096.649	5.881.800	105.944.229
03/24/26	13:59:15	0.993160	36.093.342	5.897.130	106.086.708
03/24/26	13:59:16	0.993200	36.066.120	5.903.200	106.160.561
03/24/26	13:59:17	0.993210	36.066.120	5.880.150	106.244.148
03/24/26	13:59:18	0.993280	36.034.260	5.901.710	106.381.706
03/24/26	13:59:19	0.993270	36.053.589	5.901.390	106.460.457
03/24/26	13:59:20	0.993270	36.053.581	5.923.670	106.534.203
03/24/26	13:59:21	0.993240	36.070.648	5.894.450	106.671.928
03/24/26	13:59:22	0.993210	36.095.901	5.928.880	106.750.679
03/24/26	13:59:23	0.993230	36.095.909	5.934.090	106.834.396
03/24/26	13:59:24	0.993240	36.102.718	5.912.110	106.971.626
03/24/26	13:59:25	0.993260	36.064.838	5.743.820	107.049.080
03/24/26	13:59:26	0.993370	36.064.838	7.561.750	107.138.443
03/24/26	13:59:27	0.993360	36.096.340	7.269.310	107.313.011
03/24/26	13:59:28	0.993470	36.152.760	7.187.300	107.408.867
03/24/26	13:59:29	0.995520	36.152.760	7.200.530	107.499.077
03/24/26	13:59:30	0.996450	36.302.078	7.196.670	107.661.118
03/24/26	13:59:31	0.996800	36.271.702	7.195.690	107.762.978
03/24/26	13:59:32	0.996970	36.261.040	7.196.750	107.864.899
03/24/26	13:59:33	0.995150	37.381.840	7.217.340	108.032.990
03/24/26	13:59:34	0.995210	37.379.070	7.212.250	108.123.016
03/24/26	13:59:35	0.995290	37.355.389	7.205.910	108.218.987
03/24/26	13:59:36	0.994110	38.017.422	0.000000	108.321.426

Set de temperatura no aquecedor em mínimo.

Consumo hídrico até a temperatura de 38°C : 1,5 litros.

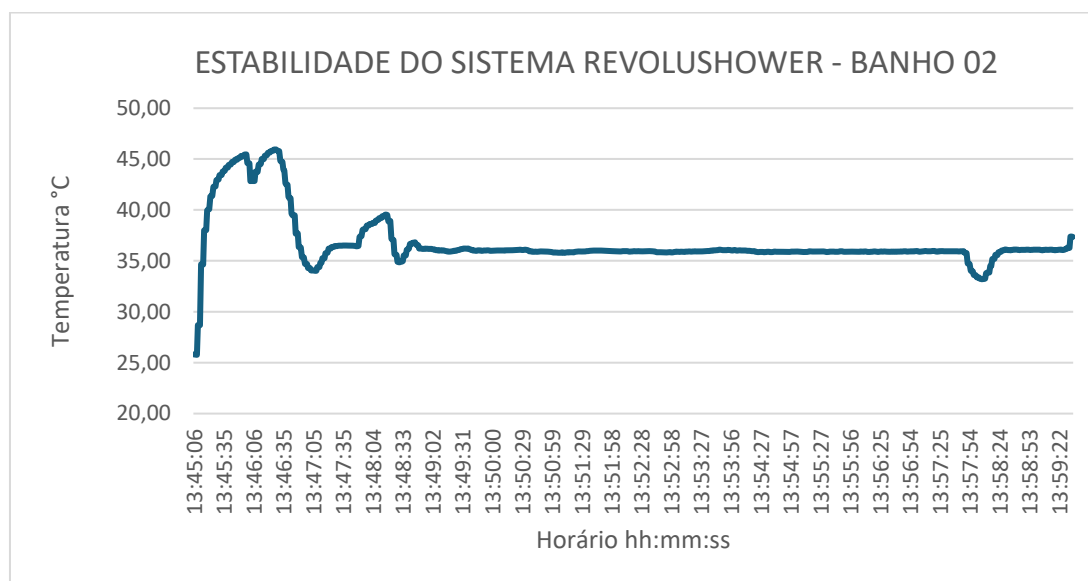
Consumo hídrico até a temperatura de 41°C : 2,2 litros.

Legenda:

- Abertura do misturador (Banho 02) para a temperatura de 38°C
- Regulagem da temperatura
- Pré aquecimento por controle eletrônico remoto
- Abertura do misturador (Banho 01) para a temperatura de 38°C



RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526



DADOS DO GASTO ENERGÉTICO SISTEMA REVOLUSHOWER – BANHO 02

Date	Time	Density (g/cm ³)	Temperature (°C)	Volume Flow Rate (liters/minute)	Volume Total (liters)
05/04/2026	12:29:31	0.995240	23.900.100	0.000000	0.000000
05/04/2026	12:29:32	0.995238	23.900.099	0.000000	0.000000
05/04/2026	12:29:33	0.995239	23.900.100	0.000000	0.000000
05/04/2026	12:29:34	0.995240	23.900.101	0.000000	0.000000
05/04/2026	12:29:35	0.995280	23.878.719	0.000000	0.000000
05/04/2026	12:29:36	0.995290	23.872.089	0.000000	0.000000
05/04/2026	12:29:37	0.995290	23.877.890	0.000000	0.000000
05/04/2026	12:29:38	0.995290	23.880.840	0.000000	0.000000
05/04/2026	12:29:39	0.995280	23.886.730	0.000000	0.000000
05/04/2026	12:29:40	0.995270	23.896.130	0.000000	0.000000
05/04/2026	12:29:41	0.995270	23.900.970	0.000000	0.000000
05/04/2026	12:29:42	0.995260	23.907.070	0.000000	0.000000
05/04/2026	12:29:43	0.995260	23.907.539	0.000000	0.000000
05/04/2026	12:29:44	0.995270	23.905.420	0.000000	0.000000
05/04/2026	12:29:45	0.995270	23.910.460	0.000000	0.000000
05/04/2026	12:29:46	0.995260	23.919.571	0.000000	0.000000
05/04/2026	12:29:47	0.995240	23.929.661	0.000000	0.000000
05/04/2026	12:29:48	0.995230	23.940.519	0.000000	0.000000
05/04/2026	12:29:49	0.995230	23.943.930	0.000000	0.000000
05/04/2026	12:29:50	0.995230	23.945.570	0.000000	0.000000
05/04/2026	12:29:51	0.995240	23.942.181	0.000000	0.000000
05/04/2026	12:29:52	0.995250	23.937.960	0.000000	0.000000
05/04/2026	12:29:53	0.995260	23.933.870	0.000000	0.000000

RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

05/04/2026	12:29:54	0.995260	23.933.161	0.000000	0.000000
05/04/2026	12:29:55	0.995270	23.933.109	0.000000	0.000000
05/04/2026	12:29:56	0.995270	23.934.160	0.000000	0.000000
05/04/2026	12:29:57	0.995270	23.937.611	0.000000	0.000000
05/04/2026	12:29:58	0.995270	23.938.789	0.000000	0.000000
05/04/2026	12:29:59	0.995280	23.935.341	0.000000	0.000000
05/04/2026	12:30:00	0.995290	23.930.149	0.000000	0.000000
05/04/2026	12:30:01	0.995300	23.925.900	0.000000	0.000000
05/04/2026	12:30:02	0.995310	23.922.939	0.000000	0.000000
05/04/2026	12:30:03	0.995320	23.920.919	0.000000	0.000000
05/04/2026	12:30:04	0.995330	23.919.500	0.000000	0.000000
05/04/2026	12:30:05	0.995330	23.918.039	0.000000	0.000000
05/04/2026	12:30:06	0.995340	23.919.201	0.000000	0.000000
05/04/2026	12:30:07	0.995330	23.925.051	0.000000	0.000000
05/04/2026	12:30:08	0.995320	23.932.211	0.000000	0.000000
05/04/2026	12:30:09	0.995320	23.937.281	0.000000	0.000000
05/04/2026	12:30:10	0.995320	23.937.981	0.000000	0.000000
05/04/2026	12:30:11	0.995320	23.935.310	0.000000	0.000000
05/04/2026	12:30:12	0.995340	23.930.849	0.000000	0.000000
05/04/2026	12:30:13	0.995350	23.925.240	0.000000	0.000000
05/04/2026	12:30:14	0.995360	23.922.480	0.000000	0.000000
05/04/2026	12:30:15	0.995370	23.920.990	0.000000	0.000000
05/04/2026	12:30:16	0.995370	23.918.671	0.000000	0.000000
05/04/2026	12:30:17	0.995380	23.915.960	0.000000	0.000000
05/04/2026	12:30:19	0.995390	23.911.539	0.000000	0.000000
05/04/2026	12:30:19	0.995400	23.904.970	0.000000	0.000000
05/04/2026	12:30:20	0.995420	23.901.609	0.000000	0.000000
05/04/2026	12:30:21	0.995430	23.897.751	0.000000	0.000000
05/04/2026	12:30:22	0.995430	23.898.861	0.000000	0.000000
05/04/2026	12:30:23	0.995430	23.901.690	0.000000	0.000000
05/04/2026	12:30:24	0.995420	23.906.500	0.000000	0.000000
05/04/2026	12:30:25	0.995420	23.912.201	0.000000	0.000000
05/04/2026	12:30:26	0.995410	23.916.460	0.000000	0.000000
05/04/2026	12:30:27	0.995410	23.922.501	0.000000	0.000000
05/04/2026	12:30:28	0.995400	23.926.060	0.000000	0.000000
05/04/2026	12:30:29	0.995400	23.932.470	0.000000	0.000000
05/04/2026	12:30:31	0.995400	23.934.999	0.000000	0.000000
05/04/2026	12:30:32	0.995410	23.931.240	0.000000	0.000000
05/04/2026	12:30:33	0.995420	23.928.650	0.000000	0.000000
05/04/2026	12:30:34	0.995420	23.927.481	0.000000	0.000000
05/04/2026	12:30:35	0.995430	23.926.701	0.000000	0.000000
05/04/2026	12:30:36	0.995430	23.927.280	0.000000	0.000000

RELATÓRIO TÉCNICO DE MEDIÇÃO : Nº RTM FM11016/0526

05/04/2026	12:30:37	0.995430	23.933.540	0.000000	0.000000
05/04/2026	12:30:38	0.995420	23.937.759	0.000000	0.000000
05/04/2026	12:30:39	0.995420	23.940.371	0.000000	0.000000
05/04/2026	12:30:40	0.995430	23.938.681	0.000000	0.000000
05/04/2026	12:30:41	0.995430	23.936.951	0.000000	0.000000
05/04/2026	12:30:42	0.995430	23.937.941	0.000000	0.000000
05/04/2026	12:30:43	0.995430	23.940.660	0.000000	0.000000
05/04/2026	12:30:44	0.995430	23.946.341	0.000000	0.000000
05/04/2026	12:30:45	0.995420	23.952.431	0.000000	0.000000
05/04/2026	12:30:46	0.995420	23.953.230	0.000000	0.000000
05/04/2026	12:30:47	0.995410	23.959.841	0.000000	0.000000
05/04/2026	12:30:48	0.995410	23.962.120	0.000000	0.000000
05/04/2026	12:30:49	0.995410	23.966.221	0.000000	0.000000
05/04/2026	12:30:50	0.995420	23.963.280	0.000000	0.000000
05/04/2026	12:30:51	0.995430	23.960.699	0.000000	0.000000
05/04/2026	12:30:52	0.995440	23.953.430	0.000000	0.000000
05/04/2026	12:30:53	0.995450	23.950.371	0.000000	0.000000
05/04/2026	12:30:54	0.995470	23.942.680	0.000000	0.000000
05/04/2026	12:30:55	0.995480	23.937.519	0.000000	0.000000
05/04/2026	12:30:56	0.995480	23.938.040	0.000000	0.000000
05/04/2026	12:30:57	0.995480	23.939.341	0.000000	0.000000
05/04/2026	12:30:58	0.995480	23.941.940	0.000000	0.000000
05/04/2026	12:30:59	0.995490	23.940.760	0.000000	0.000000
05/04/2026	12:31:00	0.995500	23.933.710	0.000000	0.000000
05/04/2026	12:31:01	0.995510	23.930.559	0.000000	0.000000
05/04/2026	12:31:02	0.995510	23.929.899	0.000000	0.000000
05/04/2026	12:31:03	0.995510	23.933.571	0.000000	0.000000
05/04/2026	12:31:04	0.995510	23.935.480	0.000000	0.000000
05/04/2026	12:31:05	0.995510	23.941.500	0.000000	0.000000
05/04/2026	12:31:06	0.995500	23.947.220	0.000000	0.000000
05/04/2026	12:31:07	0.995490	23.952.570	0.000000	0.000000
05/04/2026	12:31:08	0.995490	23.954.769	0.000000	0.000000
05/04/2026	12:31:09	0.995500	23.953.300	0.000000	0.000000
05/04/2026	12:31:10	0.995510	23.950.371	0.000000	0.000000
05/04/2026	12:31:11	0.995510	23.947.880	0.000000	0.000000
05/04/2026	12:31:12	0.995520	23.948.280	0.000000	0.000000
05/04/2026	12:31:13	0.995510	23.952.480	0.000000	0.000000
05/04/2026	12:31:14	0.995520	23.951.090	0.000000	0.000000
05/04/2026	12:31:15	0.995530	23.946.421	0.000000	0.000000
05/04/2026	12:31:16	0.995540	23.941.450	0.000000	0.000000
05/04/2026	12:31:17	0.995540	23.941.740	0.000000	0.000000
05/04/2026	12:31:19	0.995540	23.949.200	0.000000	0.000000

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05/04/2026	12:31:20	0.995520	23.964.340	0.000000	0.000000
05/04/2026	12:31:21	0.995520	23.960.970	0.000000	0.000000
05/04/2026	12:31:22	0.995540	23.956.779	0.000000	0.000000
05/04/2026	12:31:23	0.995540	23.957.331	0.000000	0.000000
05/04/2026	12:31:24	0.995540	23.960.320	0.000000	0.000000
05/04/2026	12:31:25	0.995530	23.964.130	0.000000	0.000000
05/04/2026	12:31:26	0.995530	23.967.230	0.000000	0.000000
05/04/2026	12:31:27	0.995520	23.973.970	0.000000	0.000000
05/04/2026	12:31:28	0.995530	23.973.709	0.000000	0.000000
05/04/2026	12:31:29	0.995530	23.971.069	0.000000	0.000000
05/04/2026	12:31:30	0.995550	23.962.400	0.000000	0.000000
05/04/2026	12:31:31	0.995560	23.959.410	0.000000	0.000000
05/04/2026	12:31:32	0.995550	23.963.390	0.000000	0.000000
05/04/2026	12:31:33	0.995550	23.967.180	0.000000	0.000000
05/04/2026	12:31:34	0.995550	23.971.821	0.000000	0.000000
05/04/2026	12:31:35	0.995540	23.975.439	0.000000	0.000000
05/04/2026	12:31:36	0.995560	23.965.710	0.000000	0.000000
05/04/2026	12:31:37	0.995580	23.960.030	0.000000	0.000000
05/04/2026	12:31:38	0.995590	23.954.121	0.000000	0.000000
05/04/2026	12:31:39	0.995580	23.961.920	0.000000	0.000000
05/04/2026	12:31:40	0.995580	23.964.809	0.000000	0.000000
05/04/2026	12:31:41	0.995580	23.965.851	0.000000	0.000000
05/04/2026	12:31:42	0.995580	23.961.559	0.000000	0.001720
05/04/2026	12:31:43	0.995540	23.957.420	5.654.900	0.070150
05/04/2026	12:31:44	0.995660	23.953.270	7.391.290	0.146760
05/04/2026	12:31:45	0.997100	23.945.259	7.824.460	0.334170
05/04/2026	12:31:46	1.004.180	24.040.640	7.818.340	0.445030
05/04/2026	12:31:47	1.009.490	24.140.030	7.785.860	0.535980
05/04/2026	12:31:48	1.014.840	24.275.419	7.754.410	0.710660
05/04/2026	12:31:49	1.014.890	25.719.801	7.727.040	0.839490
05/04/2026	12:31:50	1.014.020	26.885.330	7.713.530	0.923070
05/04/2026	12:31:51	1.012.610	28.449.610	7.705.300	1.115.760
05/04/2026	12:31:52	1.011.230	29.639.130	7.707.800	1.218.530
05/04/2026	12:31:53	1.008.900	31.280.750	7.973.750	1.303.050
05/04/2026	12:31:54	1.007.210	32.691.460	9.057.840	1.514.530
05/04/2026	12:31:55	1.005.990	33.635.990	9.141.490	1.659.200
05/04/2026	12:31:56	1.003.940	34.790.131	9.073.720	1.757.830
05/04/2026	12:31:57	1.002.300	35.569.920	9.015.720	1.953.560
05/04/2026	12:31:58	1.000.810	36.352.322	8.921.740	2.102.770
05/04/2026	12:31:59	0.999610	36.993.801	8.784.030	2.205.730
05/04/2026	12:32:01	0.998350	37.550.171	8.541.110	2.429.050
05/04/2026	12:32:02	0.996590	38.146.641	8.473.940	2.633.960

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05/04/2026	12:32:03	0.995460	38.340.530	8.482.910	2.824.640
05/04/2026	12:32:04	0.994320	38.464.409	8.488.160	2.966.110
05/04/2026	12:32:05	0.993710	38.444.340	8.474.770	3.058.000
05/04/2026	12:32:06	0.992990	38.415.939	8.474.250	3.262.770
05/04/2026	12:32:07	0.992520	38.296.310	8.486.080	3.390.010
05/04/2026	12:32:08	0.992320	38.110.222	8.480.250	3.481.900
05/04/2026	12:32:09	0.991990	37.847.160	8.469.800	3.672.450
05/04/2026	12:32:10	0.991360	37.727.051	8.499.880	3.821.010
05/04/2026	12:32:11	0.991320	37.325.390	8.494.410	3.906.000
05/04/2026	12:32:12	0.990780	36.970.680	8.486.000	4.118.170
05/04/2026	12:32:13	0.990050	36.799.782	8.545.850	4.231.910
05/04/2026	12:32:14	0.990220	36.236.698	8.567.050	4.331.810
05/04/2026	12:32:15	0.990210	35.737.469	8.563.100	4.538.840
05/04/2026	12:32:16	0.990240	35.504.639	8.560.460	4.674.380
05/04/2026	12:32:17	0.991030	34.910.870	8.565.270	4.760.070
05/04/2026	12:32:18	0.991370	34.494.270	8.545.550	4.952.520
05/04/2026	12:32:19	0.991610	34.147.770	8.548.510	5.094.940
05/04/2026	12:32:20	0.992090	33.706.871	8.555.060	5.187.600
05/04/2026	12:32:21	0.992320	33.405.499	8.541.640	5.394.190
05/04/2026	12:32:22	0.992530	33.153.419	8.544.170	5.522.310
05/04/2026	12:32:23	0.992800	32.917.961	8.543.120	5.614.860
05/04/2026	12:32:24	0.993230	32.577.808	8.659.910	5.815.920
05/04/2026	12:32:25	0.993440	32.394.539	8.694.830	5.960.690
05/04/2026	12:32:26	0.993760	32.230.751	8.731.400	6.047.920
05/04/2026	12:32:27	0.994900	31.998.030	8.783.840	6.252.330
05/04/2026	12:32:28	0.995800	31.871.420	8.846.410	6.384.810
05/04/2026	12:32:29	0.996360	31.833.700	8.894.370	6.488.350
05/04/2026	12:32:30	0.997280	31.834.930	8.958.400	6.712.160
05/04/2026	12:32:31	0.997870	31.832.809	8.932.530	6.838.780
05/04/2026	12:32:32	0.998070	32.000.511	9.009.540	6.936.050
05/04/2026	12:32:33	0.998380	32.251.579	9.059.510	7.139.650
05/04/2026	12:32:34	0.998570	32.368.210	9.044.260	7.290.450
05/04/2026	12:32:35	0.998540	32.645.840	9.105.230	7.388.900
05/04/2026	12:32:36	0.998540	33.006.199	9.159.760	7.610.020
05/04/2026	12:32:37	0.998460	33.178.230	9.152.820	7.739.800
05/04/2026	12:32:38	0.998220	33.475.689	9.153.560	7.846.560
05/04/2026	12:32:40	0.997900	33.840.950	9.162.570	8.075.580
05/04/2026	12:32:41	0.997620	34.152.260	9.193.590	8.305.120
05/04/2026	12:32:42	0.997160	34.484.402	9.157.270	8.519.140
05/04/2026	12:32:43	0.996950	34.689.659	9.104.460	8.655.910
05/04/2026	12:32:44	0.996770	34.801.708	9.097.090	8.762.030
05/04/2026	12:32:45	0.996540	35.034.111	9.071.800	8.981.520

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05/04/2026	12:32:46	0.996570	35.135.422	9.072.640	9.117.580
05/04/2026	12:32:47	0.996530	35.243.568	9.090.790	9.216.000
05/04/2026	12:32:48	0.996340	35.430.168	9.089.870	9.443.280
05/04/2026	12:32:49	0.996220	35.527.779	9.070.850	9.571.810
05/04/2026	12:32:50	0.996080	35.628.139	8.946.390	9.669.120
05/04/2026	12:32:51	0.995830	35.794.640	8.884.870	9.884.180
05/04/2026	12:32:52	0.995810	35.882.149	8.872.860	10.017.290
05/04/2026	12:32:53	0.995920	35.968.781	8.887.660	10.113.540
05/04/2026	12:32:54	0.996040	36.073.471	8.894.700	10.320.950
05/04/2026	12:32:55	0.996000	36.150.070	8.881.700	10.454.240
05/04/2026	12:32:56	0.995780	36.219.421	8.873.310	10.557.790
05/04/2026	12:32:57	0.995100	36.365.768	8.889.450	10.779.830
05/04/2026	12:32:58	0.994230	36.437.988	8.892.000	10.920.590
05/04/2026	12:32:59	0.993480	36.471.741	8.903.860	11.002.190
05/04/2026	12:33:00	0.992570	36.367.310	8.911.740	11.224.970
05/04/2026	12:33:01	0.991900	36.302.750	8.926.260	11.351.390
05/04/2026	12:33:02	0.991460	36.280.941	8.932.630	11.448.140
05/04/2026	12:33:03	0.991910	35.829.781	8.925.670	11.663.940
05/04/2026	12:33:04	0.992320	35.550.301	8.924.710	11.790.420
05/04/2026	12:33:05	0.992790	35.457.748	8.935.190	11.894.580
05/04/2026	12:33:06	0.993960	35.100.811	8.925.880	12.110.420
05/04/2026	12:33:07	0.994820	34.929.562	8.916.030	12.251.620
05/04/2026	12:33:08	0.995480	34.813.309	8.907.660	12.340.740
05/04/2026	12:33:09	0.996060	34.841.690	8.889.210	12.563.120
05/04/2026	12:33:10	0.996500	34.856.289	8.884.060	12.681.540
05/04/2026	12:33:11	0.996820	34.866.638	8.889.360	12.785.250
05/04/2026	12:33:12	0.996740	35.140.251	8.886.600	13.000.030
05/04/2026	12:33:13	0.996780	35.277.679	8.882.760	13.148.100
05/04/2026	12:33:14	0.996780	35.370.720	8.896.620	13.229.610
05/04/2026	12:33:15	0.996580	35.613.918	8.907.230	13.437.360
05/04/2026	12:33:16	0.996400	35.827.511	8.912.830	13.578.410
05/04/2026	12:33:17	0.996430	35.898.491	8.897.800	13.674.850
05/04/2026	12:33:18	0.996180	36.137.051	8.896.690	13.882.460
05/04/2026	12:33:19	0.996010	36.318.298	8.906.200	14.023.470
05/04/2026	12:33:20	0.995980	36.374.409	8.903.730	14.119.950
05/04/2026	12:33:21	0.995660	36.561.230	8.896.930	14.327.570
05/04/2026	12:33:22	0.995340	36.712.391	8.904.720	14.475.990
05/04/2026	12:33:23	0.995190	36.768.101	8.902.120	14.565.020
05/04/2026	12:33:24	0.994920	36.879.662	8.901.820	14.772.710
05/04/2026	12:33:25	0.994790	36.936.211	8.902.700	14.898.810
05/04/2026	12:33:26	0.994740	36.961.868	8.898.960	15.010.070
05/04/2026	12:33:28	0.994710	36.998.520	8.899.560	15.232.540



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05/04/2026	12:33:29	0.994670	37.050.381	8.894.150	15.455.020
05/04/2026	12:33:30	0.994630	37.087.799	8.889.290	15.677.300
05/04/2026	12:33:31	0.994630	37.108.879	8.891.910	15.803.290
05/04/2026	12:33:32	0.994640	37.120.098	8.879.080	15.899.510
05/04/2026	12:33:33	0.994610	37.156.799	8.889.730	16.121.639
05/04/2026	12:33:34	0.994600	37.179.890	8.887.920	16.247.589
05/04/2026	12:33:35	0.994590	37.193.619	8.886.080	16.343.809
05/04/2026	12:33:36	0.994520	37.226.101	8.894.430	16.551.310
05/04/2026	12:33:37	0.994470	37.253.490	8.859.100	16.691.771
05/04/2026	12:33:38	0.994420	37.261.532	8.867.610	16.787.781
05/04/2026	12:33:39	0.994370	37.275.551	8.889.130	17.002.460
05/04/2026	12:33:40	0.994310	37.291.302	8.862.220	17.128.111
05/04/2026	12:33:41	0.994250	37.296.692	8.870.620	17.231.541
05/04/2026	12:33:43	0.994200	37.304.241	8.880.440	17.453.541
05/04/2026	12:33:44	0.994190	37.295.849	8.859.230	17.675.051
05/04/2026	12:33:45	0.994190	37.280.800	8.870.350	17.874.559
05/04/2026	12:33:46	0.994190	37.267.570	8.862.210	18.022.320
05/04/2026	12:33:47	0.994150	37.269.009	8.861.470	18.118.311
05/04/2026	12:33:48	0.994090	37.260.181	8.873.310	18.340.059
05/04/2026	12:33:49	0.994050	37.254.398	8.873.230	18.480.530
05/04/2026	12:33:50	0.994020	37.254.230	8.864.050	18.561.810
05/04/2026	12:33:51	0.993990	37.246.819	8.866.890	18.768.669
05/04/2026	12:33:52	0.993990	37.233.360	8.865.960	18.916.430
05/04/2026	12:33:53	0.993990	37.222.561	8.864.910	19.005.100
05/04/2026	12:33:54	0.994030	37.198.219	8.859.200	19.219.219
05/04/2026	12:33:55	0.994050	37.178.391	8.863.610	19.359.510
05/04/2026	12:33:56	0.994080	37.162.022	8.868.860	19.448.200
05/04/2026	12:33:57	0.994140	37.137.169	8.870.020	19.662.519
05/04/2026	12:33:58	0.994170	37.122.311	8.863.640	19.802.891
05/04/2026	12:33:59	0.994180	37.121.422	8.864.510	19.891.541
05/04/2026	12:34:00	0.994190	37.121.609	8.862.670	20.105.721
05/04/2026	12:34:01	0.994190	37.116.879	8.870.290	20.246.130
05/04/2026	12:34:02	0.994190	37.117.439	8.871.950	20.334.850
05/04/2026	12:34:03	0.994180	37.115.650	8.865.340	20.556.530
05/04/2026	12:34:04	0.994150	37.118.179	8.861.530	20.689.480
05/04/2026	12:34:05	0.994120	37.120.819	8.864.760	20.778.120
05/04/2026	12:34:06	0.994080	37.121.899	8.865.100	20.984.980
05/04/2026	12:34:07	0.994040	37.117.809	8.862.870	21.125.311
05/04/2026	12:34:08	0.994010	37.118.992	8.875.920	21.221.411
05/04/2026	12:34:09	0.993960	37.120.998	8.871.440	21.435.921
05/04/2026	12:34:10	0.993940	37.111.431	8.870.890	21.568.991
05/04/2026	12:34:11	0.993920	37.103.901	8.855.640	21.664.949

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05/04/2026	12:34:12	0.993910	37.096.600	8.876.110	21.879.210
05/04/2026	12:34:13	0.993950	37.066.330	8.881.560	22.012.449
05/04/2026	12:34:14	0.993970	37.054.440	8.873.200	22.108.601
05/04/2026	12:34:16	0.994020	37.011.150	8.876.390	22.337.830
05/04/2026	12:34:17	0.994090	36.975.430	8.864.990	22.552.240
05/04/2026	12:34:18	0.994090	36.980.968	8.892.150	22.774.229
05/04/2026	12:34:19	0.994110	36.982.220	8.880.570	22.907.459
05/04/2026	12:34:20	0.994130	36.981.079	8.856.000	22.996.050
05/04/2026	12:34:21	0.994160	36.967.430	8.872.890	23.210.279
05/04/2026	12:34:22	0.994190	36.963.001	8.864.140	23.343.290
05/04/2026	12:34:23	0.994210	36.961.288	8.856.480	23.439.251
05/04/2026	12:34:24	0.994220	36.963.612	8.882.750	23.646.351
05/04/2026	12:34:25	0.994230	36.971.500	8.870.070	23.794.270
05/04/2026	12:34:26	0.994220	36.976.860	8.857.990	23.882.870
05/04/2026	12:34:27	0.994230	36.974.232	8.866.460	24.097.050
05/04/2026	12:34:28	0.994220	36.982.651	8.863.250	24.230.061
05/04/2026	12:34:29	0.994190	36.985.970	8.853.710	24.326.019
05/04/2026	12:34:31	0.994140	36.988.720	8.850.610	24.554.621
05/04/2026	12:34:32	0.994120	36.990.810	8.834.970	24.768.499
05/04/2026	12:34:33	0.994100	36.999.981	8.849.970	24.982.210
05/04/2026	12:34:34	0.994110	36.997.181	8.871.950	25.130.030
05/04/2026	12:34:35	0.994120	36.993.752	8.855.230	25.211.241
05/04/2026	12:34:36	0.994130	36.992.641	8.854.760	25.432.570
05/04/2026	12:34:37	0.994120	36.995.762	8.861.090	25.550.730
05/04/2026	12:34:38	0.994110	37.001.480	8.856.810	25.654.091
05/04/2026	12:34:40	0.994120	36.998.970	8.851.050	25.882.771
05/04/2026	12:34:41	0.994120	37.003.448	8.847.690	26.096.670
05/04/2026	12:34:42	0.994130	36.995.411	8.852.000	26.325.279
05/04/2026	12:34:43	0.994140	36.989.429	8.862.510	26.443.399
05/04/2026	12:34:44	0.994150	36.983.849	8.852.520	26.539.351
05/04/2026	12:34:45	0.994120	36.993.839	8.829.040	26.760.241
05/04/2026	12:34:46	0.994070	36.999.920	8.842.440	26.885.450
05/04/2026	12:34:47	0.994050	37.002.190	8.831.770	26.981.159
05/04/2026	12:34:48	0.994030	37.000.851	8.835.120	27.194.530
05/04/2026	12:34:49	0.994030	36.994.221	8.842.730	27.334.520
05/04/2026	12:34:50	0.994040	36.989.399	8.840.100	27.422.939
05/04/2026	12:34:51	0.994040	36.982.559	8.842.860	27.629.200
05/04/2026	12:34:52	0.994040	36.973.030	8.844.750	27.769.251
05/04/2026	12:34:53	0.994040	36.968.288	8.842.940	27.865.040
05/04/2026	12:34:54	0.994050	36.957.329	8.852.670	28.064.260
05/04/2026	12:34:55	0.994050	36.950.890	8.837.980	28.211.630
05/04/2026	12:34:56	0.994040	36.945.541	8.837.390	28.307.360

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05/04/2026	12:34:58	0.994030	36.947.941	8.846.450	28.535.810
05/04/2026	12:34:58	0.994030	36.947.189	8.836.730	28.653.669
05/04/2026	12:34:59	0.994030	36.943.790	8.833.620	28.749.350
05/04/2026	12:35:01	0.994050	36.932.590	8.833.100	28.970.261
05/04/2026	12:35:01	0.994060	36.922.489	8.831.120	29.102.720
05/04/2026	12:35:02	0.994080	36.907.791	8.842.350	29.191.111
05/04/2026	12:35:03	0.994070	36.907.051	8.843.490	29.404.850
05/04/2026	12:35:04	0.994050	36.916.809	8.838.800	29.537.390
05/04/2026	12:35:05	0.994030	36.924.740	8.844.370	29.633.190
05/04/2026	12:35:07	0.994020	36.930.031	8.848.680	29.861.660
05/04/2026	12:35:08	0.994010	36.929.031	8.847.890	30.082.790
05/04/2026	12:35:09	0.994000	36.936.359	8.843.270	30.303.961
05/04/2026	12:35:10	0.993980	36.950.699	8.841.830	30.421.881
05/04/2026	12:35:11	0.993980	36.950.668	8.843.230	30.525.030
05/04/2026	12:35:13	0.994000	36.942.070	8.845.240	30.746.130
05/04/2026	12:35:14	0.994030	36.921.379	8.049.390	30.948.629
05/04/2026	12:35:15	0.993990	36.913.200	7.930.320	31.140.890
05/04/2026	12:35:16	0.993010	36.906.540	7.552.490	31.269.140
05/04/2026	12:35:17	0.991790	36.851.631	7.138.650	31.341.330
05/04/2026	12:35:18	0.990260	36.801.369	6.815.730	31.496.241
05/04/2026	12:35:19	0.989560	36.781.181	6.768.000	31.603.510
05/04/2026	12:35:20	0.990800	36.311.161	6.758.050	31.676.769
05/04/2026	12:35:21	0.993250	35.894.569	6.758.070	31.840.080
05/04/2026	12:35:22	0.994770	35.702.290	6.845.560	31.947.901
05/04/2026	12:35:23	0.995470	35.677.792	6.955.640	32.023.060
05/04/2026	12:35:24	0.996000	35.670.761	6.990.400	32.174.358
05/04/2026	12:35:25	0.996190	35.650.841	6.992.080	32.290.909
05/04/2026	12:35:26	0.995660	35.806.648	6.995.220	32.366.680
05/04/2026	12:35:27	0.994790	36.032.890	7.003.960	32.535.889
05/04/2026	12:35:28	0.994270	36.170.010	7.010.060	32.641.041
05/04/2026	12:35:29	0.994100	36.201.450	7.011.660	32.716.999
05/04/2026	12:35:30	0.993930	36.237.820	7.012.890	32.886.471
05/04/2026	12:35:31	0.993830	36.268.478	7.016.710	32.997.551
05/04/2026	12:35:32	0.993820	36.251.789	7.017.200	33.073.570
05/04/2026	12:35:33	0.993820	36.230.179	7.025.350	33.249.130
05/04/2026	12:35:34	0.993810	36.213.692	7.024.010	33.342.781
05/04/2026	12:35:35	0.993840	36.184.280	7.025.370	33.418.892
05/04/2026	12:35:36	0.993880	36.147.179	7.032.060	33.582.920
05/04/2026	12:35:37	0.993900	36.127.449	7.031.230	33.705.959
05/04/2026	12:35:38	0.993930	36.100.639	7.031.830	33.776.272
05/04/2026	12:35:39	0.993970	36.069.260	7.035.000	33.940.392
05/04/2026	12:35:40	0.994010	36.051.868	7.035.480	34.045.929



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05/04/2026	12:35:41	0.994040	36.034.081	7.032.730	34.122.120
05/04/2026	12:35:43	0.994080	36.019.032	7.037.240	34.303.871
05/04/2026	12:35:44	0.994100	36.016.869	7.035.700	34.479.759
05/04/2026	12:35:45	0.994130	36.011.311	7.038.980	34.632.259
05/04/2026	12:35:46	0.994170	35.998.150	7.035.560	34.755.360
05/04/2026	12:35:47	0.994180	35.993.519	7.031.250	34.831.539
05/04/2026	12:35:48	0.994190	35.989.590	7.044.830	35.001.709
05/04/2026	12:35:49	0.994190	35.991.650	7.046.360	35.107.422
05/04/2026	12:35:50	0.994190	35.993.671	7.043.040	35.177.849
05/04/2026	12:35:51	0.994180	35.995.880	7.053.530	35.336.460
05/04/2026	12:35:52	0.994180	35.996.269	7.054.010	35.459.888
05/04/2026	12:35:53	0.994190	35.995.121	7.052.700	35.536.301
05/04/2026	12:35:55	0.994180	35.996.651	7.055.890	35.712.681
05/04/2026	12:35:56	0.994190	35.990.730	7.056.860	35.883.228
05/04/2026	12:35:57	0.994190	35.989.731	7.060.040	36.053.810
05/04/2026	12:35:58	0.994170	35.997.551	7.069.270	36.165.661
05/04/2026	12:35:59	0.994160	36.004.620	7.069.760	36.236.389
05/04/2026	12:36:00	0.994150	36.007.099	7.058.340	36.412.941
05/04/2026	12:36:01	0.994160	36.003.960	7.064.310	36.512.981
05/04/2026	12:36:02	0.994160	36.002.281	7.070.310	36.589.561
05/04/2026	12:36:04	0.994190	35.988.739	7.066.630	36.772.171
05/04/2026	12:36:05	0.994220	35.965.988	7.073.890	36.942.982
05/04/2026	12:36:06	0.994230	35.959.591	7.073.320	37.102.169
05/04/2026	12:36:07	0.994210	35.967.781	7.072.220	37.214.149
05/04/2026	12:36:08	0.994190	35.979.420	7.073.350	37.296.669
05/04/2026	12:36:09	0.994170	35.990.421	7.075.570	37.473.530
05/04/2026	12:36:10	0.994150	35.995.789	7.078.200	37.573.780
05/04/2026	12:36:11	0.994140	36.000.969	7.079.690	37.650.490
05/04/2026	12:36:12	0.994120	36.000.351	7.078.930	37.821.571
05/04/2026	12:36:13	0.994120	35.996.780	7.081.620	37.933.681
05/04/2026	12:36:14	0.994120	35.990.700	7.079.280	38.004.478
05/04/2026	12:36:15	0.994130	35.983.891	7.078.060	38.181.450
05/04/2026	12:36:16	0.994120	35.983.238	7.080.290	38.281.738
05/04/2026	12:36:17	0.994110	35.984.711	7.092.420	38.358.540
05/04/2026	12:36:19	0.994110	35.978.191	7.079.810	38.541.599
05/04/2026	12:36:20	0.994100	35.968.330	7.084.030	38.712.700
05/04/2026	12:36:21	0.994110	35.955.170	7.088.100	38.883.961
05/04/2026	12:36:22	0.994110	35.940.029	7.085.230	38.990.219
05/04/2026	12:36:23	0.994120	35.932.529	7.096.080	39.067.081
05/04/2026	12:36:24	0.994140	35.912.239	7.086.810	39.244.431
05/04/2026	12:36:25	0.994130	35.904.259	7.085.010	39.344.769
05/04/2026	12:36:26	0.994120	35.903.370	7.095.690	39.421.600

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05/04/2026	12:36:27	0.994110	35.897.129	7.091.880	39.593.040
05/04/2026	12:36:28	0.994090	35.891.762	7.088.190	39.705.280
05/04/2026	12:36:29	0.994090	35.882.080	7.087.820	39.776.161
05/04/2026	12:36:30	0.994100	35.864.071	7.092.320	39.947.521
05/04/2026	12:36:31	0.994090	35.856.491	7.090.770	40.059.780
05/04/2026	12:36:32	0.994090	35.850.441	7.091.130	40.130.692
05/04/2026	12:36:33	0.994090	35.830.349	7.099.890	40.308.071
05/04/2026	12:36:34	0.994090	35.815.811	7.096.670	40.414.520
05/04/2026	12:36:35	0.994070	35.813.049	7.090.240	40.485.458
05/04/2026	12:36:36	0.994070	35.798.130	7.095.330	40.662.762
05/04/2026	12:36:37	0.994070	35.785.671	7.097.270	40.763.290
05/04/2026	12:36:38	0.994060	35.777.569	7.095.610	40.840.160
05/04/2026	12:36:39	0.994070	35.758.701	7.098.400	41.005.749
05/04/2026	12:36:40	0.994060	35.744.541	7.100.280	41.124.088
05/04/2026	12:36:41	0.994060	35.738.190	7.101.320	41.195.099
05/04/2026	12:36:42	0.994060	35.716.671	7.102.480	41.366.730
05/04/2026	12:36:43	0.994070	35.693.668	7.107.520	41.473.320
05/04/2026	12:36:44	0.994050	35.690.250	7.108.720	41.550.331
05/04/2026	12:36:45	0.993980	35.673.470	7.115.550	41.728.180
05/04/2026	12:36:46	0.993880	35.653.358	7.123.830	41.834.999
05/04/2026	12:36:47	0.993760	35.644.840	7.138.170	41.906.342
05/04/2026	12:36:48	0.993500	35.597.778	7.160.260	42.085.129
05/04/2026	12:36:49	0.993230	35.546.322	7.185.060	42.192.829
05/04/2026	12:36:50	0.992930	35.514.519	7.209.050	42.264.839
05/04/2026	12:36:51	0.992550	35.385.399	7.263.840	42.439.980
05/04/2026	12:36:52	0.992120	35.256.939	7.326.080	42.549.641
05/04/2026	12:36:53	0.991810	35.169.041	7.367.970	42.629.311
05/04/2026	12:36:54	0.991480	34.917.210	7.428.930	42.808.392
05/04/2026	12:36:55	0.991280	34.670.731	7.467.150	42.926.521
05/04/2026	12:36:56	0.991000	34.502.079	7.501.390	43.007.690
05/04/2026	12:36:58	0.990950	34.142.830	7.538.420	43.195.919
05/04/2026	12:36:58	0.990930	33.814.770	7.564.750	43.303.020
05/04/2026	12:36:59	0.990780	33.660.461	7.580.800	43.378.780
05/04/2026	12:37:01	0.990900	33.190.060	7.609.550	43.581.459
05/04/2026	12:37:02	0.990960	32.675.369	7.626.980	43.765.480
05/04/2026	12:37:03	0.991060	32.335.110	7.669.290	43.937.740
05/04/2026	12:37:04	0.991280	31.947.140	7.660.050	44.059.090
05/04/2026	12:37:05	0.991440	31.682.779	7.655.040	44.141.998
05/04/2026	12:37:07	0.991530	31.366.421	7.690.630	44.340.401
05/04/2026	12:37:08	0.991920	30.802.481	7.728.940	44.533.291
05/04/2026	12:37:09	0.991970	30.533.171	7.761.850	44.714.161
05/04/2026	12:37:10	0.992160	30.225.260	7.777.620	44.837.269

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05/04/2026	12:37:11	0.992250	30.008.110	7.791.870	44.921.650
05/04/2026	12:37:12	0.992300	29.738.331	7.808.910	45.110.260
05/04/2026	12:37:13	0.992470	29.440.100	7.818.280	45.227.501
05/04/2026	12:37:14	0.992490	29.239.731	7.822.080	45.305.710
05/04/2026	12:37:15	0.992510	29.105.869	7.827.910	45.488.258
05/04/2026	12:37:16	0.992880	28.730.110	7.840.480	45.618.881
05/04/2026	12:37:17	0.992940	28.600.080	7.859.700	45.703.991
05/04/2026	12:37:18	0.993020	28.416.880	7.839.570	45.887.081
05/04/2026	12:37:19	0.993390	28.087.049	7.846.210	46.004.719
05/04/2026	12:37:20	0.993440	27.974.791	7.861.550	46.089.851
05/04/2026	12:37:22	0.993490	27.751.110	7.861.780	46.286.400
05/04/2026	12:37:23	0.993890	27.461.889	7.864.420	46.489.429
05/04/2026	12:37:24	0.993960	27.335.711	7.861.270	46.666.340
05/04/2026	12:37:25	0.994140	27.156.090	7.855.350	46.797.241
05/04/2026	12:37:26	0.994270	27.032.120	7.859.110	46.882.370
05/04/2026	12:37:28	0.994320	26.930.670	7.863.200	47.078.941
05/04/2026	12:37:29	0.994610	26.679.720	7.862.020	47.268.902
05/04/2026	12:37:31	0.994660	26.587.469	7.848.100	47.471.790
05/04/2026	12:37:31	0.994800	26.462.650	7.842.590	47.582.909
05/04/2026	12:37:32	0.994860	26.378.401	7.840.960	47.667.850
05/04/2026	12:37:33	0.994940	26.323.191	7.847.790	47.844.410
05/04/2026	12:37:34	0.995060	26.215.441	7.838.090	47.968.540
05/04/2026	12:37:35	0.995100	26.170.210	7.843.340	48.053.501
05/04/2026	12:37:37	0.995170	26.094.500	7.396.390	48.249.142
05/04/2026	12:37:38	0.995270	25.968.081	7.268.000	48.431.179
05/04/2026	12:37:39	0.995410	25.914.520	7.270.740	48.588.699
05/04/2026	12:37:40	0.995720	25.861.349	7.266.520	48.709.808
05/04/2026	12:37:41	0.995950	25.815.439	7.263.530	48.794.552
05/04/2026	12:37:42	0.996130	25.772.480	7.269.880	48.970.211
05/04/2026	12:37:43	0.996150	25.770.769	7.363.930	49.077.789
05/04/2026	12:37:44	0.996180	25.780.109	2.644.820	49.118.111
05/04/2026	12:37:45	0.996010	25.788.630	0.000000	49.133.900
05/04/2026	12:37:46	0.995920	25.807.711	0.000000	49.133.900
05/04/2026	12:37:47	0.995870	25.823.780	0.000000	49.133.900
05/04/2026	12:37:48	0.995840	25.837.210	0.000000	49.133.900
05/04/2026	12:37:49	0.995750	25.893.160	0.000000	49.133.900
05/04/2026	12:37:50	0.995670	25.955.420	0.000000	49.133.900
05/04/2026	12:37:52	0.995560	26.005.350	0.000000	49.133.900
05/04/2026	12:37:53	0.995400	26.103.609	0.000000	49.133.900
05/04/2026	12:37:54	0.995320	26.156.420	0.000000	49.133.900
05/04/2026	12:37:55	0.995230	26.212.999	0.000000	49.133.900
05/04/2026	12:37:56	0.995170	26.246.861	0.000000	49.133.900

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05/04/2026	12:37:57	0.995100	26.291.000	0.000000	49.133.900
05/04/2026	12:37:58	0.995050	26.322.161	0.000000	49.133.900
05/04/2026	12:37:59	0.994980	26.366.360	0.000000	49.133.900
05/04/2026	12:38:00	0.994920	26.402.731	0.000000	49.133.900
05/04/2026	12:38:01	0.994880	26.428.570	0.000000	49.133.900
05/04/2026	12:38:02	0.994830	26.462.370	0.000000	49.133.900

Pré aquecimento de 130 segundos via controle eletrônico remoto.

Tempo de banho configurado via software de 300 segundos.

Alarme sonoro do controle eletrônico remoto informa o desligamento do aquecedor.

CONCLUSÃO DO RELATÓRIO TÉCNICO DE MEDIÇÃO

Os ensaios realizados nos pontos de consumo hídrico demonstraram as limitações operacionais e o desperdício inerente ao modelo de aquecimento convencional, servindo como base comparativa para a validação das melhorias propostas pelo sistema Revolushower (p. 2).

1. Latência e Desperdício Hídrico Inicial (Tempo de Espera)

- **Retardo térmico acentuado:** Com o sistema convencional, a água iniciou o fluxo a temperatura de 27,33 °C (p. 5) e levou cerca de 60 segundos para ultrapassar a barreira dos 37°C (p. 6).
Com o sistema “Revolushower” a água iniciou o fluxo a temperatura de 25°C (p. 49), e levou cerca de 10 segundos para ultrapassar a barreira dos 37°C (p. 49).
- **Volume de descarte:** Durante o tempo de estabilização do sistema convencional, foram descartados mais de 10 litros de água fria/morna antes que o fluxo atingisse níveis caloríficos confortáveis, enquanto que, com o sistema “Revolushower”, foram descartados cerca de 1,5 litros (p. 69).

2. Instabilidade Térmica e Impacto de Demandas Simultâneas

- **Vulnerabilidade a perturbações:** No teste do sistema convencional, nota-se alta sensibilidade a interferências externas com flutuação de 20°C (pp. 26, 43). O Sistema “Revolushower” mostrou-se eficiente a essas interferências, com flutuação de 5°C (pp. 46, 70).



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- **Queda abrupta de temperatura:** Ao abrir uma demanda paralela na residência (como a torneira da cozinha), o fluxo hídrico sofreu um severo distúrbio, fazendo a temperatura despencar em poucos segundos (p. 43).
- **Demanda de reajuste:** A estabilidade térmica só foi parcialmente recuperada após o fechamento da torneira interferente (p. 43), evidenciando que o sistema convencional não possui mecanismos autônomos rápidos para mitigar variações de temperatura e vazão em tempo real (pp. 1-2).

3. Ganhos de Instalação e Controle

- **Praticidade:** A montagem do dispositivo Revolushower é realizada de forma sobreposta diretamente no ponto de consumo em série com a ducha, levando apenas 30 minutos e sem demandar quebra de parede ou reformas estruturais (p. 2).
- **Gestão de Consumo:** O sistema Revolushower introduz a capacidade de programar e limitar o tempo total do banho diretamente via software/aplicativo, criando uma barreira ativa contra o desperdício de energia e água no pós-aquecimento (pp. 1-2).

4. Considerações Finais

Os dados apresentados ratificam que o sistema convencional gera um desperdício hídrico e energético contínuo a cada início de ciclo de uso (p. 2). Além disso, a falta de assistência automatizada para a estabilidade térmica prejudica o conforto do usuário devido às oscilações bruscas de temperatura provocadas por outros pontos de consumo na planta hidráulica do apartamento (pp. 1, 3) e o sistema Revolushower diminui esse desperdício hídrico em $\approx 85\%$, detem de maior estabilidade térmica e controle do banho.

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