



TEMPRITE CO2 SIZING CHART: 130 Series & 922 - 925R Series

Temprite 920R Series Capacities in kW For Subcritical Carbon Dioxide (R744) 44.8 bar Maximum Pressure				
Model	922R	923R	924R	925R
Connection Size	5/8"	7/8"	1-1/8"	1-3/8"
Temp °C				
+4.4	70.6 kW	98.1	176.1	267.9
-6.7	47.1	65.4	117.5	178.8
-12.2	37.6	52.2	93.8	142.7
-17.8	30.2	42.0	75.4	114.7
-23.3	23.9	33.2	59.6	90.6
-28.9	18.7	25.9	46.5	70.8
-34.4	14.4	20.0	35.9	54.6
-40.0	10.8	15.1	27.0	41.5

Temprite 130 Series Capacities in kW For Transcritical Carbon Dioxide (R744) 130 bar Maximum Pressure				
Model	131	133A	135A	137A
Connection Size	1/4" NPT*	1/2" NPT*	3/4" NPT*	1-1/4" NPT*
Temp °C				
+14.7	19.8 kW	33.0	120.0	330.0
+9.7	18.1	30.2	110.0	302.0
-5.0	11.5	19.2	70.0	192.0
-6.7	11.2	18.7	68.5	188.0
-12.2	9.1	15.2	55.4	151.9
-17.8	6.6	11.1	40.4	110.7
-23.3	3.9	6.6	24.2	66.1
-28.9	2.3	3.9	14.2	39.4

Temprite 920R Series Capacities in TONS For Subcritical Carbon Dioxide (R744) 650 PSI Maximum Pressure				
Model	922R	923R	924R	925R
Connection Size	5/8"	7/8"	1-1/8"	1-3/8"
Temp °F				
+40	20.1 Tons	27.9	50.1	76.2
+20	13.4	18.6	33.4	50.8
+10	10.7	14.8	26.7	40.6
0	8.6	11.9	21.4	32.6
-10	6.8	9.4	16.9	25.8
-20	5.3	7.4	13.2	20.1
-30	4.1	5.7	10.2	15.5
-40	3.1	4.3	7.7	11.6

Temprite 130 Series Capacities in TONS For Transcritical Carbon Dioxide (R744) 1885 PSI Maximum Pressure				
Model	131	133A	135A	137A
Connection Size	1/4" NPT*	1/2" NPT*	3/4" NPT*	1-1/4" NPT*
Temp °F				
+58	5.6 Tons	9.4	34.1	98.3
+50	5.1	8.6	31.3	85.9
+23	3.3	5.5	19.9	54.6
+20	3.2	5.3	19.5	53.4
+10	2.6	4.3	15.8	43.2
0	1.9	3.2	11.5	31.5
-10	1.1	1.9	6.9	18.8
-20	0.7	1.1	4.0	11.2

* Customer specified: Butt Weld or Male Pipe Thread

CO₂ Series Footnotes:

1. Note: For applications other than reciprocating compressors, (scroll, screw type, 2-stage) please contact Temprite engineering.
2. Do not use a separator with smaller connections than the discharge line size.