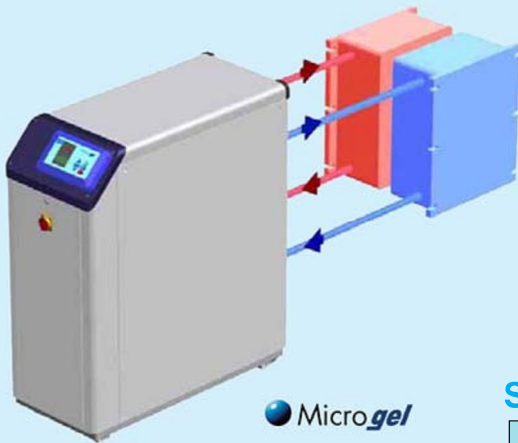
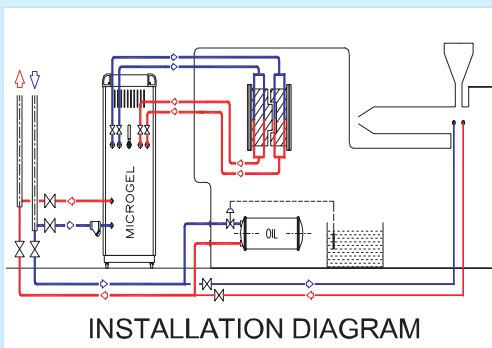


Microgel Chiller

RCD Microgel : Two Zone Chillers



Microgel



RCD : RCM Water Chiller

Features

- The **Microgel RCD** units are two zone compact water cooled chillers
- Plastic injection molding, blow-moulding, thermoforming other processes where heat regulation is required with operating temperatures of minimum -5°C (40°F) and maximum $+90^{\circ}\text{C}$ (195°F).
- The use of three separate pump, two dedicated to the respective process and one for internal circulation guarantees the maximum flow rate to the process and optimises the cooling circuit operation and reliability.
- An integrated automatic free-cooling system allows high energy savings to be achieved in the periods when it is possible to exploit the environment temperature for the cooling.
- Electronic controller with microprocessor with easy-to-use immediate interface, fitted with self diagnosis for complete management of the machine.

Standard specifications

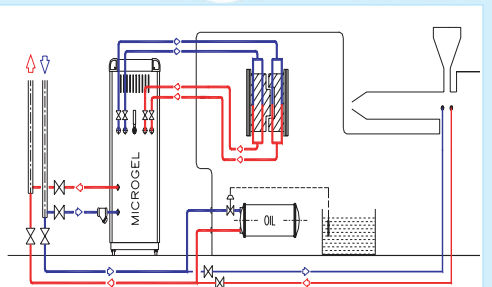
Model	Cooling Capacity (*) kW	Heating Capacity kW	Compressor HP	Evaporator Pump kW	Process Pumps Standard (**)					Process Pumps High Pressure Optional (**)					Total Max Load Values			Sound Level @ 10 m. dB (A)	Process Connections In.	Cooling Connections In.	Width x Depth - L x P cm	Height - H cm	Empty Weight Kg			
					Power kW	Flow Rate m ³ /hr	Pressure bar	Max Flow m ³ /hr	Max Pressure bar	Min Pressure bar	Power kW	Flow Rate m ³ /hr	Pressure bar	Max Flow m ³ /hr	Max Pressure bar	Min Pressure bar	With Standard Pumps kW							A	With High Pressure Pumps kW	
																										With Standard Pumps A
40/12	7.3	10.5	3	0.37	0.75	3.1	2.7	6.6	3.0	1.9	1.5	3.1	5.0	9.0	5.1	3.6	13.9	23	15.4	26	40	1"	1"	45x91	111	200
60/12	10.5	14.6	4	0.51	1.50	4.5	3.1	15.0	3.1	2.3	2.2	6.9	4.8	12.6	5.2	3.9	15.4	26	15.4	26	40	1"	1"	45x91	111	255
80/12	16.1	21.5	6	0.71	2.2	6.9	2.9	15.0	3.1	2.3	2.2	6.9	4.8	12.6	5.2	3.9	15.4	26	17.2	30	40	1"	1"	45x91	111	260
100/24	20.4	27.5	7.5	0.91	3.0	8.8	3.5	15.0	3.8	2.8	2.2	8.8	4.6	12.6	5.2	3.9	28.2	46	29.0	48	40	1"1/2	1"	54x121	142	360
130/24	26.7	35.5	10	1.21	3.0	11.5	3.2	15.0	3.8	2.8	3.0	11.5	5.1	12.6	6.2	4.9	28.2	46	30.6	49	40	1"1/2	1"	54x121	142	370
150/24	31.7	42.5	12	1.51	3.0	13.6	2.9	15.0	3.8	2.8	3.0	12.6	4.9	12.6	6.2	4.9	28.2	46	30.6	50	40	1"1/2	1"	54x121	142	400
180/24	34.2	45.5	13.5	1.71	3.0	14.7	2.8	15.0	3.8	2.8	3.0	12.6	4.9	12.6	6.2	4.9	29.9	51	32.2	54	40	1"1/2	1"	54x121	142	450
220/48	41.9	55.5	15	2.11	4.0	18.0	3.7	42.0	3.9	2.5	5.5	18.0	4.4	50.0	4.5	2.7	56.9	89	59.9	93	44	1"1/2	1"	95x185	147	625
300/48	55.8	74.5	20	2.81	4.0	24.0	3.5	42.0	3.9	2.5	7.5	24.0	5.4	50.0	5.7	3.8	56.9	90	63.9	102	44	1"1/2	1"	95x185	147	695
350/48	69.8	93.5	25	3.61	7.5	30.0	3.8	72.0	3.9	2.6	7.5	30.0	5.1	50.0	5.7	3.8	66.6	112	66.6	111	44	1"1/2	1"	95x185	147	795
450/48	89.1	118.5	30	4.51	7.5	38.3	3.6	72.0	3.9	2.6	11	38.3	5.5	86.0	5.7	3.9	72.3	121	88.3	134	44	1"1/2	1"	95x185	147	915

[*] Capacity with process water temperature = 10°C DeltaT = 2°C , cooling water temperature = 35°C , 2 bar
 [**] Unit with two process pumps - Data for each pump. - Supply : 400 Volt ± 5% - 50Hz

RCM Microgel : Single Zone Chillers



Microgel



Standard specifications

Model	Cooling Capacity (*) kW	Heating Capacity kW	Compressor HP	Evaporator Pump kW	Process Pumps Standard (**)					Process Pumps High Pressure Optional (**)					Total Max Load Values			Sound Level @ 10 m. dB (A)	Process Connections In.	Cooling Connections In.	Width x Depth - L x P cm	Height - H cm	Empty Weight Kg			
					Power kW	Flow Rate m ³ /hr	Pressure bar	Max Flow m ³ /hr	Max Pressure bar	Min Pressure bar	Power kW	Flow Rate m ³ /hr	Pressure bar	Max Flow m ³ /hr	Max Pressure bar	Min Pressure bar	With Standard Pumps kW							A	With High Pressure Pumps kW	
																										With Standard Pumps A
18/6	3.8	5.1	1.5	-	0.45	1.6	2.8	3.0	4.2	0.8	-	-	-	-	-	-	6.5	10	-	39	1/2"	1/2"	36x59	84	123	
40/6	7.3	10.5	3	0.37	0.75	3.1	2.7	6.6	3.0	1.9	1.5	3.1	5.0	9.0	5.1	3.6	7.1	12	7.9	14	39	1"	1"	45x91	111	185
60/6	10.5	14.6	4	0.51	1.50	4.5	3.1	15.0	3.1	2.3	2.2	6.9	4.8	12.6	5.2	3.9	7.9	14	7.9	14	39	1"	1"	45x91	111	210
80/6	16.1	21.5	6	0.71	2.2	6.9	2.9	15.0	3.1	2.3	2.2	6.9	4.8	12.6	5.2	3.9	8.3	14	9.0	16	40	1"	1"	45x91	111	220
100/12	20.4	27.5	7.5	0.91	3.0	8.8	3.5	15.0	3.8	2.8	2.2	8.8	4.6	12.6	5.2	3.9	14.4	24	14.8	25	40	1"1/2	1"	54x121	142	305
130/12	26.7	35.5	10	1.21	3.0	11.5	3.2	15.0	3.8	2.8	3.0	11.5	5.1	12.6	6.2	4.9	14.4	24	15.6	26	40	1"1/2	1"	54x121	142	320
150/12	31.7	42.5	12	1.51	3.0	13.6	2.9	15.0	3.8	2.8	3.0	12.6	4.9	12.6	6.2	4.9	14.4	24	15.6	26	40	1"1/2	1"	54x121	142	345
180/12	34.2	45.5	13.5	1.71	3.0	14.7	2.8	15.0	3.8	2.8	3.0	12.6	4.9	12.6	6.2	4.9	16.1	29	17.3	31	40	1"1/2	1"	54x121	142	400
220/24	41.9	55.5	15	2.11	4.0	18.0	3.7	42.0	3.9	2.5	5.5	18.0	4.4	50.0	4.5	2.7	26.9	46	30.4	48	44	1"1/2	1"	95x185	147	565
300/24	55.8	74.5	20	2.81	4.0	24.0	3.5	42.0	3.9	2.5	7.5	24.0	5.4	50.0	5.7	3.8	28.9	47	32.4	53	44	1"1/2	1"	95x185	147	635
350/24	69.8	93.5	25	3.61	7.5	30.0	3.8	72.0	3.9	2.6	7.5	30.0	5.1	50.0	5.7	3.8	35.1	62	35.1	62	44	1"1/2	1"	95x185	147	735
450/24	89.1	118.5	30	4.51	7.5	38.3	3.6	72.0	3.9	2.6	11	38.3	5.5	86.0	5.7	3.9	40.8	72	44.3	78	44	1"1/2	1"	95x185	147	855

[*] Capacity with process water temperature = 10°C DeltaT = 2°C , cooling water temperature = 35°C , 2 bar
 [**] Unit with two process pumps - Data for each pump. - Supply : 400 Volt ± 5% - 50Hz