



## Chillers provide precise control over the water-chilling process and pharmaceutical & medical chilling plants

When medical equipment runs, it generates a lot of heat, and pharmaceutical & medical chillers remove this heat so that the machine doesn't have to shut down to chill off. Medical chillers keep many types of medical equipment cool enough to function appropriately.

- ♣ High efficiency, easy maintenance, accurate capacity control, the system uses the latest asymmetric rotor tooth profile, built-in differential pressure oil lubrication system, low vibration, Low noise, high sealing performance.
- ♣ full touch screen with human-machine interface, to achieve fully automated control, precise monitoring unit running in the best condition. Unit waterproof, dust-proof, corrosion-resistant, long life. Grading or non-polar energy control to ensure that the unit under any load to maximize the energy-saving effect.
- ♣ high efficiency unit operation, heat exchanger with a heat transfer bellows, high efficiency compressor equipped with efficient expansion throttling device to ensure the stability of the unit lasting and efficient operation.
- ♣ The chiller has a full range of protection devices: compressor start-up, over-current relay protection, compressor motor over temperature protection, anti-freeze protection, sight glass, oil heating protection, compressor phase protection, high / low voltage protection Gas high-temperature protection, safety valve, easy plug, cut-off protection

### Specifications of Water cooled chiller:

Water Cooled Screw Chiller												
Model		MG-30W	MG-40W	MG-50W	MG-60W	MG-70W	MG-75W	MG-85W	MG-90W	MG-100W	MG-110W	
Cooling capacity	0°C	kw	67.8	92.5	121.3	132.1	161.1	176.8	208.3	220.1	240.8	260.7
	-5°C	kw	55.7	76	99.7	108.5	132.3	145.2	171.1	180.8	197.8	214.1
	-10°C	kw	45.4	61.9	81.2	88.5	107.8	118.3	139.4	147.3	161.2	174.5
Power supply		3PH-380V-50Hz										
Refrigerant	Type	R22										
	Control	Thermostatic expansion valve										
Compressor	Type	Semi-hermetic screw										
	Power supply(kw)	21.4	28.2	35.4	38.8	47.2	51.4	57.9	60.9	67	68.8	
	Start	Y-△										



Capacity control			25-50-75-100 (%) or 25-100 (%)									
Evaporator	Type		Shell and tube									
	Water flow(m³/h)	0°C	11.6	15.9	20.8	22.6	27.6	30.3	35.7	37.7	41.3	44.7
		-5°C	9.5	13	17.1	18.6	22.7	24.9	29.3	31	33.9	36.7
		-10°C	7.8	10.6	13.9	15.2	18.5	20.3	23.9	25.3	27.6	29.9
Dia.of inlet/outlet(inch)		DN50	DN65	DN80	DN80	DN80	DN80	DN100	DN100	DN100	DN100	
Condenser	Type		Shell and tube									
	Water flow(m³/h)		16.8	22.8	29.5	32.2	39.3	43	50.2	53	58	62.1
	Dia.of inlet/outlet(inch)		DN50	DN65	DN80	DN80	DN80	DN80	DN100	DN100	DN100	DN100
Protection System			Compressor overheat protection, high/low pressure protection, phase missing/sequence protection, flow rate protection, anti-frozen protection.									
Dimension	L	mm	2300	2300	2500	2500	2500	2800	3200	3200	3500	3500
	W	mm	750	750	750	750	800	800	800	800	900	900
	H	mm	1500	1500	1500	1500	1500	1500	1500	1500	1500	1800
Noise(dB)			73.1	73.7	74.8	78.4	79	79.2	79.5	80.4	80.4	83.1
Weight(kg)			660	700	800	975	1000	1150	1250	1400	1600	1750
Model			MG-120W	MG-140W	MG-150W	MG-160W	MG-170W	MG-175W	MG-200W	MG-220W	MG-240W	MG-280W
Cooling capacity	0°C	kw	287	341.5	360.6	394.8	427.6	444	517.1	567.9	606.3	683.4
	-5°C	kw	235.7	280.5	296.2	324.3	351.1	364.7	424.7	466.4	498	561.2
	-10°C	kw	192.1	228.6	241.4	264.3	286.2	297.2	346.2	380.1	405.9	457.5
Power supply			3PH-380V-50Hz									
Refrigerant	Type		R22									
	Control		Thermostatic expansion valve									
Compressor	Type		Semi-hermetic screw									
	Power supply(kw)		81.3	88.8	93.8	108.1	109.4	120	138.3	153.4	162.9	183.2
	Start		Y-△									



Capacity control		25-50-75-100 (%) or 25-100 (%)										
Evaporator	Type		Shell and tube									
	Water flow(m³/h)	0°C	49.2	58.5	61.8	67.7	73.3	76.1	88.6	97.4	103.9	117.2
		-5°C	40.4	48.1	50.8	55.6	60.2	62.5	72.8	80	85.4	96.2
		-10°C	32.9	39.2	41.4	45.3	49.1	50.9	59.3	65.2	69.6	78.4
Dia.of inlet/outlet(inch)		DN100	DN125	DN125	DN125	DN150	DN150	DN150	DN150	DN150	DN150	DN150
Condenser	Type		Shell and tube									
	Water flow(m³/h)		69.5	81.1	85.7	94.8	101.3	106.4	123.6	136	145	163.4
	Dia.of inlet/outlet(inch)		DN100	DN125	DN125	DN125	DN150	DN150	DN80*2	DN100*2	DN125*2	DN125*2
Protection System		Compressor overheat protection, high/low pressure protection, phase missing/sequence protection, flow rate protection, anti-frozen protection.										
Dimension	L	mm	3500	3800	3800	3800	4000	4000	4000	4000	4000	4000
	W	mm	900	900	1200	1200	1200	1200	1200	1200	1200	1200
	H	mm	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Noise(dB)			83.1	84.2	85.2	86.3	86.6	86.9	87.1	87.3	87.6	88.4
Weight(kg)			1750	1850	2000	2000	2200	2200	2400	2400	2400	2400

**If you have any requirements, pls feel free to let me know. we must give you a best offer.**

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**Water chiller working system**



**Our customer site:**

