



CHILLER

Sustainable **Cold Solutions**

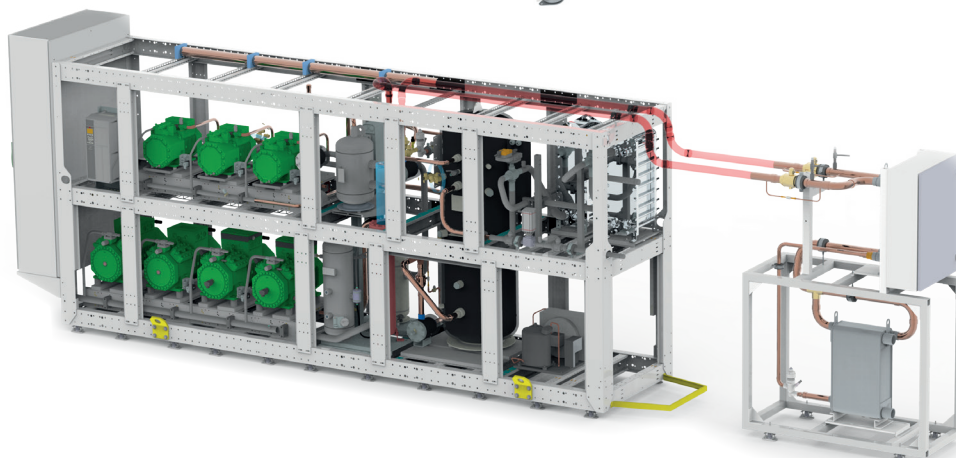
CO₂ chillers



COMMERCIAL CHILLER



INDUSTRIAL CHILLER



CHILLER MODULE

BEIJER REF

We know the art of achieving
a perfect temperature.

Eng

Model	#Compressor Nc	Performance Data			
		Q ₀ [kW]	Propylene Glycol 38%	Brine mass flow [m ³ /h]	ΔP [kPa]
-11/+37°C (92bar)					
MWT 2x178 CMT	2	73,0	-4 / -8°C	17,2	68,5
MWT 2x260 CMT	2	110,0	-4 / -8°C	26,2	68,2
MWT 2x300 CMT	2	128,0	-4 / -8°C	29,7	145
MWT 3x260 CMT	3	160,0	-4 / -8°C	36,6	92
MWT 3x300 CMT	3	185,0	-4 / -8°C	42,3	68
MWT 300+2x380 CMT	3	215,0	-4 / -8°C	49,2	71
MWT 4x300 CMT	4	242,0	-4 / -8°C	54,9	66,7
MWT 300+3x380 CMT	4	285,0	-4 / -8°C	65,15	63
MWT 300+4x380 CMT	5	358,0	-4 / -8°C	81,4	64,4
MWT 300+5x380 CMT	6	425,0	-4 / -8°C	97,15	70

Suitable for Glycols and non corrosive brines.

STD EQUIPMENT

- Coalescent high efficiency oil separator
- Oil reservoir with minimum level switch
- Replaceable oil filter strainer
- Electronic oil level regulator for each compressor
- Flooded evaporator PHE with surge drum and oil rectification system
- Suction superheater PHE (GC_{out}/Suction) + 3 way modulating bypass valve
- Suction filter strainer
- Danfoss controller
- Common discharge manifold for PRV
- Full factory tested and programmed
- Design pressure: 120 / 80 bar

OPTIONAL

- TW and SH heat recovery + 3 way bypass valve
- Water cooled gas cooler
- Hot gas injection on suction side
- PNC solution
- Walk – In enclosure for outdoor installation
- PS 130 bar /80 bar
- Carel control
- Energy meter

Model	#Compressor Nc	Performance Data			
		Q ₀ [kW]	CaCl ₂ 25%	Brine mass flow [m ³ /h]	ΔP [kPa]
-14/+33°C (85bar)					
MWT3x380IMT	3	229,2	-8 / -11°C	78,3	34
MWT260+3x380IMT	4	272,0	-8 / -11°C	91,9	39
MWT4x380IMT	4	303,0	-8 / -11°C	102,0	44
MWT260+4x380IMT	5	351,0	-8 / -11°C	119,1	52
MWT5x380IMT	5	377,0	-8 / -11°C	127,8	58
MWT6x380IMT	6	451,0	-8 / -11°C	153,3	75

Suitable for CaCl₂, ammonia-water and other industrial brines.

STD EQUIPMENT

- Coalescent high efficiency oil separator
- Oil reservoir with minimum level switch
- Replaceable oil filter strainer
- Electronic oil level regulator for each compressor
- Industrial flooded evaporator with surge drum (on separate frame) and oil rectification system
- Suction superheater PHE (GC_{out}/Suction) + 3 way modulating bypass valve
- Suction filter strainer
- Danfoss controller
- Common discharge manifold for PRV
- Full factory tested and programmed
- Design pressure: 120 / 60bar

OPTIONAL

- TW and SH heat recovery + 3 way bypass valve
- Water cooled gas cooler
- Parallel compressor
- Vapour ejector
- Hot gas injection on suction side
- PS 130 bar /60 bar
- Carel control
- Energy meter

Model	Evaporator informations					Frame dimensions			Power supply	Weight
	@-12°C SST MPG 38% -4/-8°C	Brine mass flow	Pressure drop	Water Connections		Lenght	Width	Height		
	[kW]	[m ³ /h]	[kPa]	Type	[inch]	[mm]	[mm]	[mm]	[V/Ph/Hz]	[kg]
CM S 52-70	25	5.96	41	Threaded ext	1 1/4"	1165	605	1850	230/1/50	169
CM S 112-60	50	11.93	55	Threaded ext	2 1/2"	1165	605	1850	230/1/50	171
CM S 112-90	75	17.9	55	Threaded ext	2 1/2"	1165	605	1850	230/1/50	182
CM S 112-110	100	23.8	63	Threaded ext	2 1/2"	1165	605	1850	230/1/50	190
CM M 112-150	125	29.8	63	Threaded ext	2 1/2"	1375	605	1950	230/1/50	237
CM M 112-160	150	35.8	76	Threaded ext	2 1/2"	1375	605	1950	230/1/50	239
CM L 112-190	175	41.7	64	Flanged PN16	4"	1500	900	1950	230/1/50	389
CM L 112-210	200	47.7	67	Flanged PN16	4"	1500	900	1950	230/1/50	358
CM L 212-160	250	59.6	54	Flanged PN16	4"	1500	900	1950	230/1/50	440

Direct expansion
chiller module

Modular, compact and
easy to install also in
existing plant

Wide range of
capacity from 25 to
250 kW

Suitable for all
non-corrosive brine

Carel and Danfoss
controller available

