

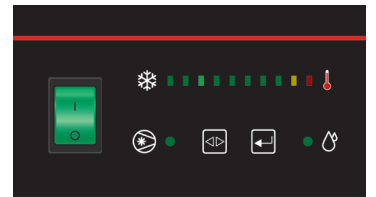
# REFRIGERATED COMPRESSED AIR DRYERS.

## CDRM SERIES

The CAPS CDRM series dryers are ideal for compressed air systems to deliver reliable protection against moisture. CAPS has worked in conjunction with a world renowned compressed air dryer manufacturer to develop this range of dryers that caters for your needs.

### KEY FEATURES

- Optimized for hot and humid climate.
- Stainless steel brazed plate heat exchangers optimize heat transfer and service life. Separator / re-heater and evaporator combined into one compact efficiency unit.
- Reheat circuit – reduces the amount of heat rejection to the ambient air.
- Improved ventilation with up-flow cooling air design.
- Low pressure drop reduces power consumption and operating costs.
- Easy to install package that saves time and money.
- User friendly digital control / display.



## HOW IT WORKS

Warm, saturated compressed air enters the air to air heat exchanger and is cooled by the exiting air. The pre-cooled air then enters the air to refrigerant heat exchanger and is further chilled causing water vapour to condense.

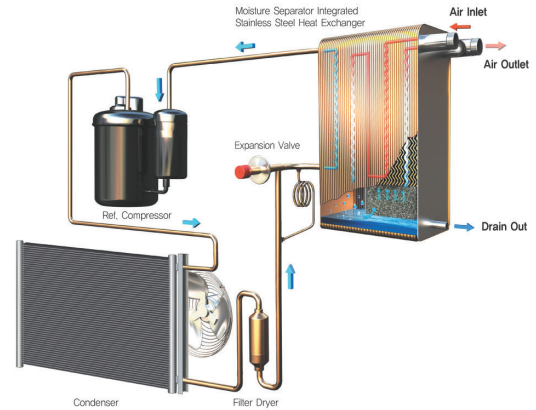
Condensed moisture is collected from the air stream by an integral separator with stainless steel demister.

Liquid condensate is removed from the separator by an automatic drain. Cold air is then reheated in the air to air heat exchanger to eliminate pipe sweating.

Pairs up with the correct in-line filters will provide high quality compressed air for your application.

## OPERATING CONDITIONS

- Inlet air temperature: 4 - 65°C
- Ambient temperature: 4 - 50°C
- Max inlet pressure: 16bar.g
- Minimum inlet pressure: 3bar.g
- Electrical requirements: 220 ~ 240V-1PH-50Hz



## CAPS REFRIGERATED AIR DRYERS TECHNICAL DATA

MODEL	FLOW CAPACITY		UNIT KW	INLET/OUTLET CONNECTIONS (INCHES)	APPROX WEIGHT	DIMENSIONS (MM)			REFRIGERANT
	MC/MIN	CFM				HEIGHT	WIDTH	DEPTH	
CDRM85	2.46	86	0.52	1	50	641	363	881	R-134A
CDRM110	3.17	111	0.59	1	52	641	363	881	R-134A
CDRM150	4.34	153	0.71	2	67	761	443	931	R-407C
CDRM240	6.94	245	1.36	2	77	761	443	1031	R-407C
CDRM370	10.69	377	2	2	97	811	493	1111	R-407C
CDRM450	12.99	458	2.38	2	100	811	493	1111	R-407C
CDRM530	15.30	540	2.66	2	128	811	553	1211	R-407C

## CAPS CORRECTION FACTORS

(MAX OPERATING PRESSURE = 16 BARG)

Table 1 = Pressure Correction

Inlet Air Pressure (Bar g)	6	7	8	9	10	11	12	13	16
Correction Factor	0.92	1.00	1.03	1.07	1.09	1.10	1.12	1.18	1.23

Table 2 = Inlet Air Temperature Correction

Inlet Air Temp (°C)	35	40	45	50	55	60	65
Correction Factor	1.00	1.00	0.94	0.87	0.72	0.61	0.52

Table 3 = Ambient Air Temperature Correction

Ambient Air Temp (°C)	25	30	35	40	43	50
Correction Factor	1.00	0.88	0.83	0.63	0.50	0.38