

REFRIGERATED COMPRESSED AIR DRYERS.

CDRS SERIES

The CDRS Series is the latest innovation in the CAPS dryer range. This worldwide patented product features a simplified, super quiet and reliable refrigeration circuit with low operating costs. It is ideal for main air systems or as a point-of-use dryer.

STATIC CONDENSER WITH NO COOLING FAN

- No maintenance required.
- Super quiet operations.
- Lowest operating costs.
- Worldwide patented design.
- Robust design and compact size.

UNIQUE REFRIGERANT COOLING SYSTEM

- Electronically controlled condensate drain.
- Comes complete with strainer to reduce clogging.
- Excellent dew point performance under all conditions.
- Corrosion resistant heat exchanger.



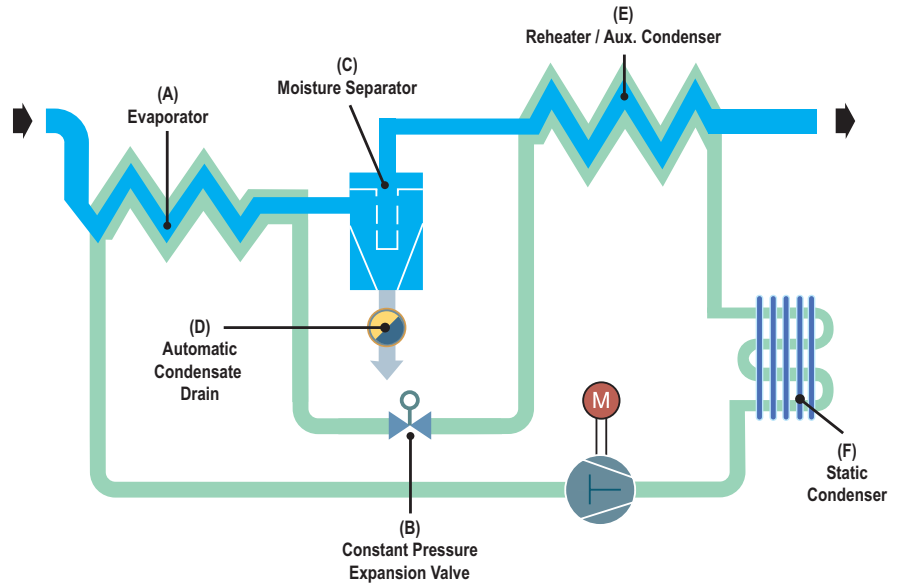
HOW IT WORKS

The unique air to refrigerant reheating system is energy saving through waste heat recovery. There is no condensate on the outlet pipe and the constant pressure expansion valve ensures no freeze-ups.

The CDRS Series is perfect for indoor installations (for example, in hospitals where low noise is important).

OPERATING CONDITIONS

- Operating inlet air temperature: 4 - 60°C (max)*
- Operating ambient air temperature: 2 - 43°C (max)*
- Operating inlet pressure: 2 - 16 bar(g) (max)
- Electrical requirements: 230V-1PH-50Hz



CAPS REFRIGERATED AIR DRYERS TECHNICAL DATA

MODEL	FLOW CAPACITY		UNIT (KW)	INLET/OUTLET CONNECTIONS (INCHES)	APPROX WEIGHT (KG)	DIMENSIONS (MM)			REFRIGERANT	UNIT RLA
	M3/MIN	CFM				HEIGHT	WIDTH	DEPTH		
CDRS15	0.5	17	0.24		20	382	320	320	R-134A	1.3
CDRS25	1	35	0.34	3/4	32	568	368	394	R-134A	2.2
CDRS35	1.33	47	0.42	3/4	32	568	368	394	R-134A	2.3
CDRS50	1.67	59	0.58	3/4	44	568	500	500	R-134A	3.0

CAPACITY CORRECTION FACTORS

PRESSURE CORRECTION

Inlet Air Pressure	bar(g)	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction Factor		0.80	0.88	0.95	1.00	1.03	1.06	1.08	1.10	T	1.13	1.14	1.15	1.16

INLET AIR TEMPERATURE CORRECTION

Inlet Air Temp	(°C)	30	35	40	45	50	55	60
Correction Factor		1.21	1.00	0.82	0.68	0.57	0.46	0.39

AMBIENT AIR TEMPERATURE CORRECTION

Ambient Air Temp	(°C)	25	30	35	40	45
Correction Factor		1.00	0.94	0.88	0.83	0.73

Flow rates and performance based on 25°C ambient, 35°C inlet, 6.9 bar(g) (100 psig), 3°C pressure dew point. Specifications subject to change without notice. For detailed specifications and options available, please contact CAPS.

*Please consult your CAPS Sales Engineer before operating beyond this range.