

FR Series Refrigerated Compressed Air Dryers



FR020A
2.4 m³/min
(84.8 cfm)

FR010A
1.2 m³/min
(42.4 cfm)

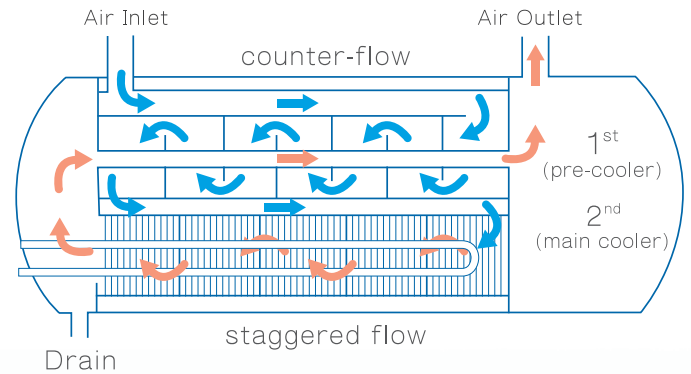
FR005A
0.6 m³/min
(21.2 cfm)

FR050A
7.0 m³/min
(247 cfm)

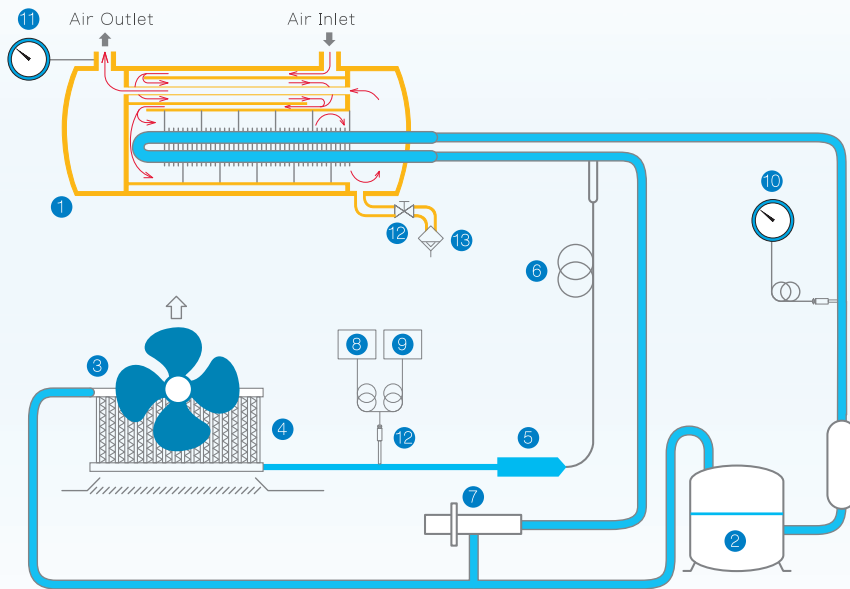
FR030A
4.4 m³/min
(155 cfm)

Air-cooled refrigerant dryers

- Performance rated for the Australian climate
- Manufactured to ISO 9001 quality standards
- High efficiency stainless steel heat exchanger
- Unobstructed low pressure loss air flow path
- Auto condensate drain with isolation valve
- Fan-forced air cooled refrigerant condenser
- Standard 240 Volt electrical plug connection
- Corrosion resistant chassis and enclosure



System Flow Chart



- 1 HEAT EXCHANGER
- 2 COMPRESSOR
- 3 FAN MOTOR
- 4 AIR-COOLED CONDENSER
- 5 LINE FILTER
- 6 CAPILLARY TUBE
- 7 MODULATION VALVE
- 8 HIGH PRESSURE PROTECTION SWITCH
- 9 PRESSURE SWITCH (fan)
- 10 PRESSURE GAUGE (evaporating pressure)
- 11 PRESSURE GAUGE (air outlet)
- 12 BALL VALVE
- 13 CONDENSATE DRAIN VALVE

SPECIFICATIONS		FR005A	FR010A	FR020A	FR030A	FR050A
Air Flow Capacity	m ³ /min (cfm)	0.6 (21.2)	1.2 (42.4)	2.4 (84.8)	4.4 (155)	7.0 (247)
Compressor Size Guide	kW (hp)	4 (5.5)	7.5 (10)	15 (20)	22 (30)	37 (50)
Inlet Air Temperature	°C	35 Nominal / 50 Maximum				
Ambient Temperature	°C	32 Nominal / 40 Maximum				
Dew Point	°C	2~10 @ 700 kPa (102 psi)				
Air Pressure	kPa (psi)	700 (102) Nominal / 1,000 (145) Maximum				
Refrigerant		R134a			R407C	
Power Consumption	kW	0.33	0.55	0.8	0.8	1.6
Electrical Power Supply		240 Volt / 1-Phase / 50 Hz / 10 Amp				
Pipe Connections	BSP	1/2"	1/2"	1"	1"	1-1/2"
Height	mm	478	542	705	705	966
Width	mm	377	722	797	797	944
Depth	mm	490	423	423	440	490
Weight	kg	22	34	42	42	70

Phone: 02 47212766

Fax: 02 47212866

Email: info@airmatics.com.au

www.airmatics.com.au



4/19 Penrith Street
Penrith NSW 2750

Specifications subject to change without notice. 04-2010.