



FR Series Refrigerant Compressed Air Dryers

Unique Features

- Performance rated for the Australian climate
- High efficiency stainless steel heat exchanger
- Unobstructed low pressure loss air flow path
- Fan-forced air cooled refrigerant condenser
- Auto condensate drain with isolation valve
- Industrial grade R134a or R407C refrigerant
- Standard 240 Volt plug and play connection
- · Corrosion resistant chassis and enclosure
- Auto capacity control and protection functions
- Manufactured to ISO 9001 quality standards

Installation

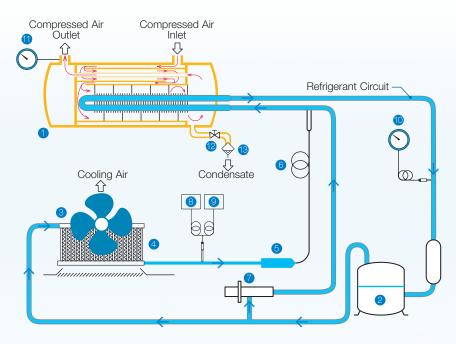
A refrigerant dryer should normally be installed downstream from the compressor and air receiver. It is also recommended to install a compressed air pre-filter upstream of the dryer to prevent build up of dirt and oil contaminants inside the heat exchanger.

Warranty

Fusheng refrigerant dryers are covered by a 2-year warranty against faulty materials and workmanship.

System Flow Chart

1	Heat Exchanger
_2	Refrigerant Compressor
3	Electric Cooling Fan
_4	Air-Cooled Condenser
5	Filter / Strainer
6	Capillary Tube
7	Capacity Control Valve
8	High Pressure Protection Switch
9	Fan Control Pressure Switch
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	m³/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	°C 2 Nominal / 10 Maximum @ 700 kPa (102 psi)					
Air Pressure	kPa (psi)	700 (102) Nominal / 1,000 (145) Maximum					
Refrigerant		R134a			R407C		
Power Consumption	kW	0.25	0.4	0.6	0.8	1.6	
Electrical Power Supply		240 Volt / 1-Phase / 50 Hz / 10 Amp					
Pipe Connections	BSP	1/2"	3/4"	1"	1"	1-1/2"	
Height	mm	478	543	705	705	984	
Width	mm	377	722	797	797	944	
Depth	mm	490	423	423	440	490	
Weight	kg	22	34	42	42	70	



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