



# 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

# System Flow Chart

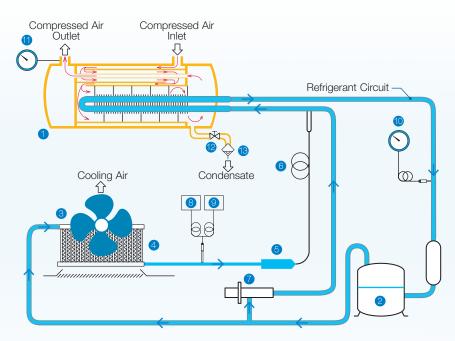
1 Hea	t Exchanger
2 Refri	igerant Compressor
3 Elec	tric Cooling Fan
4 Air-C	Cooled Condenser
5 Filter	r / Strainer
6 Capi	illary Tube
7 Cap	acity Control Valve
8 High	Pressure Protection Switch
9 Fan	Control Pressure Switch
10 Pres	sure Gauge (Evaporating Pressure)
11 Pres	sure Gauge (Air Outlet)
12 Ball	Valve
13 Con	densate Drain Valve

#### 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.



## 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	2 Nominal / 10 Maximum @ 700 kPa (102 psi)					
Air Pressure	kPa (psi)	700 (102) Nominal / 1,000 (145) Maximum					
Refrigerant		R134a R407C				)7C	
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	

274 Welshpool Road Welshpool WA 6106 Australia Phone: (08) 9333 4940

email: info@nesscopressure.com.au web: www.nesscopressure.com.au



Your local authorized Fusheng dealer:

