

# RDF Series

Non-Cycling Refrigerated Dryer



ECO-FRIENDLY



# Efficiency Under Pressure

## Industries Served



RDF 10-480 Series



# Features & Benefits

## Condenser Fan | Coils



Generous sizing of the condenser unit ensures maximum performance of the refrigerant circuit and the ability to operate with changes in ambient conditions quickly. Access to the condenser for cleaning and maintenance is simple.

## Performance



RDF dryers achieve excellent performance even in instances of high ambient (115°F) and high inlet temperatures (130°F), maintaining a low humidity.

## Programmable Controller



Operation of the RDF dryer series is monitored by DMC15 programmable controller, which indicates the DewPoint temperature digitally, controls the condensate drain valve via a timer, and the condenser fan with a temperature probe.

## Refrigeration Compressor



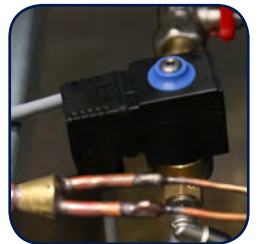
The circulation of the refrigerant in the cooling system is done through the highly efficient refrigerant compressor. Thanks to its innovative construction, this has reduced energy consumption and increased reliability levels.

## Pressure Switch Control

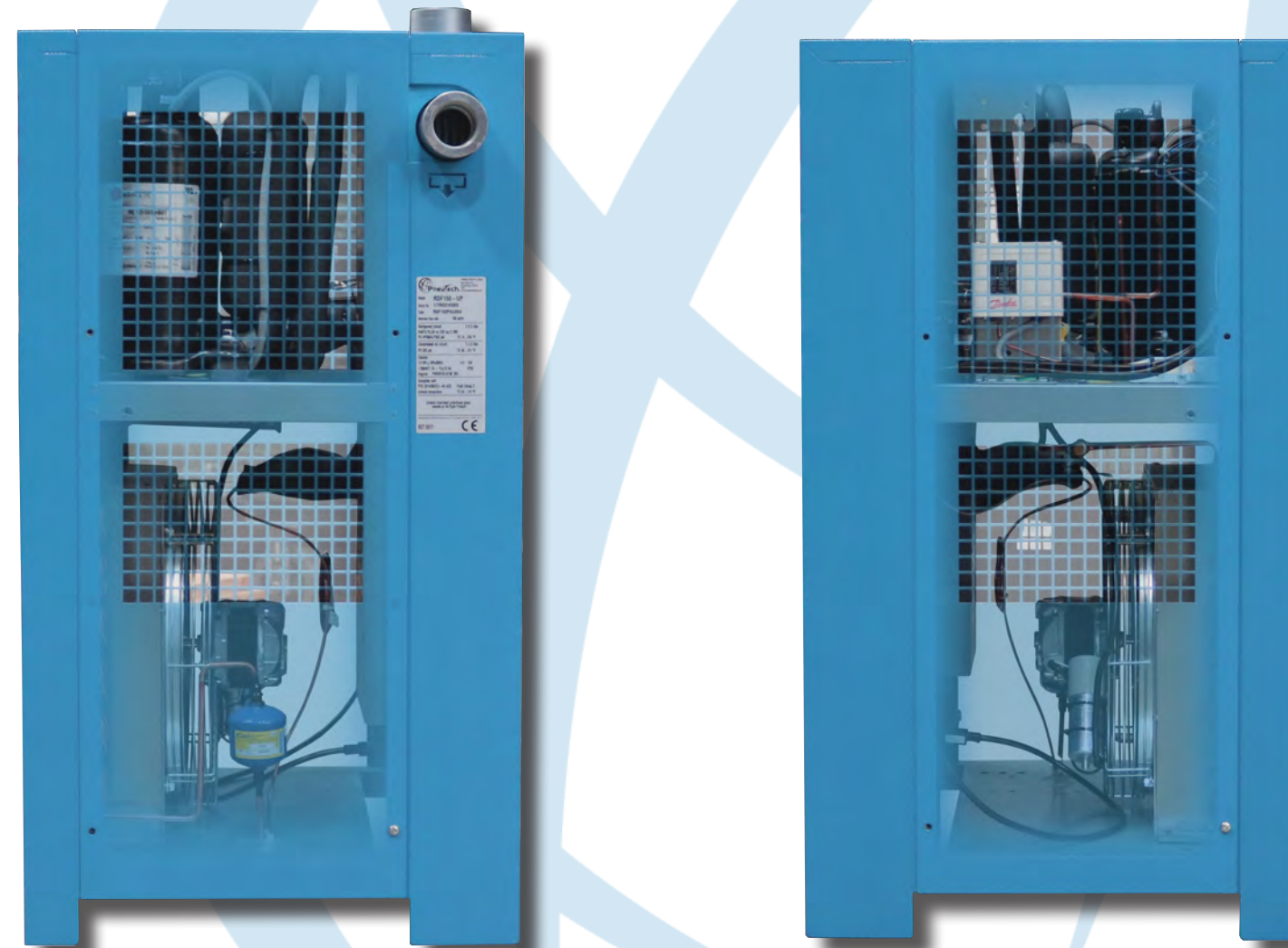


The evaporator fan, high pressure shut down, and low pressure shut down are activated by standard Danfoss pressure switches.

## Condensate Drain

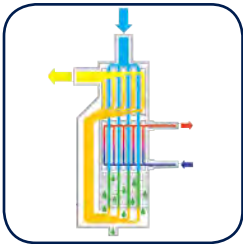


RDF dryers are equipped with an electronic drain valve which is controlled by the programmable controller. Not only does the controller ensure timely draining of the condensation, but also allows for easy programming and one-touch testing of the drain valve.



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# More Features...



### Vertical Heat Exchanger Design

The ALU-DRY aluminum heat exchanger module has a vertical flow layout, ensuring the wet compressed air flows down and moisture is pulled by gravity to the automatic drain. The design of this heat exchanger can handle much higher temperatures than most competitive designs.



### Servicability

With an average Phillips screw driver, the panel protecting the major components of the refrigerated dryer slides off, meaning that servicing is not complex and less costly.



### Single Point Condensate Drain

All RDF models come with a single point condensate connection. This 1/4" connection makes it easy when connecting it to your condensate management system.



# Specifications

Model	CFM	HP Rating	NPT	Voltage (3ph)	Dimensions (in) (LxWxH)	Weight
RDF-10- NC- 116	10	3	3/8	115/1/60	13x14x18	47
RDF-20- NC- 116	20	5	1/2	115/1/60	15x21x19	56
RDF-35- NC- 116	35	10	1/2	115/1/60	15x21x19	58
RDF-50- NC- 116	50	15	1/2	115/1/60	15x21x19	62
RDF-75- NC- 116	75	20	1	115/1/60	15x21x19	71
RDF-100- NC- 116	100	25	1	115/1/60	14x17x30	75
RDF-125- NC- 116	125	30	1-1/4	115/1/60	14x18x30	86
RDF-150- NC- 116	150	35	1-1/4	115/1/60	14x18x30	89
RDF-175- NC- 116	175	40	1-1/4	115/1/60	20x18x33	109
RDF-220- NC- 216	220	50	1-1/2	220/1/60	22x23x35	120
RDF-300- NC- 216	300	60	1-1/2	220/1/60	22x23x35	124
RDF-375- NC- 216	375	75	2	220/1/60	22x25x39	208
RDF-480- NC- 216	480	100	2	220/1/60	22x25x39	212

#### Correcting factor for operating changes

Inlet air pressure (PSI)	60	80	100	120	140	160	180	203
Factor	0.79	0.91	1.00	1.07	1.13	1.18	1.23	1.27

#### Correcting factor for ambient temperature changes

Ambient Temperature (°F)	≤80	90	95	100	105	110	113
Factor	1.10	1.07	1.04	1.00	0.93	0.83	.70

#### Correcting factor for inlet air temperature changes

Air temperature (°F)	≤90	100	110	120	131
Factor	1.11	1.00	0.80	0.65	0.53

#### Correcting factor for operating changes

Dew Point (°F)	38	41	45	50
Factor	0.92	1.00	1.07	1.25



# Pneu-Assure



*5 year warranty on  
all major components\**

- ✓ Parts and labor warranty for 1 year  
(excludes regular maintenance)
- ✓ 5 year warranty on major components including:
  - ✓ Airend,
  - ✓ Oil Sump Tank,
  - ✓ Electric Motor(s),
  - ✓ Air Coolers,
  - ✓ and Oil Coolers
- ✓ Guaranteed full support from your certified distributor
- ✓ Global technical experience leading to a well-rounded point of view on machines and industry standards



\*Warranty subject to change based on region and distributor's agreement.

\*\*Warranty is only valid providing a PneuTech approved service technician does the maintenance on the compressor.

# Why PneuTech?

*Personal Service  
Technical Support  
Customer Satisfaction  
Reliable  
Receptive & Adaptable  
Ethical  
Industry Experienced  
Global*

You are the number one priority when you partner with a PneuTech. Your goals are our goals because your success is our success. Your experience is superior when partnering with PneuTech because of quality products and personal service. You want efficiency, reliability and versatility with the supply of air compressors and all associated equipment - so that's what we strive for.



**PneuTech**<sup>TM</sup>  
GROUP

United States  
United Kingdom  
Australia  
New Zealand

# Other PneuTech Products...



## *RK-VSD 15-75 Compressors*

The RK-VSD series has an energy efficient VFD inverter that gives you unlimited motor starts per hour, consistent discharge pressure, soft motor starts, 15% turndown, and reduced power consumption! This unit also comes standard with an electronic controller, low RPM with its oversized air end design, an oversized air/oil cooler, spin-on filtration, and much more!



## *CSO Condensate Separators*

The CSO 40-1250 series condensate oil water separators have been developed for excellent separation of lubricant and oils from condensate generated from rotary screw, rotary vane, and other types of compressor equipment. These units allow for EPA friendly disposal of your condensation.



## *RK Fixed Speed Compressors*

The RK fixed speed compressors have a compact design, making it a great solution for many applications. These belt driven units make maintenance an easy task when the time comes. With large, easy to remove doors, the belt, oil, and filter changes are a breeze.



## *FHO Inline Filtration*

FHO inline filtration comes standard with differential pressure gauges and are protected with an interior and exterior powder coating finish. They hold a replaceable filter that can be quickly and inexpensively maintained. All housings come standard with internal float style drain valves.



## *RSP 40-450 Compressors*

The RSP series fixed speed rotary screw air compressors are an exceptionally durable line of higher horsepower air compressors. Routine maintenance is simplified because of this unit's unique belt drive design and easily removable panels (when applicable). Two options that are available with this model of air compressor are low sound enclosure and/or TEFC motor.



## *NGN Nitrogen Genenerators*

The PneuTech Modular Nitrogen Generation system is a cost saving alternative to buying bottled nitrogen from another company. A relatively low initial investment combined with very low operating costs results in savings up to 60%! It's modular design allows it to fit through standard door openings and it can be handled easily by manual pallet lifts.



## *RSP-VSD 40-450 Compressors*

The RSP-VSD series air compressor has a VFD inverter that helps you adapt to your factory's fluctuating demand and thus save money and increase efficiency. The electronic controller on this machine allows you to easily program your pressure parameters, maintenance schedule, auto pressure scheduling up to 28 times per week, alarm diagnostics, web access, and so much more!

Providing  
**high efficiency**  
Delivering  
**exceptional value**  
of ownership



## Mission Statement:

Using our combined industry experience, we provide knowledge, support, and superior products to compressed air distributors across the globe. We are committed to producing positive results through being trustworthy, ethical, and accessible. We are founded in the beliefs that through working together we can continue to transform the industry, while rising to turn challenges into opportunities.

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