KONAIR
COMPRESSOR

ALWAYS
PROVIDE
THE BEST

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REFRO

REFRIGERATION
DRYERS

Our experience guarantees a perfect product

Konair compressor one of experienced company for quarter century offer perfect products for the treatment of compressed air, atmospheric air and other gases. Our company's experience result an unique know-how provide best solutions. This known how finds its expression in an extensive Konair program for compressed air treatment: Refrigerated air dryers, adsorption dryers and filters.

REFRIGERATED COMPRESSED AIR DRYERS

The experience accumulated over years is reflected in the particularly exhaustive range of refrigerated air dryers. This extremely reliable equipment offers a long high performance and is thus a profitable and technically interesting investment.

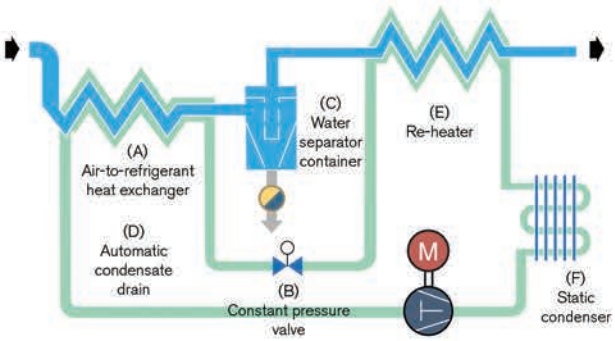
RFR series – high performance in compact form for up to 9.600 m3/h

REFRO SERIES REFRIGERATED COMPRESSED AIR DRYERS INCREASE PRODUCTIVITY

RFR Series refrigerated compressed air dryers provide the ideal combination of technology and simplicity to dry your compressed air system to a pressure dew point of + 3 °C from 54 to 9600 m3/h.

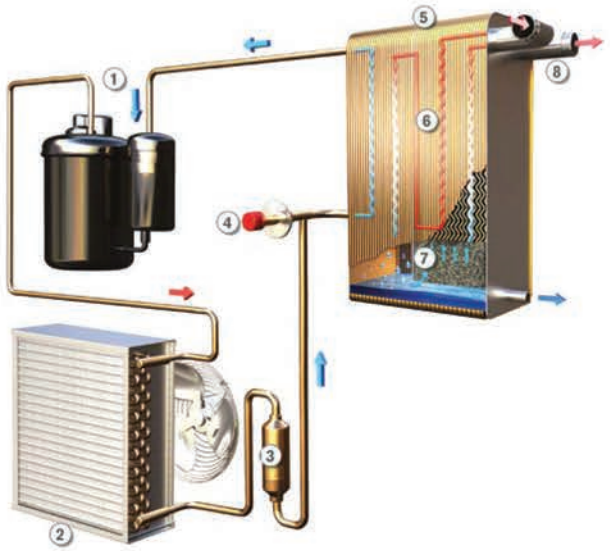
DESIGNED TO BE DURABLE AND RELIABLE

All dryers in the RFR Series have been designed for a long service life. The housing is constructed from sturdy sheet steel and is protected by a high-quality powder coating. The reliable refrigeration system works with the environmentally friendly refrigerant R-134a.



How it works...

Warm saturated air enters the evaporator (A) where it is cooled by refrigerant being controlled by a constant pressure expansion valve (B). Water vapor condenses into a liquid for removal at the moisture separator (C) by an automatic drain (D). The cold, dry air is reheated as it passes through the reheater (E) to prevent pipeline sweating. The static condenser (F) eliminates the need for a cooling fan and simplifi es the system.



Refrigeration Circuit:

A refrigerant compressor (1) and air cooled condenser (2) continuously circulate refrigerant through the system. The fi lter-dryer (3) removes contaminants from the refrigerant gas. An expansion valve (4) regulates the flow of refrigerant into the 3-in-1 heat exchanger.

Compressed Air Circuit: Warm, saturated compressed air enters the air-to-air heat exchanger (5) and is cooled by the exiting air. The precooled air (6) enters the air-to-refrigerant heat exchanger (6) and is further chilled causing water vapor to condense. Condensed moisture

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REFRO SERIES:

- Compact structure requires little space
- Corrosion-resistant air circuit
- Powder-coated steel construction
- Fast and exact dew point control
- Minimal installation and service requirements
- Static condenser with fan
- Low noise and energy-saving operation
- Heated outlet air
- Simple installation, nearly service-free operation
- Float drain/timer drain
- **Stainless steel heat exchanger**
- Mesh demister
- Changable filter for ambient air
- Environmentally friendly refrigerant 134a
- Simple filter installation on air inlet and outlet
- Dew point control, condensate control
- Timer drain/electronic level-controlled drain

REFRO QUALITY

- Developed by Konair the stainless steel Crossflow heat exchanger features with a larger separation zone and an optimised demister unit

- High-quality air-conditioning refrigerant compressors with above average performance values provide cost-savings through energy effi ciency.

- A newly developed constant pressure valve guarantees a constant supply of refrigerant even at varying levels of compressed air consumption, providing a constant cooling and dew point temperature

- The entire RFR model series is safe against overpressure

- All system components have secure connections that are extremely vibration resistant

TECHNICAL SPECIFICATIONS

MODEL	CAPACITY			CONNECTION SIZE	VOLTAGE	SIZES	WEIGHT
	l/min	m3/h	cfm	inch	V	W x L x H mm	Kg
RFR 30	900	54	31.80	½"	230/1/50	380 x 490 x 450	30
RFR 42	1.200	72	42.40	½"	230/1/50	380 x 490 x 450	31
RFR 63	1.800	108	63.50	¾"	230/1/50	380 x 490 x 450	32
RFR 77	2.200	132	77.70	¾"	230/1/50	380 x 490 x 450	34
RFR 90	2.600	156	91.80	1"	230/1/50	400 x 600 x 530	44
RFR 110	3.100	186	109.50	1"	230/1/50	400 x 600 x 530	45
RFR 130	3.700	222	130.70	1"	230/1/50	400 x 600 x 530	47
RFR 160	4.500	270	158.90	1"	230/1/50	450 x 650 x 620	70
RFR 190	5.500	330	194.20	1"	230/1/50	450 x 650 x 620	79
RFR 230	6.500	390	229.50	1 ½"	230/1/50	450 x 650 x 620	83
RFR 300	8.500	510	300.20	1 ½"	230/1/50	590 x 870 x 1200	140
RFR 380	11.000	660	388.50	2"	230/1/50	590 x 870 x 1200	144
RFR 460	13.000	780	459.10	2"	400/3/50	734 x 852 x 1191	172
RFR 600	17.800	1.068	628.60	2"	400/3/50	734 x 852 x 1191	180
RFR 700	20.000	1.200	706.30	2"	400/3/50	734 x 852 x 1191	195
RFR 880	25.000	1.500	882.90	2"	400/3/50	782 x 1102 x 1372	273

TECHNICAL SPECIFICATIONS

MODEL	CAPACITY			CONNECTION SIZE	VOLTAGE	SIZES	WEIGHT
	l/min	m3/h	cfm	inch	V	W x L x H mm	Kg
RFR 1000	30.000	1.800	1059.40	3"	400/3/50	782 x 1102 x 1372	284
RFR 1200	35.000	2.100	1236.00	3"	400/3/50	833 x 1352 x 1382	302
RFR 1400	40.000	2.400	1412.60	3"	400/3/50	804 x 2104 x 1625	336
RFR 1500	45.000	2.700	1589.20	3"	400/3/50	804 x 2104 x 1625	365
RFR 1700	50.000	3.000	1765.70	3"	400/3/50	804 x 2104 x 1625	552
RFR 2100	60.000	3.600	2118.90	DIN100	400/3/50	804 x 2104 x 1625	575
RFR 2400	70.000	4.200	2472.00	DIN100	400/3/50	1150 x 2104 x 1625	590
RFR 2800	80.000	4.800	2825.20	DIN100	400/3/50	1150 x 2104 x1625	710
RFR 3100	90.000	5.400	3178.30	DIN100	400/3/50	1360 x 2104 x 1625	775
RFR 3700	105.000	6.300	3708.00	DIN150	400/3/50	1360 x 2600 x 1760	805
RFR 4200	120.000	7.200	4237.80	DIN150	400/3/50	1360 x 2750 x 1760	865
RFR 4900	140.000	8.400	4944.00	DIN 150	400/3/50	1360 x 2750 x 1760	930
RFR 5600	160.000	9.600	5650.30	DIN 200	400/3/50	1600 x 2750 x 1760	1.100

Maximum Ambient Temperature: 50 °C
Maximum Inlet Temperature: 60 °C
Dew Point: +3 °C

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COMPRESSOR

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