

**14 bar**

max. operating pressure

**1,5 to 45 °C**

operating ambient temperature

**5°C**

pressure dew point

**20 to 235 Nm<sup>3</sup>/h**

flow rate

**R134a**

refrigerant

**air cooled**

type of cooling

## DESCRIPTION

For maximum convenience the RDF dryer series is equipped with air inlet and outlet filters. It is based on the RDL series with extended casing to include them. The design allows service technicians an easy element replacement.

This series is designed with focus on essential components. Its compact size, optimized layout and innovative solutions reduce manufacturing costs whilst maintaining the same levels of reliability, quality and attention to details.

RDF dryer series is designed and manufactured with respect to the environment using recyclable materials.

Drying is achieved on the principle of cooling which takes place inside highly efficient and ultra-compact 3 stage heat exchanger.

## APPLICATIONS

- Compressed air systems

# RDF SERIES

## REFRIGERATION COMPRESSED AIR DRYERS WITH INTEGRATED FILTERS





**TECHNICAL DATA**

Type	Inlet flow	Power supply	Dimensions			Power input	Air connection IN and OUT	Integrated filters
	Nm <sup>3</sup> /h	Ph / V / Hz	W [mm]	L [mm]	H [mm]	W		
<b>RDF 20</b>	20	1/230/50	358	455	604	150	G 3/8" BSP-F	AF 0056
<b>RDF 35</b>	35	1/230/50	358	455	604	150	G 3/8" BSP-F	AF 0056
<b>RDF 50</b>	50	1/230/50	358	455	604	180	G 3/4" BSP-F	AF 0106
<b>RDF 75</b>	75	1/230/50	358	455	604	250	G 3/4" BSP-F	AF 0106
<b>RDF 100</b>	100	1/230/50	358	455	604	360	G 3/4" BSP-F	AF 0106
<b>RDF 140</b>	140	1/230/50	486	580	904	460	G 1" BSP-F	AF 0186
<b>RDF 180</b>	180	1/230/50	486	580	904	590	G 1" BSP-F	AF 0306
<b>RDF 235</b>	235	1/230/50	486	580	904	840	G 1" BSP-F	AF 0306

**CORRECTION FACTOR FOR OPERATING PRESSURE CHANGES**

Operating pressure [bar]	4	5	6	7	8	10	12	14
Operating pressure [bar]	58	72	87	100	115	145	174	203
Correction factor	0,77	0,86	0,93	1,00	1,05	1,14	1,21	1,27

**CORRECTION FACTOR FOR DEW POINT CHANGES**

Temperature [°C]	3	5	7	10
Temperature [°F]	37,4	41	44,6	50
Correction factor	0,9	1,0	1,1	1,26

**CORRECTION FACTOR FOR INLET TEMPERATURE CHANGES**

Temperature [°C]	≤25	30	35	40	45	50	55
Temperature [°F]	77	86	95	104	113	122	131
Correction factor	1,2	1,12	1	0,83	0,69	0,59	0,5

**CORRECTION FACTOR FOR AMBIENT TEMPERATURE CHANGES**

Temperature [°C]	≤25	30	35	40	45
Temperature [°F]	77	86	95	104	113
Correction factor	1	0,96	0,9	0,82	0,72