

DRYPOINT® RS HP DRYER SERIES FOR OPERATING PRESSURES UP TO 50 BAR



DRYPOINT® RS HP compressed-air refrigeration dryers have been designed specifically for reliable operation at high-pressure. They are certified for pressures up to 50 bar.

They are ideal for use in PET blowmoulding.

Design highlights of this series include specially developed stainless-steel plate-type heat exchangers and condensate-separation flow operating on the basis of the demister principle. BEKOMAT condensate drains are fitted as standard.

DRYPOINT® RS HP dryers comply with Directive 97/23/CE-PED.

+1:

CONSTANT PRESSURE DEW POINT

+2:



STAINLESS-STEEL PLATE-TYPE HEAT EXCHANGERS

+3:

**LOWEST POSSIBLE PRESSURE LOSS,
EVEN WITH VARYING LOADS**

+4:

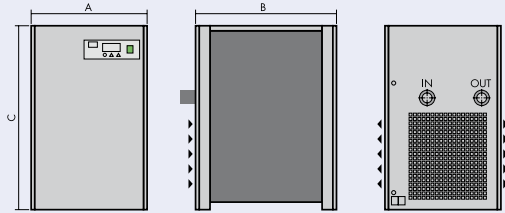


**WITH BEKOMAT® CONDENSATE DRAIN
AS STANDARD - FROM MODEL RS15 HP 50 ON**

+5:

CERTIFIED UP TO 50 BAR (G) PRESSURE

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TECHNICAL DATA

Model	Air flow rate		Air connection in/out [ø]	Dimensions mm			Weight kg
	[Nm³/h]	[scfm]		A	B	C	
RS 4 HP50	25	15	G 3/8" BSP-F	370	515	473	28
RS 8 HP50	48	28	G 3/8" BSP-F	370	515	473	29
RS 12 HP50	72	42	G 3/8" BSP-F	370	515	473	32
RS 15 HP50	90	53	G 1/2" BSP-F	350	485	610	36
RS 22 HP50	135	80	G 1/2" BSP-F	350	485	610	37
RS 30 HP50	180	106	G 3/4" BSP-F	510	625	830	54
RS 40 HP50	240	141	G 3/4" BSP-F	510	625	830	59
RS 50 HP50	315	186	G 1" BSP-F	560	725	870	84
RS 75 HP50	450	265	G 1" BSP-F	560	725	870	87
RS 100 HP50	615	362	G 1" BSP-F	560	725	870	109
RS 130 HP50	810	477	G 1.1/2" BSP-F	580	655	1.240	119
RS 160 HP50	1008	594	G 1.1/2" BSP-F	580	655	1.240	132
RS 200 HP50	1200	707	G 2" BSP-F	605	1.155	1.700	232
RS 270 HP50	1620	954	G 2" BSP-F	605	1.155	1.700	238
RS 330 HP50	2010	1184	G 2" BSP-F	605	1.155	1.700	260
RS 400 HP50	2430	1431	DN 100	1.535	1.005	1.540	430
RS 500 HP50	3030	1784	DN 100	1.535	1.005	1.540	450

REFERENCE CONDITIONS ACCORDING TO DIN/ISO 7183

Flow rate related to 20 °C at 1 bar, operating pressure 40 bar, compressed-air inlet temperature 35 °C, cooling-air temperature 25 °C, pressure dew point 3 °C. As of RS 15 HP 50, all models are provided as standard with BEKOMAT® 12 CO PN 63 level controlled condensate drain. Model RS 12 HP 50 with automatic drain.

ELECTRICAL CONNECTION

Types RS 4 HP50 - RS 130 HP 50: 230-240 V AC, 50 Hz, single-phase.

Types RS 160 HP50 - RS 500 HP 50: 400-415 V AC, 50 Hz, three-phase.

Other versions upon enquiry.

CONVERSION FACTORS

To adapt the performance figures please multiply by the relevant correction factor.

Operating pressure bar	15	20	25	30	35	40	45	50
Correction factor	0.74	0.82	0.87	0.92	0.96	1.00	1.03	1.06
Ambient temperature °C	25	30	35	40	45	50		
Correction factor	1.00	0.99	0.97	0.93	0.88	0.81		
Compressed air inlet temperature °C	30	35	40	45	50	55	60	65
Correction factor	1.12	1.00	0.88	0.78	0.70	0.62	0.55	0.49
Pressure dew point °C	3	5	7	10				
Correction factor	1.00	1.09	1.18	1.38				

Subject to technical changes without prior notice; the information and data do not represent product characteristics within the meaning of the German Civil Code (BGB)

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