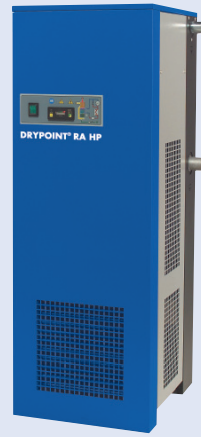


# DRYPOINT® RS HP DRYER SERIES FOR OPERATING PRESSURES UP TO 50 BAR



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.

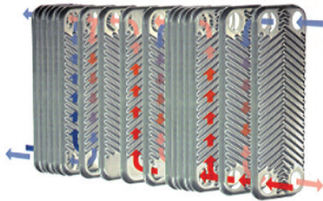
Design highlights of this series include specially developed stainless-steel plate-type heat exchangers and condensate-separation flow operating on the basis of the demister principle. BEKOMAT condensate drains are fitted as standard.

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:**

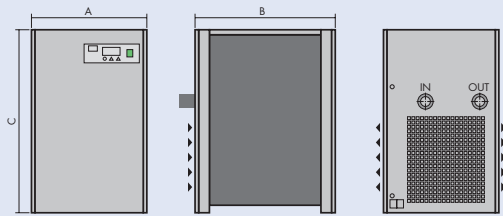


**WITH BEKOMAT® CONDENSATE DRAIN  
AS STANDARD - FROM MODEL RA 15 HP 50 ON**

**+5:**

**CERTIFIED UP TO 50 BAR (G) PRESSURE**

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



## 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	450	445	28
RS 8 HP50	48	28	G 3/8" BSP-F	370	450	445	29
RS 12 HP50	72	42	G 3/8" BSP-F	370	450	445	32
RS 15 HP50	90	53	G 1/2" BSP-F	350	490	610	36
RS 22 HP50	135	80	G 1/2" BSP-F	350	490	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	510	625	830	61
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	610	1.155	1.700	232
RS 270 HP50	1620	954	G 2" BSP-F	610	1.155	1.700	238
RS 330 HP50	2010	1184	G 2" BSP-F	610	1.155	1.700	260
RS 400 HP50	2430	1431	DN 100	1.380	1.400	1.610	430
RS 500 HP50	3030	1784	DN 100	1.380	1.400	1.610	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 HP50, 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.

<b>Operating pressure bar</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>30</b>	<b>35</b>	<b>40</b>	<b>45</b>	<b>50</b>
Correction factor	0.75	0.81	0.87	0.92	0.96	1.00	1.03	1.06
<b>Ambient temperature °C</b>	<b>25</b>	<b>30</b>	<b>35</b>	<b>40</b>	<b>45</b>			
Correction factor	1.00	0.98	0.95	0.90	0.80			
<b>Compressed air inlet temperature °C</b>	<b>30</b>	<b>35</b>	<b>40</b>	<b>45</b>	<b>50</b>	<b>55</b>	<b>60</b>	<b>65</b>
Correction factor	1.14	1.00	0.84	0.73	0.62	0.54	0.46	0.41
<b>Pressure dew point °C</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>10</b>				
Correction factor	1.00	1.09	1.18	1.38				