

Refrigeration Dryers

H-PET SERIES - HIGH PRESSURE

BENEFITS AND FEATURES

- Corrosion-free air circuit, made of copper and stainless steel
- Powder-coated housing
- Operating pressure up to 50 bar
- Made in USA/Germany



Technical Data	17 - 100	170 - 1850
Inlet / Outlet	On rear	Right side panel (inlet), rear (outlet)
Bypass	-	
Air cooling	●	
Water cooling	-	○
Heat Exchanger	Stainless steel plates	
IP rating	IP 20	IP 44
Dew point indication	Colour change	Digital
Potential free alarm contact	○	●
Time-controlled condensate drain	●	○
Electronic level-controlled drain	○	●

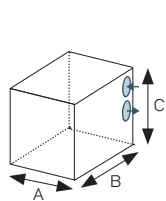
	17 - 453	577 - 1850
Refrigerant	R 134a	R407A

General Data	
Medium	Compressed Air
Housing	Steel
Colour - Panels	RAL 5010 (blue), powder-coated
Colour - Housing	Grey, powder-coated
Location	Indoors

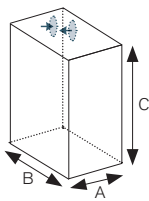
Model	Flow Rate*	Connection	Dimensions			Weight	el. Connection	Power Consumption
			A	B	C			
	m³/h		mm			kg	V/Ph/Hz	kW
HPET 0.17-725AC	51	1/2"	501	521	660	39	230/1/50	0.23
HPET 0.20-725AC	76					41		0.27
HPET 0.25-725AC	110					43		0.42
HPET 0.33-725AC	163	3/4"	48	0.59				
HPET 0.50-725AC	240	1 1/2"	651	500	955	114		0.68
HPET 0.75-725AC	300					127		0.98

HPET 1.0-700 AC/WC	510	DN 50	1,026	1,223	1,277	168	400/3/50	1.00
HPET 1.5-700 AC/WC	740					172		1.46
HPET 2.0-700 AC/WC	1,090					211		1.60
HPET 3.0-700 AC/WC	1,360					218		2.55
HPET 5.0-700 AC/WC	1,730					268		3.90
HPET 6.0-700 AC/WC	2,220	DN 80	1,370	1,605	1,464	465		5.30
HPET 7.5-700 AC/WC	2,900					590	7.40	
HPET 10.0-700 AC/WC	3,280					710	9.20	
HPET 11.0-700 AC/WC	4,100					710	9.70	
HPET 12.0-700 AC/WC	5,550					719	12.70	

* ISO 7183 A1, based on the intake volume of the compressor at +20°C and 1 bar (a), operating pressure 50/45 bar (g), inlet temperature +35°C, ambient or cooling water temperature +25°C, pressure dew point +3°C. | Technical data and specification are subject to change without prior notice



0.17-725 - 0.75-725



1.0-700 - 12.0-700

Design Data*	Min.	Nom.	Max.
Operating pressure	20 bar (g)	50/45 bar (g)	50/45 bar (g)
Inlet temperature	+4 °C	+35 °C	+49 °C
Ambient temperature	+3 °C	+25 °C	+43 °C

* The following correction factors need to be used to select the correct unit for other operating conditions. Hankison® refrigerant compressed air dryers are best used with a Hankison® PF pre-filter and a HF after-filter.

Correction factors for different operating pressures in bar (g) (F ₁)							
bar (g)	20	25	30	35	40	45	50
HPET 0.17 - 0.75					0.97	0.98	1.00
HPET 1.0 - 12.0	0.88	0.92	0.94	0.96	0.98	1.00	-

Correction factors for different inlet temperatures in °C (F ₂)				
°C	+35	+40	+45	+49
HPET 0.17 - 12.0	1.00	0.84	0.73	0.64

Correction factors for different ambient temperatures in °C (F ₃)					
°C	+25	+30	+35	+40	+43
HPET 0.17 - 12.0	1.00	0.95	0.89	0.84	0.78

Selection example	Calculation	
Compressor capacity (V ₁)	1,200 m³/h	$V_2 = \frac{V_1}{F_1 \cdot F_2 \cdot F_3} = \frac{1,200}{0.96 \cdot 0.84 \cdot 0.95} = 1,566 \text{ m}^3/\text{h}$ <p style="text-align: right;">Selection: HPET 5.0-700</p>
Operating pressure (F ₁)	35 bar (g)	
Inlet temperature (F ₂)	+40 °C	
Ambient temperature (F ₃)	+30 °C	
V ₂	Required dryer capacity	

SPXFLOW



SPX Flow Technology Germany GmbH
 Konrad-Zuse-Straße 25 | D-47445 Moers
 Tel.: +49 (0) 28 41 / 8 19-0 | Fax: +49 (0) 28 41 / 8 19 83
 E-Mail: info@spx-hankison.de
 www.spx-hankison.de | www.spxflow.com

SPX FLOW, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

Please contact your local sales representative for product availability in your region. For more information visit www.spxflow.com.

The green 'S' and 'X' are trademarks of SPX FLOW, Inc.