



**16 bar**  
operating pressure

**1,5 to 50 °C**  
inlet air temperature range

**3/8"**  
connections

**6 to 12 Nm<sup>3</sup>/h**  
flow rate

**-40 (-20) °C**  
pressure dew point

## DESCRIPTION

PICO-DRY adsorption dryers are intended for separation of water vapour from compressed air thus reducing dew point. Those dryers were specifically designed for piston compressors with relatively small duty load (frequent start and stop).

Adsorption takes place under pressure in the lower column. When the compressor stops the adsorption column is depressurised and the dry air from the buffer vessel is slowly expanded and used for regeneration.

Dryer is equipped with aftercooler as well as with filter making sure that liquid water, oil and other large contaminants will not enter adsorption vessel. Springs in the columns make sure that the desiccant beads will not move during operation. Proven robust design enables efficient and reliable operation, fast installation and simple maintenance.

## APPLICATIONS

- Piston compressors

# PICO-DRY

## HEATLESS REGENERATED ADSORPTION DRYER





TECHNICAL DATA										
Model	Connection IN/ OUT	Operating pressure	Inlet flow rate <sup>(1)</sup>	Outlet flow rate <sup>(2)</sup>	Dimensions [mm]				Mass	Filter type
	inch				bar	Nm <sup>3</sup> /h	Nm <sup>3</sup> /h	A		
<b>PICO-DRY 06</b>	G 3/8"	16 bar	6	/*	339	280	100	354	10,5	AAF 0026
<b>PICO-DRY 12</b>	G 3/8"	16 bar	12	/*	573	280	100	354	13,5	AAF 0026

CORRECTION FACTORS													
Operating pressure [bar]	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating pressure [psi]	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction factor	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,0	2,13

CORRECTION FACTORS						
Operating temperature [°C]	25	30	35	40	45	50
Operating temperature [°F]	77	86	95	104	113	122
Correction factor	1	1	1	0,97	0,87	0,80

CORRECTION FACTORS		
Dew point [°C]	-25	-40
Dew point [°F]	-13	-40
Correction factor	1,1	1

<sup>(1)</sup> Refers to 1 bar(a) and 20°C at 7 bar operating pressure, inlet temperature 35°C and pressure dew point at outlet down to -40°C.  
<sup>(2)</sup> Heatless regenerated dryers normally consume approx. 15-20% of air for regeneration. Actual consumption of PICO-DRY depend on compressor duty cycle. Volume of 1 vessel (adsorption).

