

X-DRY SERIES

HEATLESS REGENERATED MODULAR ADSORPTION DRYERS

operating pressure	4 to 16 bar
operating temp.range	1,5 to 50 °C
pressure dew points	-40°C (-25°C / -70°C)
flow rate	300 to 1050 Nm³/h

APPLICATIONS

- compressed air systems

DESCRIPTION

X-DRY 300-1050 modular adsorption dryers are designed for continuous separation of water vapour from compressed air thus reducing dew point. Operation of dryer requires two columns operated alternately.

Adsorption takes place under pressure in first column while second column regenerates with a portion of already dried compressed air at ambient pressure.

A dryer consists of two columns, filled with desiccant beads, controller with LCD display, valves, manometers, support construction and suitable filter housings with the required filter element. Proven robust design enables efficient and reliable operation, fast installation and simple maintenance.





TECHNICAL DATA

Type	Connection IN/OUT ⁽³⁾	Nominal volume flow		Dimensions			Mass kg
		Inlet ⁽¹⁾	Outlet ⁽²⁾	A [mm]	B [mm]	C [mm]	
		[Nm ³ /h]	[Nm ³ /h]				
X-DRY 300	G 2"	300	-	570	670	1450	350
X-DRY 450	G 2"	450	-	570	870	1450	520
X-DRY 600	G 2"	600	-	570	1070	1450	690
X-DRY 750	G 2"	750	-	570	1270	1450	860
X-DRY 900	G 2"	900	-	570	1470	1450	1030
X-DRY1050	G 2"	1050	-	570	1670	1450	1200

⁽¹⁾ Refers to 1bar(a) and 20°C at 7 bar operating pressure, inlet temperature 35°C and pressure dew point at outlet -40°C.

⁽²⁾ Outlet flow refers to typical assumption during regeneration phase for operating at nominal inlet flow conditions. Outlet flow includes average air losses of approximately 17,3 %.

⁽³⁾ Refers to inlet and outlet filter housing.

Operating pressure range	4 to 16 bar
Operating temperature range	+1,5 °C to +60 °C
Pressure dew points	-40°C (-25 °C / -70 °C)
Voltage, frequency	230V, 50/60 Hz
Power consumption	<60 W
Protection class	IP 65
Filter (inlet)*	super fine - 0,01 µm
Filter (outlet)	dust filter; 1 µm

