



4 to 16 bar
operating pressure

1,5 to 50°C
inlet air temperature range

-40°C (-25°C / -70°C)
pressure dew points

300 to 1050 Nm³/h
flow rate

RAL 5012 / RAL 7040
standard / optional colour

15-20%
avg. comp. air consumption

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.

APPLICATIONS

- Compressed air systems

X-DRY SERIES

HEATLESS REGENERATION MODULAR ADSORPTION COMPRESSED AIR DRYERS





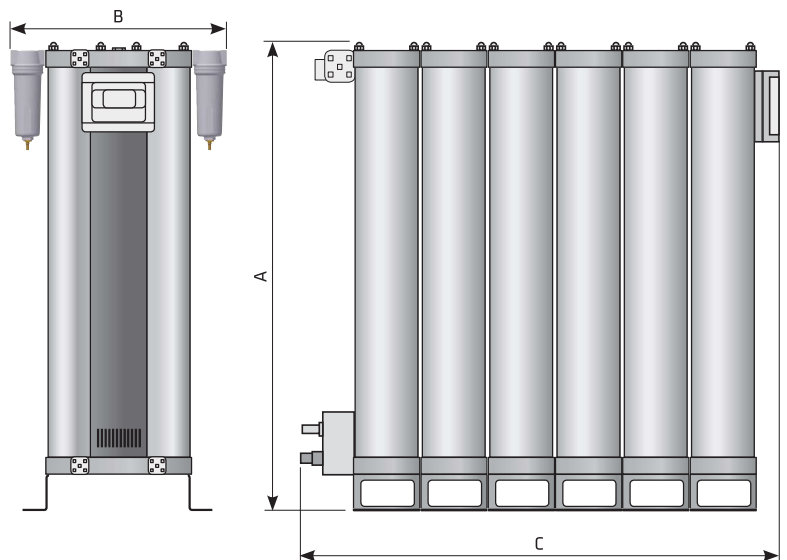
TECHNICAL DATA							
Type	Connection IN/OUT ⁽³⁾	Nominal volume flow		Dimensions			Mass kg
		Inlet ⁽¹⁾ [Nm ³ /h]	Outlet ⁽²⁾ [Nm ³ /h]	A [mm]	B [mm]	C [mm]	
	"	"	"	"	"	"	"
X-DRY 300	G 2"	300	237	1515	674	686	350
X-DRY 450	G 2"	450	255,5	1515	674	886	520
X-DRY 600	G 2"	600	474	1515	674	1086	690
X-DRY 750	G 2"	750	592,5	1515	674	1286	860
X-DRY 900	G 2"	900	711	1515	674	1486	1030
X-DRY1050	G 2"	1050	829,5	1515	674	1686	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



CORRECTION FACTORS - F1															
Operating pressure [bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction factor	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13
CORRECTION FACTORS - F2										DEW POINT					
Inlet temperature [°C]	25	30	35	40	45	50	55	60	[°C]	-25	-40	-70			
Correction factor	1,00	1,00	1,00	0,97	0,87	0,80	0,64	0,51	C ₀	1,1	1	0,7			