

Your benefits with Euro-dry Compact Dryers

- Simple service by means of service and maintenance kits
- Operational reliability: high quality components
- Energy-saving: low pressure drop, low air consumption
- Easy installation: inlet and outlet interchangeable



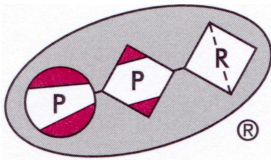
EDC Desiccant Compressed Air Dryers		2-36	55-72
Medium	Compressed air	●	●
Pressure dew point	Visual: humidity indicator	●	●
Drying system	Twin tower adsorption	●	●
Regeneration system	Heatless	●	●
Vessel material	Aluminium	●	●
Housing material	Carbon steel	●	●
	Stainless steel	■	■
Housing painting	Epoxy-coating	●	●
Colour	RAL 9001 (white)	●	●
Inlet	Bottom right or left (optional)	●	●
Outlet	Top right or left (optional)	●	●
Desiccant	Activated Alumina	●	●
Power supply	220V - 240V 50 Hz/60 Hz	●	●
	110V - 120V 50 Hz/60 Hz	●	●
Timer	Electronic with memory	●	●
Noise level	< 78 dB (A)	●	●
IP rating	IP23	●	●
	IP 54	■	■
Mounting	Wall mounting, indoors	●	▼
	Freestanding	▼	●
Filters	pre and after filters mounted on the dryer	●	●

Standard fittings and options are different from country to country.

Design Data	Minimum	Design	Maximum	2-36	55-72
Inlet pressure*	4 bar ü*	7 bar ü	10 bar ü*	●	●
Inlet temperature*	+5°C*	+35°C	+50°C*	●	●
Pressure dew point*	-70°C*	-40°C	-20°C*	●	●
Ambient temperature	+2°C	+25°C	+50°C	●	●
Relative humidity inlet air		100%		●	●
Regeneration need		15%		●	●

* Please use the correction factors on the back if conditions are different from standard.
Maximum Operating pressure 16 bar: on request.

● Standard | ■ Optional | ▼ Not applicable

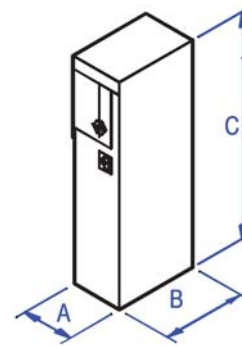


Model	Capacity	Dimensions			Weight	Filters	Connection	Pressure drop	Power cons.
	m ³ /h*	A	B	C					
EDC 2	5.8	137	237	653	13	30/30	1/4	0.1	47
EDC 3	9.7	137	237	653	13	30/30	1/4	0.1	47
EDC 5	17.5	137	237	653	17	30/30	1/4	0.1	47
EDC 7	22.4	137	237	941	19	60/60	1/4	0.1	47
EDC 10	33.4	137	237	941	24	60/60	1/4	0.3	47
EDC 17	56.1	198	368	824	37	120/120	3/4	0.1	47
EDC 23	77.4	198	368	824	43	120/120	3/4	0.1	47
EDC 36	120.9	198	368	1325	64	180/180	3/4	0.3	47
EDC 55	183.1	477	415	1326	110	300/300	1 1/4	0.2	64
EDC 72	241.4	477	415	1326	130	300/300	1 1/4	0.3	64

*Nominal dryer capacity according to DIN ISO 7183, pressure dew point -40°C

** Dimensions without filters

The capacity of the dryer is based on the intake volume of the compressor at 20°C, 1 bar(a)
Subject to alteration without prior notice



The suitable desiccant dryer for non-standard operating conditions can be found using the following correction factors.

Correction factor for different operating pressures in bar g (F1)													
bar (g)	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor (F1)	0.47	0.65	0.88	1.00	1.08	1.14	1.20						

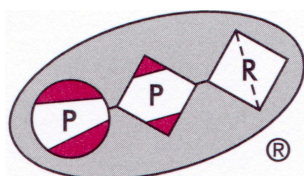
For a selection consult your distributor

Correction factor for different inlet temperatures in °C (F2)								
°C		+5		+30	+35	+40	+45	+50
Correction factor		1.00		1.00	1.00	0.88	0.70	0.60

Correction factor for different outlet pressure dew points in °C (F3)								
°C		-10	-20	-30	-40	-50	-60	-70
Correction factor		1.12	1.10	1.05	1.00	0.89	0.72	

For a selection consult your distributor

Selection example:		Calculation
Compressor capacity (V1)	: 40 m ³ /h	$V2 = \frac{V1}{F1 * F2 * F3} = \frac{40}{1,20 * 0,88 * 1,00} = 37,9 \text{ m}^3/\text{h}$
Operating pressure (F1)	: 10 bar (g)	
Inlet temperature (F2)	: +40°C	
Outlet pressure dew point (F3)	: -40°C	
V2	: Required dryer capacity.	Selected: EDC17



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