

Your benefits with Euro-dry heatless desiccant Dryers

- Operational reliability: high quality components
- Energy-saving: low pressure drop, low air consumption
- PED compliant



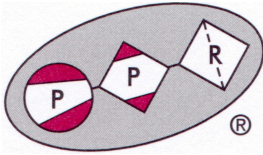
Standard models of the ED compressed air desiccant dryers		ED 48-ED 288	ED 360-ED 1785
Medium	Compressed air	●	●
Drying system	Twin tower adsorption	●	●
Regeneration system	Heatless	●	●
Vessel code	CE/Directive 97/23/CEE (DGR)	●	●
	Safety relief valves	■	■
Maximal operating pressure	16 bar (g)	●	■
Piping	Threaded	●	▼
	Welded with DIN flanges	■	●
Adjustable regeneration air quantity		●	●
Humidity indicator		●	●
Maintenance-free non-return valve		●	●
Colour	RAL 9001 (white)	●	●
	Special surface treatment	■	■
Inlet	Bottom back	●	●
Outlet	Top back	●	●
Desiccant	Activated Alumina	●	●
Power supply	220V - 240V 50 Hz/60 Hz	●	●
	Alternative electrical power supplies	■	■
	Full pneumatic control	■	■
Cycle controls	Electronic with memory function	●	●
	Dew-point-controlled energy management system	■	■
Noise level	< 78 dB(A)	●	●
	Standard silencers provided		
IP rating	IP65	●	●
Location	Indoors	●	●
Mounting	Freestanding: anchor holes provided	●	●
Filters	pre and after filters mounted on the dryer	■	■

For optimum performance, PPR® pre and after filters should be used.

Design Data	Minimum	Design	Maximum	ED 48-ED 288	ED 360-ED 1785
Inlet pressure*	4 bar ü	7 bar ü	10/16 bar ü	●	●
Inlet temperature*	+5°C	+35°C	+50°C	●	●
Pressure dew point*	-70°C	-40°C	-20°C	●	●
Ambient temperature	+2°C	-	+50°C	●	●
Relative humidity inlet air		100%		●	●
Purge air consumption		15%		●	●
Of nominal inlet capacity at 7 bar (g)					

* Please use the correction factors on the back if conditions are different from standard. Refer to the graph on the other side of this page.

● Standard | ■ Optional | ▼ Not applicable



Model	Capacity m³/h *	Dimensions			Weight kg	Connection		Power cons. kW
		A	B	C		"BSP	DIN Flange	
ED 48	160	750	750	1955	190	1	-	0.06
ED 81	270	750	1150	1970	310	1 1/2	-	0.06
ED 129	430	750	1150	1980	425	1 1/2	-	0.06
ED 183	610	750	1150	1990	585	1 1/2	-	0.06
ED 220	735	750	1150	1990	685	2	-	0.06
ED 288	960	750	1150	2000	755	2	-	0.06
ED 360	1200	1300	1500	1930	1000	-	80	0.06
ED 445	1490	1400	1500	1950	1225	-	80	0.06
ED 540	1800	1450	1500	2070	1475	-	80	0.06
ED 635	2120	1500	1500	2090	1700	-	80	0.06
ED 750	2500	1700	1500	2190	1930	-	100	0.06
ED 865	2880	1750	1700	2220	2180	-	100	0.06
ED 1135	3790	1900	1950	2250	2315	-	100	0.06
ED 1785	5950	2120	2400	2390	3860	-	150	0.06

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

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 above-listed dryer capacities are based on standard operating conditions:

Pressure at dryer inlet: 7 bar (g)

Temperature at dryer inlet: 35°C

Pressure dew point at dryer outlet: -40°C

Deviations from these operating conditions might affect the performance of the dryer.

To calculate the capacity under the "worst case" operating conditions (lowest inlet pressure, highest inlet temperature, lowest required pressure dewpoint) please use the correction graph.

Selection example: Pressure at dryer inlet
Temperature at dryer inlet
Pressure dew point at dryer outlet

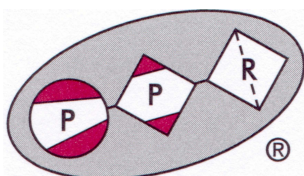
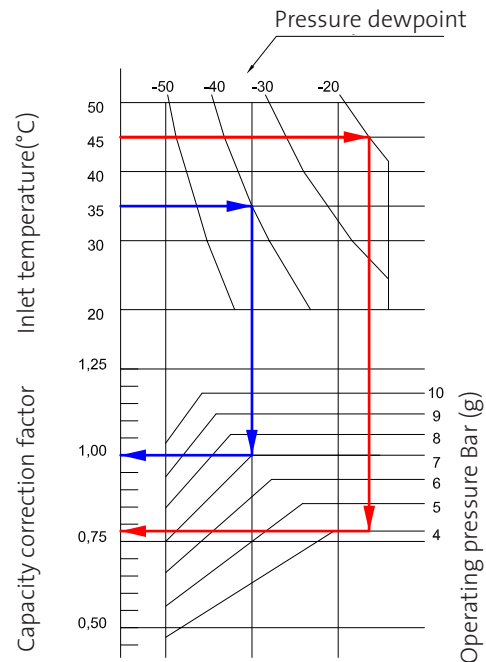
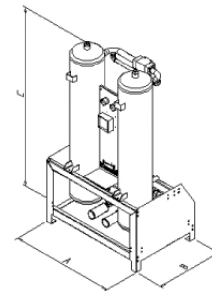
Following the red arrows from 45°C to -20°C then down to the 4 barg line, we find a correction factor of 0.78.

The dryer capacity will be reduced to 78% of the maximum dryer capacity.

The blue arrows show a correction factor 1 for standard operating conditions.

How to select the right dryer:

$$\frac{\text{Compressor capacity}}{0,78} = \text{Required dryer capacity}$$



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