

PRODRY Heatless Desiccant Compressed Air Dryers PD004 - PD035

The PRODRY range of Desiccant Dryers is designed to eliminate moisture problems in compressed air systems. When used in accordance with Walker Filtration coalescing filters, the PRODRY reduces moisture levels to -40°C (-40°F) and -70°C (-94°F) pressure dewpoint.



Dryer model	Pipe size inches	Inlet flow rate*		Dimensions mm						Weight Kg	Filter model
		Nm ³ /h	SCFM	A	B	C	D	E	F		
PD004	3/8	7	4	445	280	92	22	160	415	13.0	A3031XA
PD006	3/8	10	6	504	280	92	22	160	475	14.0	A3031XA
PD008	3/8	14	8	564	280	92	22	160	535	15.0	A3031XA
PD010	3/8	17	10	634	280	92	22	160	605	17.0	A3031XA
PD015	3/8	25	15	814	280	92	22	160	785	20.0	A3031XA
PD025	3/8	42	25	1204	280	92	22	160	1035	24.0	A3031XA
PD035	3/8	59	35	1569	280	92	22	160	1430	31.0	A3031XA

* Stated flows are for an inlet pressure of 7 barg (100 psig) with reference to 20°C, 1 barg (abs.), 0% relative water vapour pressure. For flow at other pressures apply the appropriate correction factors, terms and dewpoint.



Silencer Kit
(6,000 hours)

Desiccant Cartridge Kit
(12,000 hours)

Specification		
Standard pressure dewpoint	-40°C*	-40°F*
Optional pressure dewpoint ISO Class (ISO 8573-1:2010)	-70°C**	-94°F**
Electronic control	12VDC - 24VDC or 100 - 240 VAC at 50 - 60Hz	
Minimum inlet temperature	1.5°C	34°F
Maximum inlet temperature	50°C	122°F
Minimum working pressure	4 barg	58 psig
Maximum working pressure	16 barg	232 psig

* ISO Class 2 (ISO 8573-1:2010)
** ISO Class 1 (ISO 8573-1:2010)

Correction Factors

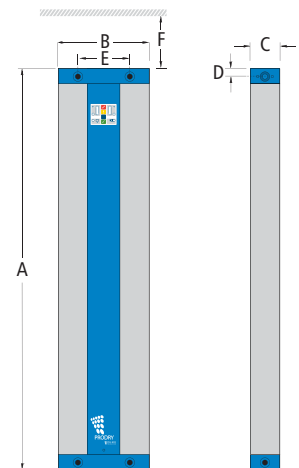
Operating pressure (PCF)													
barg	4	5	6	7	8	9	10	11	12	13	14	15	16
psig	58	72	87	100	116	130	145	160	174	189	203	218	232
Correction factor	0.62	0.75	0.87	1	1.12	1.25	1.37	1.5	1.62	1.75	1.87	2.0	2.12

Temperature (TCF)							
Celsius (°C)	20	25	30	35	40	45	50
Fahrenheit (°F)	68	77	86	95	104	113	122
Correction factor	1.07	1.06	1.04	1	0.88	0.78	0.55

Pressure Dewpoint (DCF) ***		
Celsius (°C)	-40	-70
Fahrenheit (°F)	-40	-94
Correction factor	1	0.7

Technical Notes

- Models PD004 – PD035 supplied complete with XA (0.01 micron) pre-filter.
- An appropriate Walker Filtration Water Separator must be installed. If bulk water enters the adsorption dryer it can cause heat expansion to the desiccant, substantial rise in the dryer differential pressure, lead to poor outlet dewpoint, and cause potential dryer failure. Dryer warranty will be deemed invalid if a high efficiency Water Separator with an efficient condensate drain is not used.
- All dryer applications and sizing should be confirmed by Walker Filtration. Please contact nearest sales team for information on recommended sizing and air quality for your application need.
- Models PD004 – PD035 feature easy removable desiccant cartridges with integral 1 micron Dust Filter.
- For additional security, Walker Filtration recommends fitting an RX1 (1 micron) Dust Filter to the outlet.
- For correction factors please see page 4.



Models PD004-PD035



For more information please contact our distributor:

Easy Filtration

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