

Technical Specification

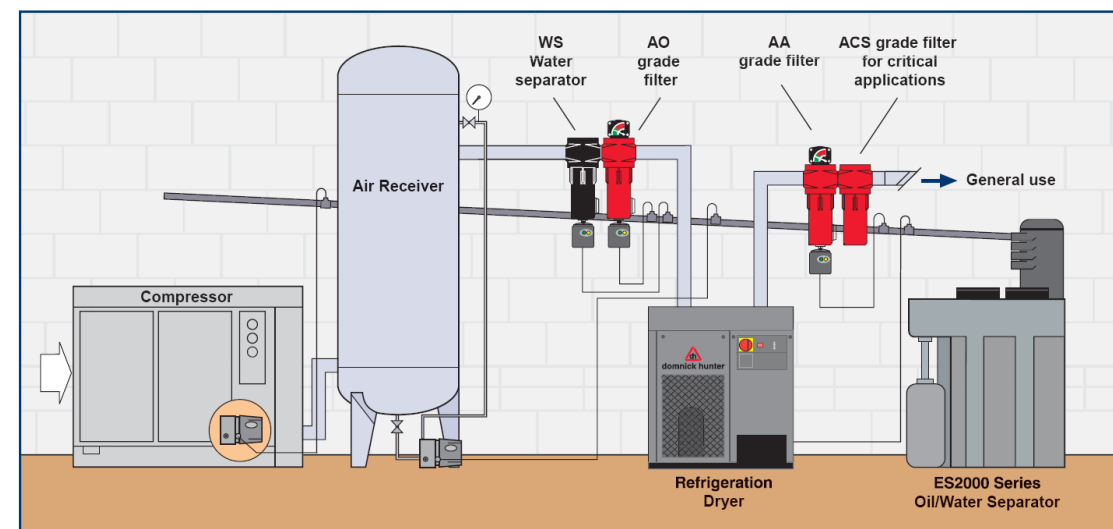
Model	Air flow		Nominal absorbed Power(kw)	Air connect.	Dimensions(mm)			Weight kg	Proposed filter	
	m ³ /min	cfm			Width	Height	Depth		Pre.	Aft.
PDG0500	5	177	0.96	1 1/2"	615	791	552	70	AO-0145G	AA-0145G
PDG0700	7	247	0.98	1 1/2"	615	791	552	70	AO-0145G	AA-0145G
PDG1100	11	389	1.21	2"	920	1015	672	140	AO-0220G	AA-0220G
PDG1400	14	495	1.49	2"	920	1015	672	144	AO-0330G	AA-0330G
PDG1900	18	636	1.49	2"	920	1015	672	150	AO-0330G	AA-0330G
PDG2600	27	954	2.76	DN80	1010	1500	1310	420	AO-0430G	AA-0430G
PDG3500	37	1307	3.19	DN80	1010	1500	1310	450	AO-0620G	AA-0620G
PDG4400	45	1590	4.38	DN100	1010	1500	1310	470	AO-1000F	AA-1000F
PDG6000	60	2120	5.63	DN100	1010	1500	1810	550	AO-1000F	AA-1000F
PDG7300	77	2721	8.57	DN150	1010	1500	1810	580	AO-1300F	AA-1300F
PDG9000	90	3180	7.72	DN150	1010	1500	1810	590	AO-1950F	AA-1950F
PDG11000	110	3887	9.93	DN150	1010	1500	1810	660	AO-1950F	AA-1950F

Performances refer to air suction of FAD 20°C, 1bar A, and the following operating conditions: air suction 25°C/60% RH 7 bar g working pressure, pressure dew-point of 3°C, 25°C cooling air temperature, 35°C compressed air inlet temperature. All indicated data refers to ISO7183. All models supplied with refrigerant R407C and for operation up to 12 barg, 0500-0700 supplied with 220V/1ph/50Hz power supply. Models 1100-11000 with 380V/3ph/50Hz. Water-cooled versions available from model 2600.

Correction Factors

To obtain dryer capacity at new conditions, multiply nominal capacity×C1×C2×C3×C4

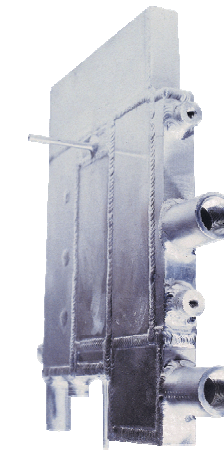
Ambient Temperature °C	20	25	30	35	40	45	50				
Correction factors (C1)	1.03	1.00	0.96	0.92	0.88	0.80	0.70				
Inlet Temperature °C	30	35	40	45	50	55	60				
Correction factors (C2)	1.20	1	0.84	0.71	0.6	0.5	0.45				
Inlet Temperature bar g	3	4	5	6	7	8	9	10	11	12	
Correction factors (C3)	0.74	0.84	0.90	0.96	1.00	1.04	1.06	1.09	1.11	1.13	
Dewpoint °C	3	5	7	10							
Correction factors (C4)	1.00	1.14	1.25	1.35							



Compressed Air Dryer Series PDG

Compressed air

Compressed air is one of the most important source of energy in industry today. However, Compressed air itself contains water, which when not moved, may lead to build up of aggressive condensate, damaging pneumatic automation accessories, equipment and production processes.



DryPack

Maximum Performance

- DryPack's unique condensate removal system allows for very low dew points, with the demister ensuring they are also maintained at partial air flows.
- The hot gas by-pass valve, with its modulating and self-regulating 0-100% operation, ensures that the dryer always works at optimum conditions, even under varying conditions. Its pressure actuated operation is significantly more accurate than temperature activated solutions.

The Solution

The PDG range dryer provides the very latest in drying technology, and is suitable for all compressor types including oil-free.

This series dryer treats compressed air efficiently, eliminating the problems associated with wet, untreated air in the compressed air system.

When fitted with OIL-Xplus efficiency compressed air filters. The PDG represents a performance package capable of providing dried, filtered compressed air has a dew-point of 3°C at a pressure of 7 bar g and clean, free of liquid water.



Drain Niche

Easy to use

- PDG's 60°C inlet and 50°C ambient temperature limits, its compact dimensions, and its modular construction (in compliance with International pressure vessel directives, including PED), allow it to be installed virtually anywhere.
- The easily removable panels, hinged electrical panel, full frontal access and drain niche facilitate servicing.
- The microprocessor control has been specifically developed with the user in mind.