PSI
The natural choice...

Magic Series Modular Dryer

Magic Series Modular Desiccant Dryer consists of extruded aluminum columns which filled with high performance desiccant, drying the compressed air to ISO8573.1 international standard. One column is operational drying, while another column is regenerating.

Magic Series Modular construction eliminates the need for complex valves, huge towers and interconnecting piping which are used in conventional tower dryers.

Choosing PSI Magic Series Modular Dryer means that extra columns can be easily be added if air demand increase in the future.

Features

- **High Quality Air**

Clean,dry compressed air supply in accordance with ISO8573.1:2010 class 3.2.1

- **Reliable Performance**

High quality desiccant ensures stable dew point performance

- **Energy Efficient**

With Dew Point Operation System (DPOS)(optional), Magic Modular Dryer provides maximum energy saving

- **Smart Control**

Equipped with PLC touch screen as standard configuration

- **Space Saving**

Advance aluminium extruded column replacing traditional twin tower dryers, taking up less floor space and making installation easily

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Technical Data

Model	Rated flow rate (m³/min)			connection	Dimensions (mm)			Weight (Kg)
	-20°C	-40°C	-70°C		H	W	D	
PMD104*	1.3	1.2	0.8	1"	745	425	285	39
PMD106*	2.2	2	1.4	1"	945	425	285	51
PMD108*	2.9	2.6	1.8	1"	1145	425	285	64
PMD110*	3.7	3.4	2.4	1"	1345	425	285	77
PMD112*	4.4	4	2.8	1"	1545	425	285	89
PMD115*	5.6	5.1	3.6	1"	1845	425	285	108
PMD116*	5.9	5.4	3.8	1"	1945	425	285	115
PMD210*	7.4	6.7	4.7	2"	1390	400	630	165
PMD212*	8.9	8.1	5.7	2"	1590	400	630	190
PMD215*	12.5	11.4	8	2"	1890	400	630	228
PMD315*	17.5	15.9	11.2	2"	1890	400	795	323
PMD415*	23.4	21.3	14.9	2-1/2"	1890	400	960	418
PMD515*	28.8	26.2	18.4	2-1/2"	1890	400	1125	513
PMD615*	34.6	31.5	22.1	2-1/2"	1890	400	1293	608
PMD715*	/	35.8	25.6	2-1/2"	1890	400	1460	703
PMD815*	/	/	29.7	2-1/2"	1890	400	1625	798

* means different controller option

Function	Power indicator	Fault indicator	Dew point display	ESC Energy Saving	Relay alarm	Dew point sensor alarm	Modbus TCP	Remote start and stop
S	Y	Y					Y	Y
A	Y	Y			Y		Y	Y
E	Y	Y	Y	Y	Y	Y	Y	Y

Product Selection

Correction factor for inlet air temperature CFT

℃	25℃	30℃	35℃	40℃	45℃	50℃
CFT	1.00	1.00	1.00	0.97	0.88	0.73

Correction factor for inlet pressure CFP

Bar	4	5	6	7	8	9	10	11	12	13	14	16
CFP	0. 63	0. 75	0. 88	1. 00	1. 13	1. 25	1. 38	1. 5	1. 63	1. 75	1. 88	32. 1

Correction factor for dew point CFD

PDP	−20	−40	−70
CFD	1. 1	1. 0	0. 7

Actual flow rate=Selected rated flow rate x CFT x CFP x CFD

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