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DESICCANT AIR DRYER, REGENERATIVE, PNEUMATECH, 29CFM, SHM10 ML

SKU: SHM10 ML



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PNEUMATECH SHM10 ML

SHM range of heatless modular desiccant dryer is designed with a compact and rugged box to provide users with all-round reliability and stability while guaranteeing the standard pressure dew point at -20 °C (pressure dew point at -40°C is available but optional).

A time module control is provided, and power-on indication is displayed by LED. When the machine is at the dew point model, the dew point value can be seen on the display, with a high dew point alarm. The remote start and stop function is optional.

Equipped with high-quality components, the SHM heatless modular desiccant dryer provides clean and dry air, extending the service life of your equipment and protecting your products in the whole process. Heatless desiccant dryers use dry and expanded clean gas to desorb moisture from the desiccant.

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PRODUCT DESCRIPTION

High-reliability design for stable operation

- The use of high-quality adsorbent particles ensures the stability of the pressure dew point, and

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the pressure dew point can be achieved up to -40 °C optional.

- Unique compression device is provided to minimize the risk of desiccant powdering
- Well-known branded components are used for durability and reliability

Convenient and practical cabinet design

- Compact cabinet design, easy installation and small footprint
- Aluminum alloy matrix extrusion module is adopted for anti-rust and anti-corrosion
 - No pressure vessel inspection is required
- Modular packing package is provided for easy maintenance

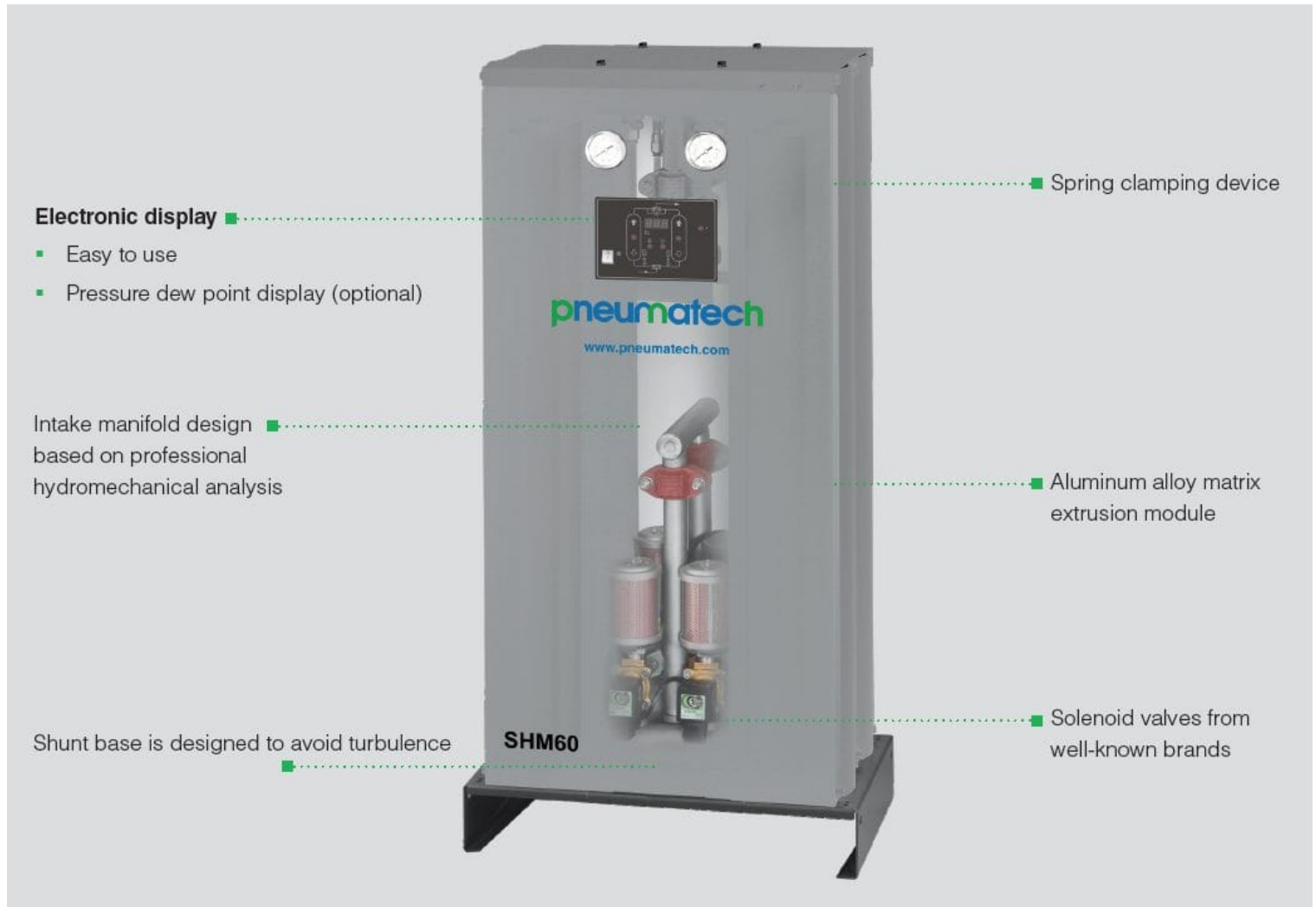
Applications

- Food packaging
- Tools and instruments
 - Pharmaceutical
 - Control systems
- Electronics and semiconductors
 - Automobile manufacturing

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Standard technical parameters

Pressure dew point: -20 °C (-40 °C PDP optional)

Inlet temperature: 2 ~ 50 °C

Working pressure: 7 bar

Ambient temperature: 2 ~ 45 °C

Power supply: 230V/1PH/50&60Hz

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Technical parameters

Model	Capacity m ³ /h	Capacity cfm	Size (mm)	Connection	Pressure Drop (bar)	Electrical Supply	PDP °C
SHM10	48.6	28.6	550x350x950	G 3/4	0.04	230V-1PH-50/60HZ	-20
SHM15	64.8	38.1	550x350x950	G 3/4	0.04	230V-1PH-50/60HZ	-20
SHM20	81	47.7	550x350x950	G 3/4	0.10	230V-1PH-50/60HZ	-20
SHM25	129.6	76.3	550x350x1170	G 3/4	0.14	230V-1PH-50/60HZ	-20
SHM35	162	95.4	550x350x1480	G 1	0.18	230V-1PH-50/60HZ	-20
SHM50	243	143	550x350x1935	G 1	0.30	230V-1PH-50/60HZ	-20
SHM60	275.4	162.1	550x330x1170	G 1	0.14	230V-1PH-50/60HZ	-20
SHM70	324	190.7	550x330x1480	G 1-1/2	0.18	230V-1PH-50/60HZ	-20
SHM80	378	222.5	550x330x1935	G 1-1/2	0.29	230V-1PH-50/60HZ	-20
SHM100	468	275.5	550x330x1935	G 1-1/2	0.46	230V-1PH-50/60HZ	-20
SHM120	576	339	550x490x1935	G 2	0.29	230V-1PH-50/60HZ	-20
SHM140	684	402.6	550x490x1935	G 2-1/2	0.46	230V-1PH-50/60HZ	-20

Intake temperature correction factor

Intake air temperature (°C)	25	30	35	40	45	50
Correction factor	1	1	1	0.84	0.67	0.55

Intake pressure correction factor

Intake pressure (bar)	4	5	6	7	8	9	10
Correction factor	0.62	0.75	0.87	1	1.12	1.25	1.37

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