

Heatless adsorption dryers

PH 4-11 HE



If you're in the market for a small adsorption dryer, you can now enjoy the performance and efficiency benefits of Pneumatech's premium PH HE offer. The new 4-11 size range (4-14 barg/58-203 psig) is compact and low-maintenance, offering you high-quality air with superior flexibility and reliability.

Features and benefits

- Stable low pressure dew point
- Easy desiccant maintenance with straightforward cartridge replacement
- Purge nozzle optimization
- Flexibility with wall mounting brackets included
- Delivered with one pre-filter (C grade) and one integrated dust filter
- PDP control (optional)

General specifications

- Heatless adsorption dryers: extruded profile design
- Dew points achievable: -40°C/-40°F; -70°C/-100°F
- Pressure range: 4-14 barg/58-203 psig
- Ambient temperature range: 1.5-45°C/34.7-113°F
- Inlet temperature range: 1.5-50°C/34.7-122°F
- Power supply: 115VAC-230VAC 50/60Hz

The new high-efficiency compact adsorption dryer

- Air flow designed to deliver high efficiency and reduced energy costs
- High-performance desiccant mix (50% activated alumina and 50% molecular sieves)
- Plug-and-play installation with integrated wall mounting kit (easy 90° feet rotation)
- Fast and easy maintenance

DC1 controller:

- Easy to use
- Optimizes performance and efficiency of the dryer
- Keeps the pressure dew-point stable

Technical specifications for PH 4-11 HE

Specifications	Unit	Technical specifications for PH 4-11 HE (Versions PDP -40° / -40°F)			Technical specifications for PH 4-11 HE (Versions PDP -70°C / -100°F)		
		PH 4 HE	PH 7 HE	PH 11 HE	PH 4 HE	PH 7 HE	PH 11 HE
Nominal volume flow at dryer inlet	l/s	1.5	3	5	1.4	2.8	4.7
	m³/h	5.4	10.8	18	5	10	17
Connections Inlet / Outlet (PUSH-IN)	G	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	NPT	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Pressure drop at max. flow	barg	0.16	0.18	0.2	0.16	0.18	0.2
	psig	2.32	2.61	2.90	2.32	2.61	2.90
Height	mm	430	525	675	430	525	675
	inch	16.9	20.7	26.6	16.9	20.7	26.6
Width	mm	237	237	237	237	237	237
	inch	9.3	9.3	9.3	9.3	9.3	9.3
Length	mm	182	182	182	182	182	182
	inch	7.2	7.2	7.2	7.2	7.2	7.2
Mass	KG	7.5	9.5	12.5	7.5	9.5	12.5
	Lb	16.5	20.9	27.6	16.5	20.9	27.6
Included pre-filter size + integrated dust filter	Fine filter	PMH C 25	PMH C 25	PMH C 25	PMH C 25	PMH C 25	PMH C 25

Options

- PDP control
- Wall-mounting kit support as standard