Heatless Regenerative Dryers

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Pure air . Pure gas

Pneumatech Pride

Pneumatech has been manufacturing energy efficient Regenerative dryers for 50 years. We are proud to introduce this new design heatless desiccant dryer with low pressure drop, improved controls, compact design and many other features you have come to expect from Pneumatech.

See your local Pneumatech distributor, visit our website at www.pneumatech.com/usen/ or give us a call at +1-800-336-2285, we are here to help.

PH-850 to PH-4400

Standard design		Options
Design Pressure:	165 psig/11 bar	232 psig/16 bar
Maximum Working Pressure:	150 psig/10 bar	210 psig/14 bar
Pressure Dew Point:	-40 °F/-40 °C	-100 °F/-70 °C
Electrical Requirement:	115V—1ph—60 Hz	230V—1ph—60 Hz
Enclosure:	NEMA 4	NEMA 4X, 7, 9
Improved Cycle Sight™ control with Remote Start/Stop		Multi-Featured Purelogic™ Advanced Control
ASME & CRN vessels/ CULus electrical approval		Filter Mounting Packages
Average purge is 15% of rated flow		Dew Point Demand Control (DPD)

Features	Benefits
Flanged vessels, optimally designed	Longer contact time/lower bed velocity/reduced leakage
Removable stainless steel screens	Screens and vessels can be inspected and cleaned
Butterfly switching valves with SST disc	Better reliability and efficiency
Full flow, soft seat safety relief valves	Adherence to strict safety standards
Oversized mufflers with relief valves	Lower noise level during purge cycle
Status memory on any controller	Resume cycle where it stopped, avoiding bed saturation
Lifting eyes and forklift openings	Simplified installation
Adjustable purge	Purge optimization with varying inlet pressure
Remote Alarms (Free Contact)	Status information from a distance
Load/Unload Contact (If wired, stops unit when compressor unloads)	Improved operation to match actual demand profile
Large pneumatic line filter	Extended life time and better protection of control devices

Technical data

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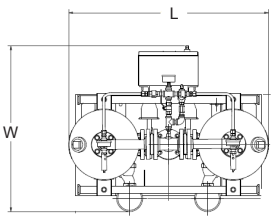
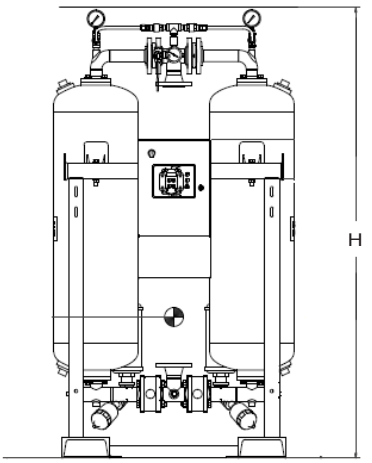
Model Number	SCFM Flow at -40°F PDP		SCFM Flow at -100°F PDP†		Avg. Power (kWh)	In/Out Conn. Size (in)	Pressure Drop (psid)	Dimensions L x W x H (in)	Approx. Shipping Weight (lb)
	165 psig*	232 psig*	165 psig*	232 psig*					
PH-850	850	**	680	**	0.01	ANSI 3	<3.0	47 x 76 x 106	2300
PH-1050	1050	**	840	**	0.01	ANSI 3	<3.0	47 x 76 x 106	2525
PH-1220	1220	**	976	**	0.01	ANSI 3	<3.0	47 x 82 x 98	3150
PH-1500	1500	**	1200	**	0.01	ANSI 4	<3.0	54 x 97 x 106	4450
PH-1700	1700	**	1360	**	0.01	ANSI 4	<3.0	54 x 97 x 106	4675
PH-2000	2000	**	1600	**	0.01	ANSI 4	<3.0	54 x 97 x 106	5100
PH-2600	2600	**	2080	**	0.01	ANSI 4	<3.0	67 x 90 x 131	6100
PH-3000	3000	**	2400	**	0.01	ANSI 6	<3.0	67 x 90 x 131	7500
PH-3400	3400	**	2720	**	0.01	ANSI 6	<3.0	67 x 90 x 131	7900
PH-4400	4400	**	3520	**	0.01	C/F	<3.0	C/F	C/F

* Reference pressure for 165 psig design is 100 psig (max 150 psig), for 232 psig design, reference pressure is 180 psig (max 210 psig). Reference temperature is 100 °F inlet to dryer
** Not a standard option, please send in quote request for Pneumatech Engineered Product
† If -100 °F/ -70 °C option is purchased





Correction Factor Example

Pressure	psig	73	87	100	116	131	145
Des Press: 165 psig	bar	5	6	7	8	9	10
	F1	0.75	0.88	1	1.13	1.25	1.39

Inlet temperature	F	68	77	86	100	104	113	122
	C	20	25	30	38	40	45	50
-40 °F (AA)	F2	1	1	1	1	0.84	0.71	0.55

Dew Point	F	-40	-100
	C	-40	-70
	F3	1	0.8

Max inlet flow for below conditions of PH-850:
130 psig inlet pressure,
104 °F inlet temperature,
-40 °F point target
Nominal flow*F1*F2*F3 = 850*1.25*0.84*1 = 893 cfm

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