

Pneumatech Pride

Pneumatech has been manufacturing energy-efficient desiccant dryers for nearly 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.

The PH 65-3390 S (standard) is a reliable product with an attractive value. If you are in need of more features and options, Pneumatech offers the PH version in a high efficiency (HE) version as well.



PH 65-3390 S

Design standards	PH 65-405 S	PH 390-635 S	PH 760-3390 S
Dew point	-40°C/-40°F	-40°C/-40°F	-40°C/-40°F
Pressure range	4-14.5 bar	4-11 bar/60-159 psi or 11-14.5 bar/159-210 psi	4-11 bar/60-159 psi
Voltages	115-230 V	115-230 V	115-230 V
Frequency	50-60 Hz	50-60 Hz	50-60 Hz
Controller	Basic	Basic	Basic
Technology	Heatless desiccant	Heatless desiccant	Heatless desiccant
Usage	Continuous	Continuous	Continuous
Transportability	Easy to transport	Forklift slots	Forklift slots
Applications	Food & beverage, electronics, general industry	Food & beverage, electronics, general industry	Food & beverage, oil & gas, general industry

Important features & benefits
Flanged larger diameter robust vessel (welded vessel)
Screens and vessels can be inspected and cleaned
Resume cycle where it stopped, avoiding bed saturation
Purge optimization with varying inlet pressure
Status functionality on the controller
Lifting eyes and forklift slots for easy installation
Adjustable purge with low noise level
Remote alarms (free contact)
Load/unload contact (if wired, stops unit when compressor unloads)
Large pneumatic line filter as standard

Options	PH 65-405 S	PH 390-635 S	PH 760-3390 S
Pneumatic control	-	-	•
Sonic nozzle	-	-	•
Working pressure 14.5 bar	-	-	-
Pressure relief valves	-	-	•
Pre/after filter kit	✓	✓	•
High inlet temperature	-	-	•

✓ Standard
 • Optional
 - Not available



50Hz

Type	Max. working pressure		Operating pressure	Air treatment capacity*			Standard dew point	0.1 µm 0.1 mg/mc	0.01 µm 0.01 mg/mc	1 µm n.a. mg/mc	Inlet / outlet connections	Dimensions			Weight	
	bar	psi		bar	l/1'	m³/h						cfm	°C	Pre filters**	Post filters**	Gas
PH 65 S	14.5	210	7	1920	115	67.7	-40	N/A	Std	Std	R 1	550	242	998	64	141
PH 85 S	14.5	210	7	2400	144	84.8	-40	N/A	Std	Std	R 1	550	242	998	64	141
PH 95 S	14.5	210	7	2700	162	95.3	-40	N/A	Std	Std	R 1	550	242	1243	78	172
PH 140 S	14.5	210	7	3900	234	138	-40	N/A	Std	Std	R 1	550	242	1611	98	216
PH 160 S	14.5	210	7	4500	270	159	-40	N/A	Std	Std	R 1	550	358	998	133	293
PH 190 S	14.5	210	7	5400	324	191	-40	N/A	Std	Std	R 1	550	358	1243	158	348
PH 220 S	14.5	210	7	6300	378	222	-40	N/A	Std	Std	R 1	550	358	1611	256	564
PH 275 S	14.5	210	7	7800	468	275	-40	N/A	Std	Std	R 1	550	358	1611	256	564
PH 340 S	14.5	210	7	9600	576	339	-40	N/A	Std	Std	R 1 ½	550	520	1611	310	683
PH 405 S	14.5	210	7	11400	684	403	-40	N/A	Std	Std	R 1 ½	550	520	1611	310	683
PH 390 S	11	159	7	10800	648	381	-40	Std	Std	Std	R 1 ½	1040	840	1760	445	981
	14.5	210	12.5	12900	774	456	-40									981
PH 470 S	11	159	7	13200	792	466	-40	Std	Std	Std	R 1 ½	1040	840	1760	445	981
	14.5	210	12.5	15900	954	561	-40									981
PH 635 S	11	159	7	18000	1080	636	-40	Std	Std	Std	R 2	1046	894	1876	600	1322
	14.5	210	12.5	21600	1296	763	-40									1322
PH 760 S	11	159	7	21600	1296	763	-40	Std	Std	Std	R 2	1100	923	1914	650	1443
	14.5	210	12.5	25800	1548	911	-40									1443
PH 1020 S	11	159	7	28800	1728	1018	-40	Std	Std	Std	R 2 ½	1776	988	2549	970	2154
PH 1330 S	11	159	7	37800	2268	1336	-40	Std	Std	Std	R 2 ½	1884	843	2604	1240	2753
PH 2060 S	11	159	7	58200	3492	2056	-40	Std	Std	Std	R 3	2359	1039	2643	2010	4463
PH 2670 S	11	159	7	75600	4536	2671	-40	Std	Std	Std	R 3	2472	1039	2636	2470	5484
PH 3390 S	11	159	7	96000	5760	3392	-40	Std	Std	Std	R 6	2693	1428	2576	3560	7904

1. **Reference conditions:** Operating pressure: see technical data table / Operating temperature: 35°C/95°F / Relative humidity: 100%.

2. Filters are delivered loose with the dryer.

For conditions differing from the reference conditions, use the below correction factor table.

Correction factors

(Kd) Pressure dew point (°C)	-40	-70
PH 65 S - PH 760 S	1	0.7

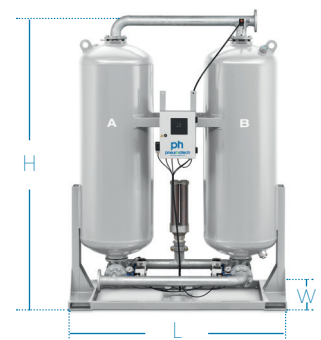
(Kd) Pressure dew point (°C)	20	25	30	35	40	45	50
PH 65 S - PH 760 S	1	1	1	1	0.84	0.71	0.55

(Kt) Air inlet pressure (bar)	4	5	6	7	8	9	10	11	11*	12.5*	13*	14.5*
PH 390 S - PH 760 S	0.47	0.68	0.84	1	1.1	1.2	1.3	1.38	0.89*	1*	1.04*	1.15*

(Kp) Air inlet pressure (bar)	4	5	6	7	8	9	10	11	12	13	14.5	15	16
PH 65 S - PH 405 S	0.62	0.75	0.87	1	1.12	1.25	1.37	1.5	1.62	1.75	1.93	-	-

Air flow x Kt x Kd x Kp

* Applicable for the 14.5 bar version.



Pneumatech reserves the right to change or revise specifications and product design in connection with any features of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

6999900070 - © 2014 Pneumatech. All rights reserved.

