

# Desiccant Dryers



## Pneumatech Pride

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

*The PB blower purge desiccant dryer is targeted at customers with high demands for energy efficiency and reliability.*



# PB 210-3390 HE/S

Design standards	PB 210-635 HE	PB 760-3390 S
Dew point	-40°C/-40°F	-40°C/-40°F
Pressure range	4.5-14.5 bar/65-210 psi	4.5-10 bar/65-150 psi
Voltages	400-460 V	400-460 V
Frequency	50-60 Hz	50-60 Hz
Controller	Purelogic™ controller	Purelogic™ controller
Technology	Blower purge	Blower purge
Usage	Continuous	Continuous
Transportability	Forklift slots	Forklift slots
Common applications	Food & beverage, electronics, oil & gas, power generation	Food & beverage, electronics, oil & gas, power generation

Important features & benefits
Advanced Purelogic™ controller with full communication possibilities
Dew point depending switching with no loss in energy during saturation process
Lifting eyes and forklift slots for easy installation
Remote alarm for status information from a distance
30% extra long-life silica gel to handle harsh conditions
Low watt density heater which results in energy savings
Low kW centrifugal heater for reduced power consumption
Removable stainless steel screens that can easily be removed
Butterfly switching valves with stainless steel disc for better efficiency
Oversized silencers with relief valves for lower noise level
Pressure relief safety valves to comply with strict safety standards

Options	PB 210-635 HE	PB 760-3390 S
Maximum working pressure 14.5 bar/210 psi	✓	•
Pre- & after-filters	✓	•
Minimum pressure valve	✓	–
Optimised purge nozzle	•	–
PDP sensor kit	–	•
PDP -70°C/-100°F	•	–
Reversed in- and outlet pipe	•	–
NEMA4	•	–
Sonic nozzle	•	•
Insulated vessels (standard on -70°C/-100°F)	•	•
Blower inlet filter	•	•
Pressure relief valves	–	•
Pre/after filter kit	–	•
High ambient temperature	–	• (not PB 760)
High inlet temperature	–	•

- ✓ Standard
- Optional
- Not available



# Technical data

## 50Hz

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Pure air . Pure gas

Type	Inlet flow FAD 7 bar(e)/100 psig			Average power consumption		Pressure drop (excluding filters)		Inlet / outlet connections	Filter sizes (recommended)			Dimensions						Weight	
	l/min	m³/h	cfm	kW	hp	bar	psi		Pre-filters		After-filter	mm			in			kg	lbs
								50 Hz: G/PN16 60 Hz: NPT/DN	1 µm 0.1 ppm	0.01 µm 0.01 ppm	1 µm	L	W	H	L	W	H		
PB 210 HE	6000	360	212	2.2	3	0.2	2.9	R 1 1/2	Std	Std	Std	1250	770	1720	49	30	68	640	1421
PB 320 HE	9000	540	318	3.3	4.5	0.2	2.9	R 1 1/2	Std	Std	Std	1300	870	1770	51	34	70	680	1510
PB 390 HE	11100	666	392	3.5	4.7	0.2	2.9	R 1 1/2	Std	Std	Std	1300	870	1770	51	34	70	710	1576
PB 530 HE	15000	900	530	4.8	6.5	0.2	2.9	R 2	Std	Std	Std	1345	955	1816	53	38	71	775	1721
PB 635 HE	18000	1080	636	5.7	7.7	0.2	2.9	R 2	Std	Std	Std	1425	1010	1853	56	40	73	820	1821
PB 760 S	21600	1296	763	8.4	11.3	0.16	2.32	DN 80	Std	Std	Std	1100	1028	1829	43	40	72	1160	2576
PB 1020 S	28800	1728	1018	10.4	14.0	0.16	2.32	DN 80	Std	Std	Std	1764	1024	2558	69	40	101	1275	2831
PB 1330 S	37800	2268	1336	14.8	20.0	0.16	2.32	DN 80	Std	Std	Std	1884	1024	2612	74	40	103	1560	3464
PB 2060 S	58200	3492	2056	21.8	29.4	0.16	2.32	DN 100	Std	Std	Std	2359	1175	2702	93	46	106	2540	5640
PB 2670 S	75600	4536	2671	27.7	37.4	0.16	2.32	DN 100	Std	Std	Std	2472	1175	2681	97	46	106	3035	6739
PB 3390 S	96000	5760	3392	35.3	47.7	0.11	1.595	DN 150	Std	Std	Std	2720	2199	2548	107	87	100	4100	9103

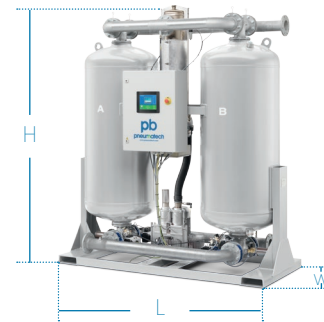
**Reference conditions:**

Performance data for ISO 7183:2007

Compressor air inlet temperature: 35°C/100°F.

Inlet relative humidity: 100%.

Dryer inlet pressure for 11 bar variants, after inlet filtration.



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