Plug-n-Play (PNP)

CARTRIDGE DUST COLLECTORS

DYNACOM
Industrial Filtration
Since 1978

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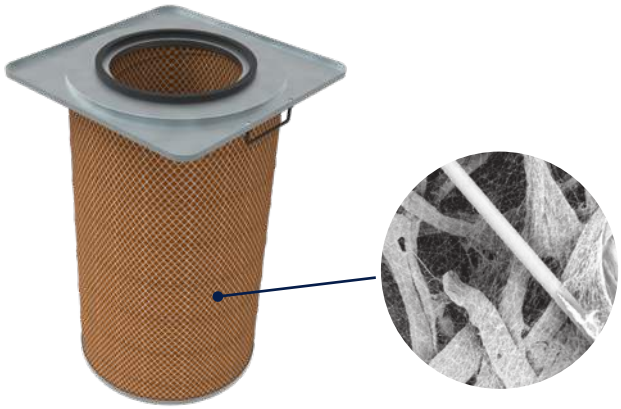
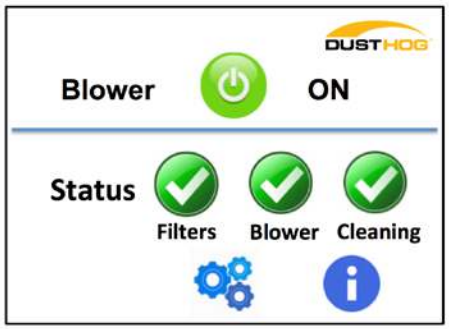
Protura® DH
Nanofiber Technology



Protura DH nanofiber technology is a fine surface membrane applied to the filter substrate that prevents dust from penetrating into the filter pores and plugging the filters. Surface loading minimizes pressure loss and improves filter cleaning, extending filter life.

Protura DH Advantages

- Minimum Efficiency Reporting Value (MERV) 15 initial efficiency / 99.99% operational efficiency.
- Proprietary synthetic blend of fire retardant filter media conforming to UL 900 standards.
- Surface loading enhances dust release during filter cleaning which reduces emissions, noise pollution and compressed air consumption.



Machine Control Technology

- A bright, vivid interactive touchscreen controller makes our dust collectors easier than ever to operate and monitor, while reducing maintenance time.
- Monitors filter pressure drop for the primary and after-filters while alerting when filter change is required.
- Filter pulse cleaning settings including high/low set-points, continuous and downtime cycles.
- Provides external communication options for integration into remote alarms.
- NEMA 4X / IP65 rated providing the durability and reliability needed in harsh manufacturing environments.

Flow Control Technology

Easily adjust airflow to optimize system performance without use of mechanical dampers or complex and expensive variable frequency drives (VFD). It is critical to control air volume in dust collection applications because insufficient air volume leads to poor dust capture or insufficient transport velocity and pulling too much air shortens filter life and wastes energy.

- Rather than operating at full RPM at all times, you can adjust the fan to operate only when required, lower speed means ***significant energy savings*** over mechanical dampers, plus there will be less noise.

Optional Auto Flow

Air volume is measured and the fan automatically adjusts to maintain a specified target as process or filter pressure drop changes

Plug-n-Play (PNP)

Features & Benefits

Rear Compressed Air, Fire Suppression and Electrical Connection
Single point connections for supply voltage and compressed air.

Dirty Air Inlet
Rear inlet box with bolt pattern for a vertical duct connection.

Modern Look and Feel
Rounded corners and flush mount patches align product with target machine applications.

External Flange for Floor Mounting
Plate for anchoring unit to floor.

Dust Drawer
20 Gallon removable dust bin, with casters, pull handle, fork slots bottom emptying valve. Ramp included for easy and safe removal.

Safety After-Filter (Optional)
95% ASHRAE / HEPA After filter for toxic dust. Filter acts as unit silencer.

Integral Blower Module
Features motorized impellor with speed control for precise airflow control. Blower and controls are prewired with a single external termination.

Touchscreen Blower / Pulse Controls
Visual indication of system status and easy to understand operation. 24VDC wiring provides additional layer of product safety. Pulse cleaning options / adjustments.

Heavy Duty Construction
Heavy gauge steel construction with powder coated finish inside and out creating a durable and reliable product.

Simple Filter Maintenance
Cam-action mechanism and underside endcap handle facilitates fast, simple and tool-free filter removal and installation.

10 YEAR WARRANTY

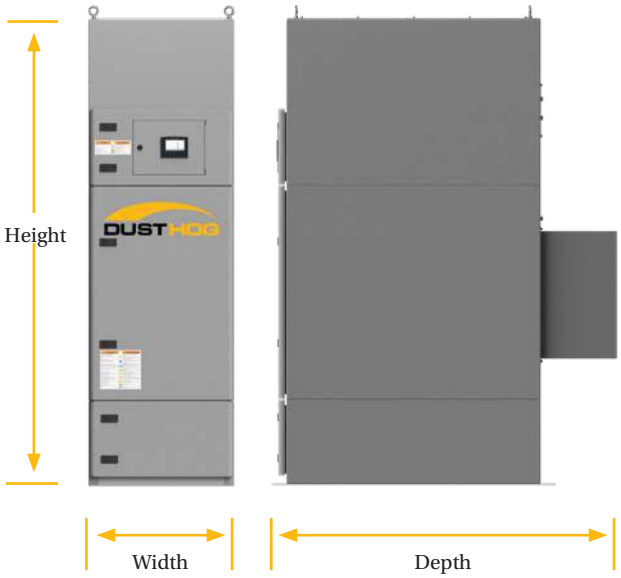
Technical Specifications & Filter Options

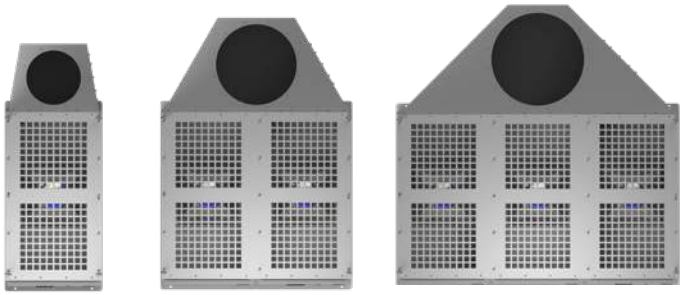
DustHog PNP Product Specifications

Model	Filter Media	Filter Configuration					Unit Dimensions					
		Width	Depth	Qty	Area		Width		Depth		Height*	
					(ft^2)	(m^2)	(in)	(mm)	(in)	(mm)	(in)	(mm)
PNP-12	ProTura DH	1	2	2	1,000	92.9	28.5	724	68.0	1,727	91.6	2,327
PNP-22	ProTura DH	2	2	4	2,000	185.8	57.0	1,448	68.0	1,727	91.6	2,327
PNP-32	ProTura DH	3	2	6	3,000	278.7	85.5	2,172	68.0	1,727	91.6	2,327

* Add additional 12.8" (325 mm) if after-filter option is included.
Sound level for products at nominal flow is approximately 78 dBA at 5 FT. With after-filter, sound level approximately 73 dBA at 5 FT.
Standard product voltage is 380-460 Volt / 3 Phase / 50-60 Hz.

Filter Options




PNP-12 PNP-22 PNP-32

Options and Accessories

- Safety after-filters
  - ASHRAE 95% / HEPA
- Slip, flanged and rolled flange inlet collars
- Remote control panel enclosure
- Auto flow air volume control
- Disconnect switch
- Additional integral blower options
- Additional filter media types and configuration options
- 575V Step down transformer
- Dust drawer liners
- Clean air discharge plenums
- Custom paint colors

DUSTHOG

Parker Hannifin is committed to providing clean air solutions that protect your employees, improve plant performance and enable you to realize your operating goals.

Our commitment is backed by continuous investment in research, leading-edge technology and product development, our people whom are the most knowledgeable in the industry, and a product portfolio that is proven to deliver results. We have been solving problems for you, our customers across the globe for over 50 years.

Industrial Applications

- Welding
- Robotic Weld Cells
- Plasma & Laser Cutting
- Stone
- Bulk Powders
- Fiberglass

Important – Understand and follow NFPA guidance in selecting equipment for your intended application, including required safety devices and testing your dust to determine combustion hazards. At your election, we can coordinate sample collection and testing.

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