

# HP Baghouse Collectors

## Models HPW/HPT 64-320, HPH 30-54



**160HPW8**



**160HPT8**

The HP Baghouse dust collector by Torit provides a reliable, versatile, and high-performance design to handle intermediate-to-high air volumes at low operating pressure drops.

**The HP collector is not just another baghouse.**

Of all modular baghouse collectors, the HP collector provides more cleaning capacity in less space. Compared to conventional pulse-jet systems, the unique Powerflo™ Cleaning System allows for significantly higher air-to-media ratios, resulting in a much smaller and compact overall system size.

The high air inlet reduces upflow velocities and uses gravity to separate heavier dust particles. As a result, filter bag life is extended and bag replacement and maintenance costs are greatly reduced.

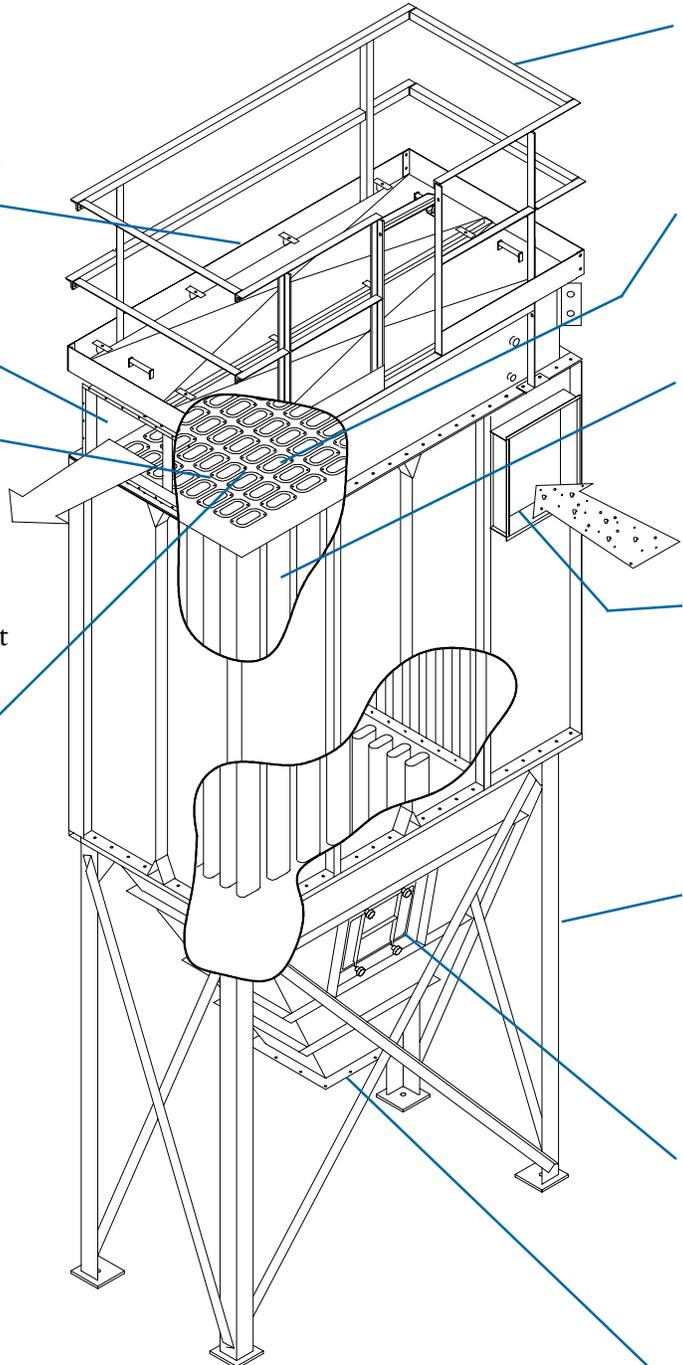
**The HP Baghouse pays off—**

- Lower initial investment because a smaller collector can do the job.
- Lower freight and installation costs because a smaller more compact collector is easier to ship and install.
- Lower maintenance costs—fewer bags, frames, and valves.
- Lower operating costs—Powerflo Cleaning System minimizes the consumption of costly compressed air.
- Powerflo cleaning is easier on bags resulting in less frequent bag replacement.

**Typical Applications**

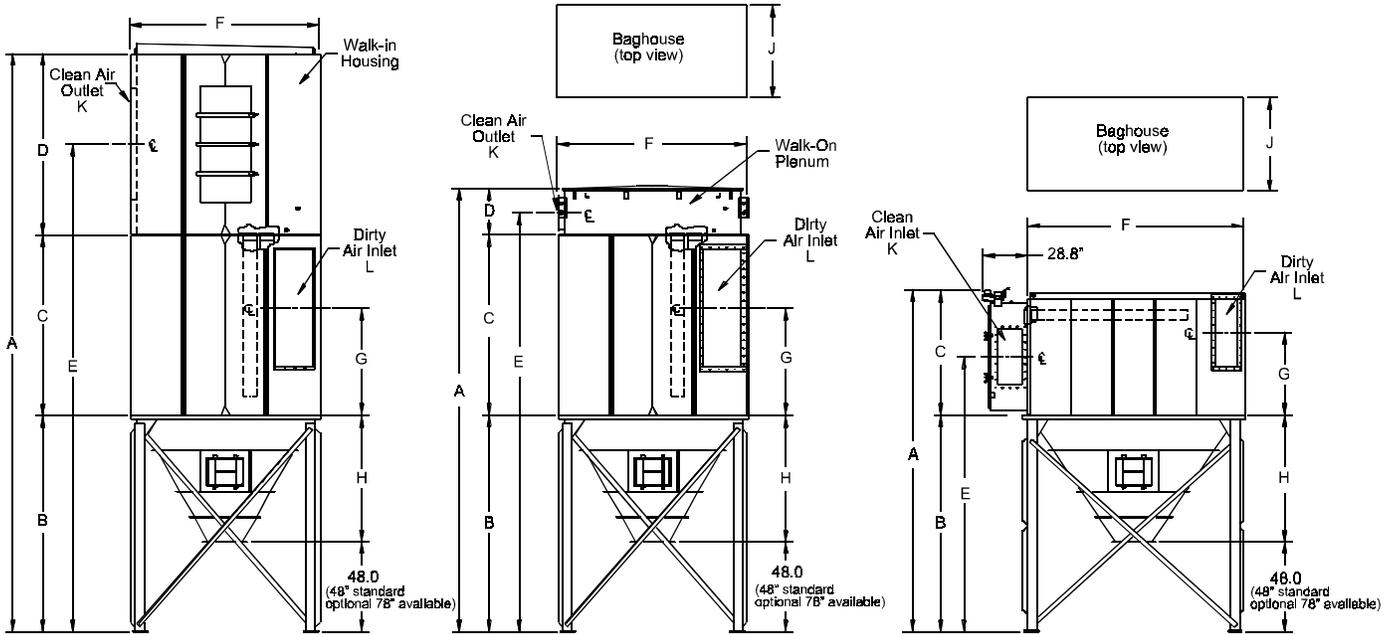
Materials Handled	Typical Average Air-to-Media Ratio	Torit HP Air-to-Media Ratio
Fiberglass	6:1 - 8:1	12:1
Flour	6:1 - 10:1	15:1
Paper	5:1 - 7:1	14:1
Rubber	6:1 - 8:1	15:1
Wood Dust	8:1 - 10:1	16:1

## Benefits of the HP Baghouse Collectors

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- All-welded, heavy-duty ribbed panel housing construction is factory assembled for easy field installation. Heavy-duty tubesheet is 1/4-in steel plate construction.
  - Standard rectangular outlet.
  - Patented, positive seal Boltsafe™ cages provide electrical grounding, easy bag changeout, reduced bag sway, and an airtight seal to the tubesheet. Cages will not rise out of position once they are installed.
  - Powerflo Cleaning System. Super-sonic nozzles' "converging/diverging" design provides an intermittent jet of powerful high volume induced air for efficient bag cleaning.
  - Service railing and kickplate are in compliance with OSHA regulations.
  - Easily accessible filter bags are removed and changed from clean air side.
  - Oval bags provide more radial bag movement during the cleaning cycle, resulting in longer bag life.
  - High inlet design with inlet baffle provides separation of large particulate, reducing the loading on the filter bags and extending filter bag life.
  - Standard leg pack with 48-in clearance features structural design for seismic conditions, zone 4. Optional leg pack with 78-in clearance is available.
  - For easy access and maintenance, each hopper includes a 19 x 14-in standard access panel.
  - Standard single outlet hopper terminates to an 18-in square opening. Double outlet hoppers are optional.
  - Optional platform, ladder, and ladder cages (not shown) are in compliance with OSHA regulations.
- O-ring collar assures positive seal between clean and dirty air plenum.

**Easy to install—built to last.**

## Specifications and Dimensions



### HPW (Walk-In)

Walk-in plenum provides weather protection during maintenance.

### HPT (Top-Access)

Bag maintenance is not subject to confined space rules. Model is often used in hot climates.

### HPH (Horizontal Bags)

Low profile design is useful for indoor applications. Low profile HPH double hopper option reduces height by another 35-in.

Model*	Clean Air cfm	Dimensions (in)											Filter Area ft <sup>2</sup>	Shipping Weight lbs
		A	B	C	D	E	F	G	H	J	K	L		
64HPW	6400-10200	315.8	116.0	97.0	102.8	261.8	102.0	76.5	68.0	52	30 x 58	20 x 25	637	5538
80HPW	8000-12800	315.8	116.0	97.0	102.8	261.8	102.0	73.5	68.0	62	30 x 58	20 x 31	795	6259
96HPW	9600-17280	315.8	116.0	97.0	102.8	261.8	102.0	70.0	68.0	72	30 x 58	20 x 38	954	6712
128HPW	12800-20500	315.8	116.0	97.0	102.8	261.8	102.0	64.0	68.0	92	30 x 58	20 x 50	1272	7837
160HPW	16000-25600	315.8	116.0	97.0	102.8	261.8	102.0	57.5	68.0	112	30 x 58	20 x 63	1590	8714
192HPW	19200-30700	331.5	131.7	97.0	102.8	277.5	192.0	65.0	83.7	72	40 x 47	32 x 48	1908	12500
256HPW	25600-41000	331.5	131.7	97.0	102.8	277.5	192.0	57.0	83.7	92	40 x 63	32 x 64	2544	14000
320HPW	32000-51200	331.5	131.7	97.0	102.8	277.5	192.0	51.5	83.7	112	40 x 78	32 x 80	3180	17000
64HPT	6400-10200	239.5	116.0	97.3	26.2	224.5	102.0	76.5	68.0	52	39 x 15.5	20 x 25	637	4890
80HPT	8000-12800	239.5	116.0	97.3	26.2	224.5	102.0	73.5	68.0	62	49 x 15.5	20 x 31	795	5581
96HPT	9600-17280	239.5	116.0	97.3	26.2	224.5	102.0	70.0	68.0	72	59 x 15.5	20 x 38	954	6006
128HPT	12800-20500	239.5	116.0	97.3	26.2	224.5	102.0	64.0	68.0	92	79 x 15.5	20 x 50	1272	7087
160HPT	16000-25600	239.5	116.0	97.3	26.2	224.5	102.0	57.5	68.0	112	99 x 15.5	20 x 63	1590	8018
192HPT	19200-30700	255.0	131.7	97.3	26.0	240.1	192.0	65.0	83.7	72	59 x 15.5 (2)	32 x 48	1908	10300
256HPT	25600-41000	255.0	131.7	97.3	26.0	240.1	192.0	57.0	83.7	92	79 x 15.5 (2)	32 x 64	2544	10700
320HPT	32000-51200	255.0	131.7	97.3	26.0	240.1	192.0	51.5	83.7	112	99 x 15.5 (2)	32 x 80	3180	14500
30HPH**	3000-4800	183.0	116.0	67.0	--	147.5	116.3	50.4	68.0	37	13 x 30	12 x 24	298	3240
36HPH	3600-5800	183.0	116.0	67.0	--	147.5	116.3	50.4	68.0	42	13 x 30	12 x 24	358	3411
42HPH	4200-6720	183.0	116.0	67.0	--	147.5	116.3	50.4	68.0	47	13 x 30	12 x 24	418	3624
54HPH	5400-8600	183.0	116.0	67.0	--	147.5	116.3	44.4	68.0	57	13 x 30	12 x 36	537	4055

\* Model number indicates quantity of 8-ft long filter bags.

\*\* All dimensions and weights are based on single outlet hopper and 48-in clearance.

# HP Baghouse Collectors

## Standard Equipment

- Collector housing
  - HPW walk-in clean air plenum with top bag removal
  - HPT walk-on clean air plenum with top bag removal
  - HPH side-mounted clean air plenum with horizontal side bag removal
  - All-welded housing construction 12 gauge minimum
  - Heavy-duty 1/4-in plate steel tubesheet
  - Oval 8-ft long bags with 16 oz polyester felt
  - 99.9% mass efficiency with minimal pressure drop
  - Galvanized bag cages
  - Positive seal Boltsafe™ hardware
  - Grounded bag and cage system
- Support Structure
  - 48-in clearance leg pack
- Hopper Design
  - Large pyramid style hopper with minimum 60° angles
  - Single outlet 18-in square
  - Hopper manhole
- Paint System
  - Prime coated interior
  - Blue exterior finish coating passes 250-hour salt spray corrosion performance test
- Electrical Controls
  - Magnehelic®\*\* pressure differential gauge
  - NEMA 4 solenoid valves, 50/60 Hz
  - NEMA 4 pulse controls, 120 VAC, 50/60 Hz

### All Models

Seismic rating	..... Zone 4
Wind load rating	..... 100 mph
Housing rating	..... ±17 "wg
Compressed air	..... 90–100 psig
Air consumption	..... 1.1 SCF/pulse/valve
Power (valves & controls)	..... 120 VAC 50/60 Hz
Maximum standard operating temperature	..... 150°F

## Optional Equipment

- Stainless steel construction
- High temperature construction
- Explosion vents
- Cages, ladder, and platform per OSHA specifications
- Variety of special filter medias including Tetratex®\*\*
- Double outlet hopper
- Trough hopper
- 78-in clearance leg pack
- Electrical control panels
- Volume control damper
- Sprinkler taps
- Photohelic®\*\* gauge
- Hopper discharge
  - Slide gate pack
  - Rotary valves
- Fan packages
- Fan silencers
- Exterior finish coatings for hostile environments
- Custom painted colors

\* Magnehelic and Photohelic are registered trademarks of Dwyer Instruments, Inc.

\*\* Tetratex is a registered trademark of Tetratex Corporation, a Donaldson Company.

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