

Donaldson®  
Torit®

**LP BAGHOUSE  
DUST COLLECTORS**

**DURA-LIFE™**  
**Twice The Life Filter Bags**



## DEPENDABLE, REVERSE AIR ROUND BAGHOUSE

The Donaldson® Torit® LP Baghouse dust collector provides superior bag filter cleaning performance in a reverse air design. The LP advantage is a cleaning arm with a flow-stop plate that keeps air from flowing through the bag filters before and after cleaning. Dust from cleaned bag filters cannot be re-entrained onto adjacent bags, resulting in lower pressure drop and reduced energy costs. Combine this with Dura-Life™ “Twice the Life” bag filters as standard and this LP Baghouse is better than any other reverse air collector on the market today.

### The LP Features:

- **Flow-stop plate cleaning arm reduces dust re-entrainment**
- **Integrated helix in hopper reduces dust loading on bag filters**
- **Award winning Dura-Life™ “Twice the Life” bag filters**
- **Single inlet, outlet and hopper reduces ducting and hopper outlet costs**
- **LP cleaning provides a constant process airflow and fewer moving parts, which reduces maintenance and disruptions to system airflow**
- **LP cleaning system requires no compressed air**
- **Optional live bottom hopper grinds dusts to prevent bridging in hopper**



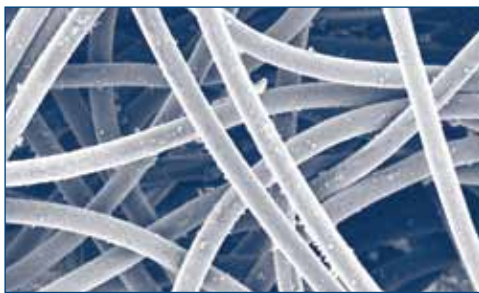
The LP cleaning arm features a flow-stop plate, which stops the airflow through recently cleaned bags to reduce dust re-entrainment

## SUPERIOR PERFORMANCE

WITH DURA-LIFE™ “TWICE THE LIFE”  
BAG FILTERS

**DURA-LIFE™ — A TECHNOLOGY BREAKTHROUGH FOR BAG USERS****STANDARD IN ALL DONALDSON TORIT LP BAGHOUSE COLLECTORS**

Traditional 16 oz. polyester bags are produced with a needling process that creates larger pores where dust can embed into the fabric, inhibiting cleaning and reducing bag life. Dura-Life bags are engineered with a unique hydroentanglement process that uses water to blend the fibers. This process provides a more uniform material with smaller pores, better surface loading, and better cleaning. These advantages provide twice the operating life before bags need to be replaced due to pressure drop. Longer life from Dura-Life bags lowers maintenance and operating costs and raises baghouse dust collection to a whole new level.



**Dura-Life Bag-Clean Air Side**  
(300x)



**Polyester Bag-Clean Air Side**  
(300x)

These photos were taken with a scanning electron microscope of bag media used in a collector that was filtering fly ash. The bags were removed after 2,700 hours of use. Air-to-media ratio was 4.5 to 1. Pressure drop was 6 in. on polyester bags and 2 in. on Dura-Life.

**DURA-LIFE BAGS PROVIDE BIG BENEFITS**

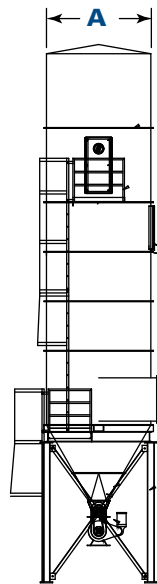
Dura-Life technology provides better surface loading and better pulse cleaning, resulting in:

- Two to three times longer bag life
- Energy savings due to lower pressure drop
- Reduced replacement bag costs due to fewer bag changeouts
- Reduced maintenance and operating costs due to fewer bag changeouts
- 30% fewer emissions based on EPA tests

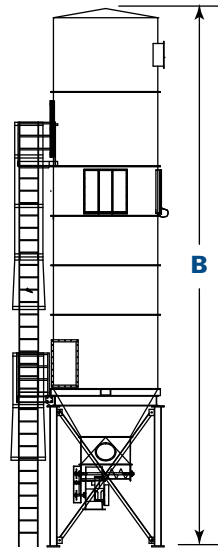


## DIMENSIONS &amp; SPECIFICATIONS

## MODEL LP-108\* SHOWN

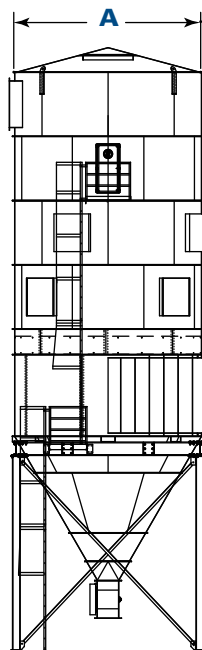


Front View LP

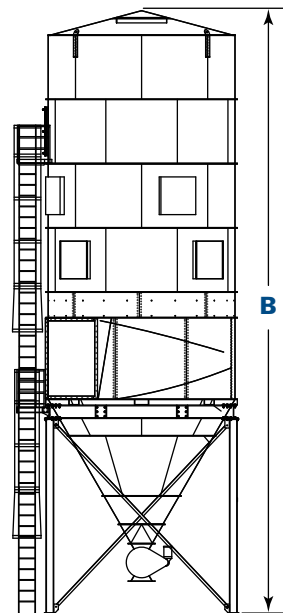


Side View LP

## MODEL LP-528\*\* SHOWN



Front View LP



Side View LP

\* Model 108 LP shown with optional live bottom hopper and rotary valve.

\*\* Model 528 shown with optional rotary valve.

## DIMENSIONS &amp; SPECIFICATIONS

| Model   | Nominal<br>Airflow <sup>†</sup><br>(cfm) | Cloth Area<br>(ft <sup>2</sup> ) | Length of<br>Bag Filters<br>(ft <sup>2</sup> ) | Cleaning<br>Fan<br>(hp) | Shipping<br>Weight*<br>(lbs) | Dimensions<br>(inches) |       |
|---------|------------------------------------------|----------------------------------|------------------------------------------------|-------------------------|------------------------------|------------------------|-------|
|         |                                          |                                  |                                                |                         |                              | A**                    | B**   |
| 72LP10  | 9,600                                    | 1,200                            | 10                                             | 7.5                     | 8,500                        | 85.9                   | 437.6 |
| 72LP12  | 11,520                                   | 1,440                            | 12                                             | 7.5                     | 9,000                        | 85.9                   | 485.6 |
| 108LP10 | 14,400                                   | 1,800                            | 10                                             | 10                      | 11,000                       | 101.3                  | 478.3 |
| 108LP12 | 17,280                                   | 2,160                            | 12                                             | 10                      | 14,000                       | 101.3                  | 526.8 |
| 150LP10 | 20,000                                   | 2,500                            | 10                                             | 10                      | 13,500                       | 116.5                  | 485.6 |
| 150LP12 | 24,000                                   | 3,000                            | 12                                             | 10                      | 14,500                       | 116.5                  | 534.1 |
| 198LP10 | 26,400                                   | 3,300                            | 10                                             | 15                      | 16,000                       | 131.8                  | 512.2 |
| 198LP12 | 31,680                                   | 3,960                            | 12                                             | 15                      | 17,000                       | 131.8                  | 560.7 |
| 252LP10 | 33,600                                   | 4,200                            | 10                                             | 15                      | 19,500                       | 147.1                  | 517.8 |
| 252LP12 | 40,320                                   | 5,040                            | 12                                             | 15                      | 21,000                       | 147.1                  | 566.3 |
| 312LP10 | 41,600                                   | 5,200                            | 10                                             | 20                      | 22,500                       | 162.4                  | 553.1 |
| 312LP12 | 49,920                                   | 6,240                            | 12                                             | 20                      | 24,000                       | 162.4                  | 601.6 |
| 378LP10 | 50,400                                   | 6,300                            | 10                                             | 25                      | 28,500                       | 177.7                  | 537.1 |
| 378LP12 | 60,480                                   | 7,560                            | 12                                             | 25                      | 30,000                       | 177.7                  | 585.6 |
| 450LP10 | 60,000                                   | 7,500                            | 10                                             | 25                      | 33,500                       | 192.9                  | 612.2 |
| 450LP12 | 72,000                                   | 9,000                            | 12                                             | 25                      | 35,500                       | 192.9                  | 660.7 |
| 528LP10 | 70,400                                   | 8,800                            | 10                                             | 25                      | 38,500                       | 208.3                  | 603.8 |
| 528LP12 | 84,480                                   | 10,560                           | 12                                             | 25                      | 41,000                       | 208.3                  | 675.8 |
| 594LP10 | 79,200                                   | 9,900                            | 10                                             | 30                      | 45,000                       | 223.6                  | 669.0 |
| 594LP12 | 95,040                                   | 11,880                           | 12                                             | 30                      | 48,000                       | 223.6                  | 741.0 |
| 684LP10 | 91,200                                   | 11,400                           | 10                                             | 40                      | 51,000                       | 238.8                  | 696.4 |
| 684LP12 | 109,440                                  | 13,680                           | 12                                             | 40                      | 53,500                       | 238.8                  | 768.4 |
| 780LP10 | 104,000                                  | 13,000                           | 10                                             | 40                      | 63,500                       | 254.1                  | 733.6 |
| 780LP12 | 124,800                                  | 15,600                           | 12                                             | 40                      | 67,000                       | 254.1                  | 805.6 |
| 882LP10 | 117,600                                  | 14,700                           | 10                                             | 50                      | 77,500                       | 269.3                  | 748.8 |
| 882LP12 | 141,120                                  | 17,640                           | 12                                             | 50                      | 82,500                       | 269.3                  | 820.8 |

† Based on clean filters.

\* Legs included in weight.

\*\* Dimensions should be used as general estimates. Height is based on unit with 36" clearance under hopper outlet pack and explosion vents. Be sure to look at dimensions after options are selected.



LP baghouse dust collectors can be equipped with bin houses to shelter 40 yard dumpsters and dust from adverse weather conditions. The bin houses come with ceiling-mounted leveling screws, which evenly distribute dust throughout the entire dumpster.

PROVEN PERFORMANCE ON HUNDREDS OF APPLICATIONS



**DUAL 594LP12**

at door plant (180,000+ cfm/combined)



**882LP12**

at almond plant (140,000 cfm/each)



**THREE 684LP12**

at almond shelling plant (100,000 cfm/each)



**528LP12**

at cabinet factory (70,000 cfm)



**Two 594LP12**

at a cabinet plant (80,000 cfm/each)



**780LP12**

at coal classifying plant (75,000 cfm)

## STANDARD FEATURES &amp; AVAILABLE OPTIONS

| Collector Design                                  | Std | Opt | Hopper Design                                     | Std | Opt |
|---------------------------------------------------|-----|-----|---------------------------------------------------|-----|-----|
| Clean-Side Bag Removal                            | X   |     | 60° Hoppers                                       | X   |     |
| Walk-In Clean Air Plenum                          | X   |     | Flanged Hopper Discharge (per specification)      | X   |     |
| 10-Gauge Carbon Steel Construction                | X   |     | Hopper Access Panel                               | X   |     |
| Heavy-Duty 7 Gauge Plate Tubesheet                | X   |     | Coupling for High Level Indicator                 | X   |     |
| Rated 17-inches Water Gauge                       | X   |     | Lexan View Port                                   | X   |     |
| Internal Sweep Arm Cleaning Mechanism             | X   |     | High Level Indicator                              |     | X   |
| Explosion-Proof Reverse Air Fan & Motor*          | X   |     | <b>Support Structure</b>                          |     |     |
| Aluminum Fan Wheel                                | X   |     | 36" Clearance Leg Pack                            | X   |     |
| Flanged Inlet, Outlet & Body                      | X   |     | Custom Clearance Leg Packs                        |     | X   |
| Easy-Lift Lifting Ears                            | X   |     | <b>Electrical Controls, Gauges and Enclosures</b> |     |     |
| Tangential Inlet                                  | X   |     | Magnehelic*** Gauge                               | X   |     |
| Service Platform & Ladder & Ladder Cages          |     | X   | Photohelic*** Gauge                               |     | X   |
| Stainless Steel Construction                      |     | X   | Photohelic® Gauge (Weatherproof)                  |     | X   |
| <b>Bags &amp; Cages</b>                           |     |     | <b>Safety Features</b>                            |     |     |
| Dura-Life Twice the Life Felt Snap-In Bag Filters | X   |     | Sprinkler Kit Assembly                            |     | X   |
| Galvanized Snap-In Bag Cage                       | X   |     | Explosion Vents                                   |     | X   |
| Variety of Filter Bag Media Options               |     | X   | Interior Light for Walk-In Plenum                 |     | X   |
| <b>Paint System</b>                               |     |     | <b>Warranty</b>                                   |     |     |
| Prime Coated Interior                             | X   |     | 10-Year Warranty                                  | X   |     |
| Liquid Alkyd Finish Exterior                      | X   |     |                                                   |     |     |
| Standard Colors: Torit Blue or Storm White        | X   |     |                                                   |     |     |
| Custom Colors                                     |     | X   |                                                   |     |     |

\* All 60 Hz motors 1 HP and above are compliant with EISA.

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



## GLOBAL SUPPORT



- Facilities in 37 countries
- 40 manufacturing plants and 14 distribution centers
- Sales offices worldwide

## LEADING TECHNOLOGY



- Over 1,000 engineers and scientists worldwide
- Broad range of innovative collectors and filters
- 100s of filter media formulations

## EXPERIENCE & SERVICE



- Technical expertise and support
- Ready-to-ship filters and parts within 24 hours
- 1,000,000+ dust, fume, and mist collectors installed



**Call Donaldson Torit  
to get Cleaner Air today**

**Craig Equipment Company**

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