

ASHRAE® PURO Lok ASA

ASHRAE Side Access Filter Housing

Introduction

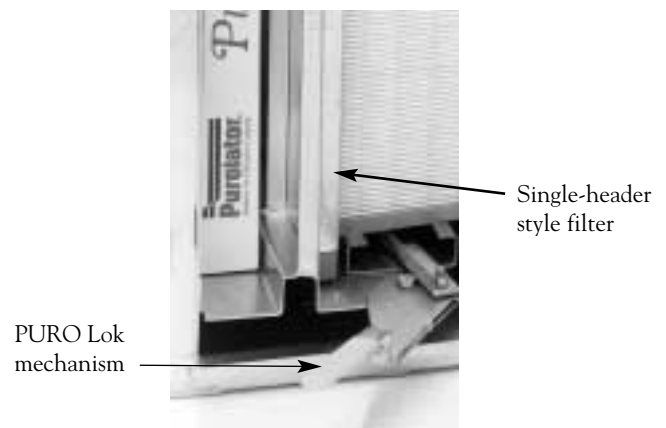
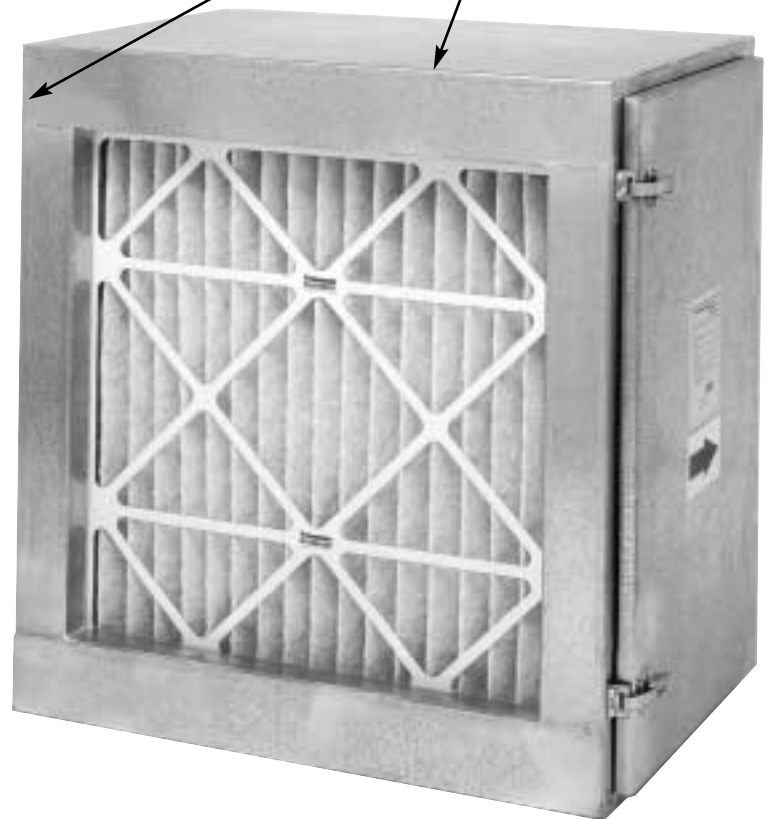
The Purolator ASHRAE PURO® Lok ASA filter housing is a multistage unit for 2" prefilters, combined with 3/4" header models of medium and high efficiency extended surface SERVA-PAK™, AERO-CELL™, SERVA-CELL® or DEFIANT® final filter products. This unique housing utilizes a mechanism that locks down the final filter header to eliminate bypass. A broad range of sizes are available to accommodate most system requirements. NOTE: Housing accommodates 5-7/8" through 11-1/2" filters, with as small as 19" in-line depth available.

Each housing is constructed with specific features which increase product versatility, integrity, and ease of use.

Construction features

- Factory assembled of 16-gauge galvanized steel into a one-piece construction to insure easy field installation.
- Positive lock latches provide a tight seal along the perimeter of every door. For ease of access, double doors can serve as an alternative means for customization to the unit.
- For added strength, corner gussets are positioned along the upstream side of the system. To eliminate air leakage, each seam is intermittently welded and sealed with silicone compound. To increase rigidity, center stabilizer bars are incorporated on models wider than 24".
- Each door is fully gasketed to guard against leakage around ASHRAE prefilter/final filter combinations.
- PURO Lok mechanism positively seals off the filter header.
- Flanges are turned in providing a flat surface on top of the housing.
- Standard housing pressure limits are $\pm 3"$ W.G.

Inward-turned flanges  Standard flat top 



Purolator®
Air Filtration
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Options

- Insulation: Housings requiring insulation will include 1" foil coated fiber board. Contact factory for other options.
- Construction materials: All ASA housings are available in 16 gauge 304-2B stainless steel. Contact factory for pricing.
- Vertical flow housings: All standard features apply—removable doors promote ease of access to filter assembly.
- Custom flanged housings: All housings are available with custom flanges to match air handler specifications. Contact factory for information.
- High pressure housing available to withstand 10" W.G.
- Installed magnehelic gauges.
- Bottom access to filters is available on units that are no greater than one filter high.
- Static pressure ports are available to measure each filter.

Filter Selection

Purolator standard PURO Lok housings with extruded aluminum tracks will accommodate 2" prefilters and medium/high efficiency SERVA-PAK™, AERO-CELL™, SERVA-CELL® and DEFIANT® final filters with 3/4" headers.

Prefilters: Fits nominal 2" deep filters as standard. Refer to the hi-E 40™, MARK 80®-D DEFIANT®, and PAF 11™ prefilter literature for available options.

Final filters: Fits extended surface bag and box filters with nominal 3/4" headers and length up to 11-1/2".

Dimensions

Height	Dimension	Width	Dimension
1/2	17-1/4"	1	27-5/8"
1	29-1/4"	1-1/2	39"
1-1/2	41-1/4"	2	51"
2	53-1/4"	2-1/2	62-3/8"
2-1/2	65-1/4"	3	74-3/8"
3	77-1/4"	3-1/2	85-3/4"
3-1/2	89-1/4"	4	97-3/4"
4	101-1/4"	4-1/2	109-1/8"

All dimensions are outside measurements and are noted in foot or half-foot increments. Turned in flanges are included on each of the four (4) sides. Dimensions are calculated based on specification of nominal 24 x 24 filters. For other size data, contact factory.

Please note: Housing depth is 19" and the deepest filter depth that can be accommodated is 11-1/2".

Housings wider than three wide will have two doors, making filters removable from both sides.

Suggested Product Specifications

1. The PURO LOK ASHRAE Side Access housing shall be manufactured by Purolator Air Filtration Company.
2. The housing shall be side access and will be constructed from 16 gauge galvanized (Optional 16 GA 304 stainless steel). The housing shall have flanges turned inward for a flat top. The housing shall have a depth of 19". All housings shall be intermittently welded and caulked along with corner gussets for additional strength.
3. Housing shall have a "PURO LOK" locking mechanism to seal a single header 5-7/8" or 11-1/2" deep. ASHRAE final filter to the sealing flange. In front of each final filter there shall be a 2" prefilter track. The PURO LOK locking mechanism shall be removable without the use of any special tooling.
4. Access door shall have positive door latches to provide a tight seal. Each door is fully gasketed to guard against leakage.



207 Johnston Parkway
P.O. Box 940
Kenly, NC 27542

3800 Pell Circle
Sacramento, CA 95838

880 Facet Road
Henderson, NC 27536

212 Durham Ave.
Metuchen, NJ 08840

4101 Kimmel Dr.
Davenport, IA 52802

Toll-Free
Phone: 800-843-0116
Fax: 800-233-9696

Local:
Phone: 919-284-2046
Fax: 919-284-5696

Website:
www.purolatorair.com

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