

Carbon PURO[®] Seal CSA

Carbon Side Access Filter Housing

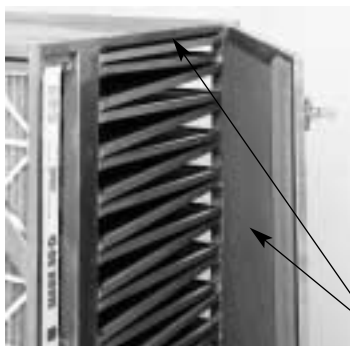
Introduction

The Purolator Carbon PURO-Seal CSA filter housing is a multistage unit for 2" or 4" prefilters, combined with 3/4" carbon trays designed to remove gas/vapor contaminants. A broad range of sizes are available to accommodate most system requirements.

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

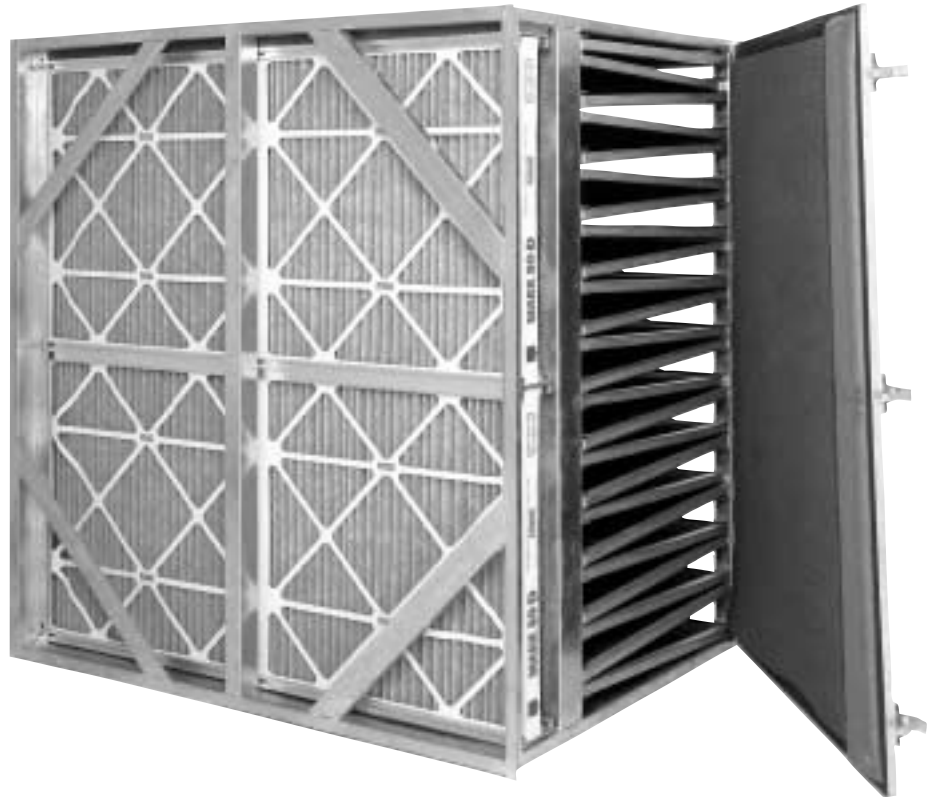
Construction features

- Factory assembled of 16-gauge galvanized steel into a one-piece construction to insure easy field installation. Housings are intermittently welded and caulked.
- For added strength, corner gussets are positioned along the upstream side of the system. To eliminate air leakage, each seam is intermediate welded and sealed with silicone compound. To increase rigidity, center stabilizer bars are incorporated on models wider than 24".
- Positive lock door latches provide a tight seal along the perimeter of every door. For ease of access, double doors can serve as an alternative means for customized access to the unit.
- Each door is fully gasketed (rubber type) to guard against leakage around carbon filter combinations.
- All CSA track systems are manufactured for ease of installation, and are gasketed to prevent air bypass.



- One inch (1") installation flanges are included on all units. Custom flanges available upon request.
- Housings wider than 3 wide will have two doors, making filters removable from both sides.

weather strip
gasket



Options

- Weatherproofing: Refers to a pitched roof of 16-gauge material; also includes rainguard over the door.
- Insulation: Housings requiring insulation will include 2" foil back. Contact factory for other options.
- Double wall insulated construction: Each housing door is insulated with a 1" fiber board between (2) pieces of 16-gauge galvanized steel.
- Epoxy coated housings: Contact factory for pricing and lead-time.
- Construction materials: All CSA housings are available in 304-2B stainless steel and 16-gauge galvanized steel. Contact factory for pricing.


Purolator[®]
Air Filtration
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Options (continued from front)

- Vertical flow housings: All standard features apply—removable doors promote ease of access to filter assembly.
 - Transitions are available.
 - Custom flanged housings: All housings are available with custom flanges to match air handler specifications. Contact factory for information.
- * 2" or 4" dusting filter can be provided for air outlet side.

Filter Selection

Prefilters: Fits nominal 2" and 4" deep filters as standard. Refer to the prefilter literature for available options.

Housing depth using 2" prefilters—36" deep

Housing depth using 4" prefilters—38" deep

Carbon trays: 3/4" deep. Special sizes are available.

NOTE: Tray arrangements are based on 12 trays per 24" height. Trays are refillable.

Dimensions

| Unit | Height (inches) | Width (inches) | Carbon Trays req. 24 x 24 x 1 | Carbon Trays req. 12 x 24 x 1 | Unit | Height (inches) | Width (inches) | Carbon Trays req. 24 x 24 x 1 | Carbon Trays req. 12 x 24 x 1 |
|---------|-----------------|----------------|-------------------------------|-------------------------------|---------|-----------------|----------------|-------------------------------|-------------------------------|
| 1/2x1 | 14-1/4 | 25-5/8 | 6 | | 2-1/2x1 | 62-3/4 | 25-5/8 | 30 | |
| 1/2x2 | 14-1/4 | 49-1/4 | 12 | | 2-1/2x2 | 62-3/4 | 49-1/4 | 60 | |
| 1/2x3 | 14-1/4 | 72-7/8 | 18 | | 2-1/2x3 | 62-3/4 | 72-7/8 | 90 | |
| 1/2x4 | 14-1/4 | 96-1/2 | 24 | | 2-1/2x4 | 62-3/4 | 96-1/2 | 120 | |
| 1/2x5 | 14-1/4 | 120-1/8 | 30 | | 2-1/2x5 | 62-3/4 | 120-1/8 | 150 | |
| 1/2x6 | 14-1/4 | 143-3/4 | 36 | | 2-1/2x6 | 62-3/4 | 143-3/4 | 180 | |
| 1x1 | 26-1/4 | 25-5/8 | 12 | 0 | 3x1 | 74-3/4 | 25-5/8 | 36 | 0 |
| 1x1-1/2 | 26-1/4 | 37-1/4 | 12 | 12 | 3x1-1/2 | 74-3/4 | 37-1/4 | 36 | 36 |
| 1x2 | 26-1/4 | 49-1/4 | 24 | 0 | 3x2 | 74-3/4 | 49-1/4 | 72 | 0 |
| 1x2-1/2 | 26-1/4 | 60-7/8 | 24 | 12 | 3x2-1/2 | 74-3/4 | 60-7/8 | 72 | 36 |
| 1x3 | 26-1/4 | 72-7/8 | 36 | 0 | 3x3 | 74-3/4 | 72-7/8 | 108 | 0 |
| 1x3-1/2 | 26-1/4 | 84-5/8 | 36 | 12 | 3x3-1/2 | 74-3/4 | 84-5/8 | 108 | 36 |
| 1x4 | 26-1/4 | 96-1/2 | 48 | 0 | 3x4 | 74-3/4 | 96-1/2 | 144 | 0 |
| 1x4-1/2 | 26-1/4 | 108-1/8 | 48 | 12 | 3x4-1/2 | 74-3/4 | 108-1/8 | 144 | 36 |
| 1x5 | 26-1/4 | 120-7/8 | 60 | 0 | 3x5 | 74-3/4 | 120-7/8 | 180 | 0 |
| 1x5-1/2 | 26-1/4 | 131-3/4 | 60 | 12 | 3x5-1/2 | 74-3/4 | 131-3/4 | 180 | 36 |
| 1x6 | 26-1/4 | 143-3/4 | 72 | 0 | 3x6 | 74-3/4 | 143-3/4 | 216 | 0 |
| 1-1/2x1 | 38-1/2 | 25-5/8 | 18 | | 3-1/2x1 | 87 | 25-5/8 | 42 | |
| 1-1/2x2 | 38-1/2 | 49-1/4 | 36 | | 3-1/2x2 | 87 | 49-1/4 | 84 | |
| 1-1/2x3 | 38-1/2 | 72-7/8 | 54 | | 3-1/2x3 | 87 | 72-7/8 | 126 | |
| 1-1/2x4 | 38-1/2 | 96-1/2 | 72 | | 3-1/2x4 | 87 | 96-1/2 | 168 | |
| 1-1/2x5 | 38-1/2 | 120-1/8 | 90 | | 3-1/2x5 | 87 | 120-1/8 | 210 | |
| 1-1/2x6 | 38-1/2 | 143-3/4 | 108 | | 3-1/2x6 | 87 | 143-3/4 | 252 | |
| 2x1 | 50-1/2 | 25-5/8 | 24 | 0 | 4x1 | 99 | 25-5/8 | 48 | 0 |
| 2x1-1/2 | 50-1/2 | 37-1/4 | 24 | 24 | 4x1-1/2 | 99 | 37-1/4 | 48 | 48 |
| 2x2 | 50-1/2 | 49-1/4 | 48 | 0 | 4x2 | 99 | 49-1/4 | 96 | 0 |
| 2x2-1/2 | 50-1/2 | 60-7/8 | 48 | 24 | 4x2-1/2 | 99 | 60-7/8 | 96 | 48 |
| 2x3 | 50-1/2 | 72-7/8 | 72 | 0 | 4x3 | 99 | 72-7/8 | 144 | 0 |
| 2x3-1/2 | 50-1/2 | 84-5/8 | 72 | 24 | 4x3-1/2 | 99 | 84-5/8 | 144 | 48 |
| 2x4 | 50-1/2 | 96-1/2 | 96 | 0 | 4x4 | 99 | 96-1/2 | 192 | 0 |
| 2x4-1/2 | 50-1/2 | 108-1/8 | 96 | 24 | 4x4-1/2 | 99 | 108-1/8 | 192 | 48 |
| 2x5 | 50-1/2 | 120-7/8 | 120 | 0 | 4x5 | 99 | 120-7/8 | 240 | 0 |
| 2x5-1/2 | 50-1/2 | 131-3/4 | 120 | 24 | 4x5-1/2 | 99 | 131-3/4 | 240 | 48 |
| 2x6 | 50-1/2 | 143-3/4 | 144 | 0 | 4x6 | 99 | 143-3/4 | 288 | 0 |

- All dimensions are outside dimensions and are noted in foot or half-foot increments.
- Dimensions are calculated based on specification of nominal size 24 x 24 filters. Contact factory for other size data.
- Carbon trays sizes are nominal. Contact factory for other size data.
- Tray arrangements are based on 12" trays per 24" height.



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