

# Carbon PURO<sup>®</sup> Seal CSA

## Carbon Side Access Filter Housing

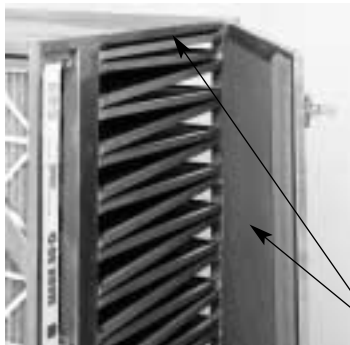
### Introduction

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.

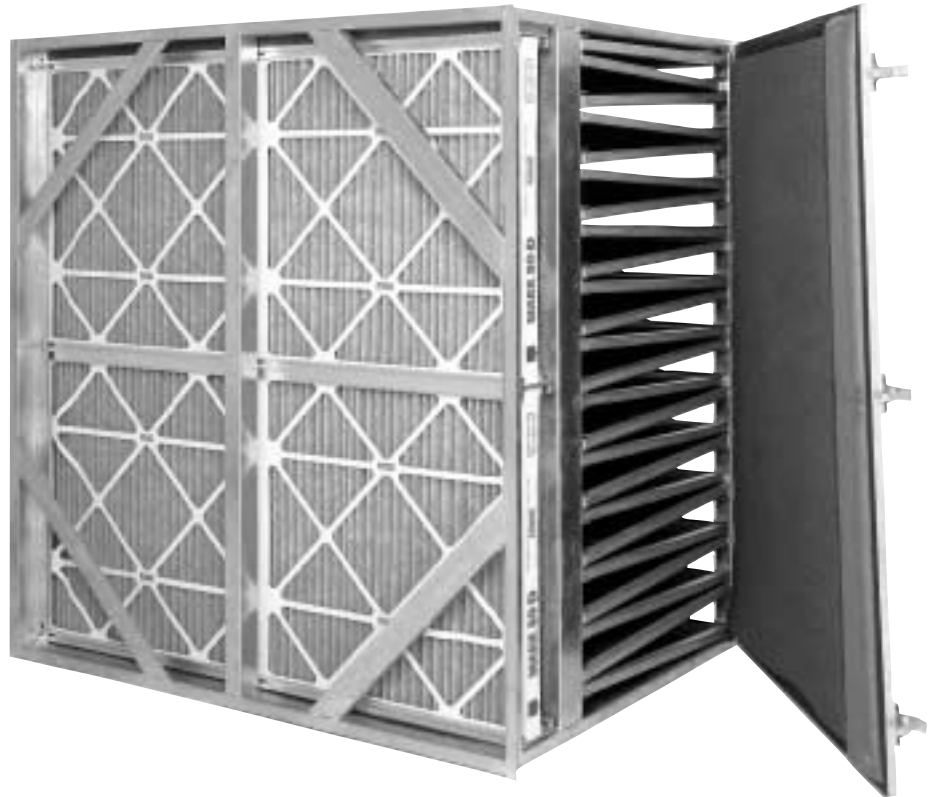
### Construction features

- 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.

  
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*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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