



Side-access housing with 2" prefilter track and crank-type sealing mechanism for HEPA/ULPA installation



Left: Crank filter sealing action ensures that system efficiency will be equal to the filters' efficiency. Doors may swing on a hinge or are completely removable.

Right: UV resistant sealing knobs ensure a tight seal each time the access doors are removed for filter service.

All photos show optional pastel white finish.

The Camfil Sidelock SAD3 HEPA air filter housing offers crank-type sealing integrity to ensure that all of the air moving through the housing will be treated by the air filters. Each Camfil Sidelock housing includes:

- 14-gauge galvanized steel construction with mounting flanges to mate to existing HVAC equipment. All components are weatherproof for interior or exterior installation.
- Removable, hinged, dual-access doors for filter service from either side of the unit. The doors are engineered to be square to the housing flange and include high-memory type gasketing to eliminate housing/ambient leakage. UV resistant sealing knobs ensure a tight seal each time the access doors are removed for filter service.
- A spring-loaded crank-type filter sealing mechanism that is capable of exerting over 700 pounds of sealing pressure against each filter to ensure a leak-free seal. Each horizontal row of filters have their own sealing mechanisms.
- A flat surface filter-to-hardware sealing edge to ensure proper gasket compression and uniformity around the sealing periphery.
- A 2" nominal size prefilter track. A swing-away filter retainer ensures prop
- Triple static pressure ports for the facilitation of gages to read prefilter or HEPA filter pressure drop, or a combination thereof.

The Sidelock housing has an in-line depth of only 25" to conserve valuable space for processes or other HVAC components. It only requires 30" of side clearance for easy slide-in slide-out filter change.

Performance Data

Number of filters high	Height (inches)	Number of filters wide (based upon nominal 24" by 24", cfm based upon Camfil high capacity Absolute® XH)											
		1/2	1	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6
1/2	15.25	—	1000	—	2000	—	3000	—	4000	—	5000	—	6000
1	27.25	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000
1-1/2	39.625	—	3000	—	6000	—	9000	—	12000	—	15000	—	18000
2	51.625	2000	4000	6000	8000	10000	12000	14000	16000	18000	20000	22000	24000
2-1/2	64	—	5000	—	10000	—	15000	—	20000	—	25000	—	30000
3	76	—	6000	9000	12000	15000	18000	21000	24000	27000	30000	33000	36000
3-1/2	88.325	—	7000	—	14000	—	21000	—	28000	—	35000	—	42000
4	100.375	—	8000	12000	16000	20000	24000	28000	32000	36000	40000	44000	48000
Width (inches)		12	24	36	48	60	72	84	96	108	120	132	144

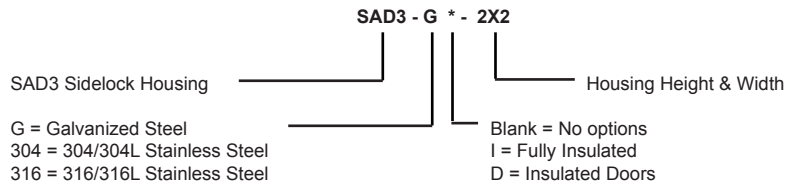
DATA NOTES:

Airflow rated at 500 fpm, pressure drop at listed cfm is 1.35" w.g. For additional airflow or energy savings consider Filtra 2000, 1.0" w.g. at listed velocities. Standard housing operational to ± 8.0" w.g., maximum continuous temperature 200° F (93° C). Contact your Camfil representative for shipping and installed housing weight.

Available Options:

Stainless steel construction.
 High-temperature construction (400° F, 200° C). Double-wall with insulation.
 Housings are designed to fit up with same size Camfil Glide/Pack® housings without transitions.
 Contact factory for more information.

Model Number Breakdown



Specification

1.0 General

1.1 - Filter housing shall be two-stage filter system consisting of 14-gauge galvanized steel enclosure, spring-loaded crank-type sealing assembly for gasket seal type final filters, dual-access doors with gasketing and positive sealing doorknobs. In-line housing depth shall not exceed 25".

1.2 - Sizes shall be as noted on enclosed drawings or other supporting materials.

2.0 Construction

2.1 - The housing shall be constructed of 14-gauge galvanized steel with mating flanges to facilitate attachment to other system components. All pressure boundaries shall be of all welded construction. The housing shall be weatherproof and suitable for rooftop/outdoor installation.

2.2 - A prefilter track to accommodate nominal 2" deep prefilters, shall be an integral component of the housing.

2.3 - The housing shall incorporate a spring-loaded crank-type final filter sealing mechanism. The mechanism shall be geared to exert 700 pounds of

pressure against each filter. The clamping frame shall have a continuous flat surface seal to compress all four downstream gasketed surfaces of the downstream seal filter. The final filter locking mechanism shall include a 3/4" socket adapter to facilitate opening or closing the mechanism.

2.4 - Dual access doors shall include high-memory sponge neoprene gasket to facilitate a door-to-filter seal. Each door shall be equipped with adjustable and replaceable UV-resistant positive sealing knobs. The access doors shall be both hinged for swing open operation or designed to be completely removable.

2.5 - The housing shall include static pressure ports (1/8" NPT male) to facilitate pressure drop measurements across prefilter, final filter, or combination thereof.

3.0 - Performance

3.1 - Manufacturer shall provide evidence of facility certification to ISO 9001:2008.



For detailed specifications please consult your local Camfil Distributor or Representative or www.camfil.com.

Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.



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