

# HEPA Crank-Lock Housing

## Side Access Crank-Lock Housing for HEPA Rated Filters



### FEATURES

Designed for HEPA filters w/ optional prefiltration

11-1/2" deep gasket & fluid seal filters

Galvanized steel construction

Welded and caulked construction

Hat sections on the top, bottom, and back for structural support

Gasketed door for high efficiency

Holding Frames and Fasteners are not required

Houses filters with DOP efficiencies up to 99.99%  
0.3 micron size particles

Flange for connecting to ductwork or air handlers

### HEPA Crank-Lock Housing

The HEPA Crank-Lock Housing is designed to accommodate 11-1/2" deep HEPA rated air filters. Units are equipped with a crank-lock mechanism for either gasket or gel seal HEPA filters. The crank-lock mechanism aligns the sealing surface downstream of airflow.

All HEPA Crank-Lock units are equipped with an 11-1/2" deep HEPA filter section. Units are also available with an optional prefilter section for 2" or 4" nominal pleated filters. The overall unit depth is 21-1/2" with no prefilter or 27" with a prefilter.

Standard HEPA Crank-Lock Housings are fabricated from galvanized steel, but can be ordered in stainless steel. The housings edges are intermittently welded and caulked with an RTV sealant to prevent air bypass. Units are available with seal welded edges to provide extra protection against air bypass.

HEPA Crank-Lock Housings include star knob closures and gasketed doors to create a door to housing seal. When the housing is loaded with appropriate filters, the crank-lock mechanism is engaged, and the door is properly sealed the system efficiency meets the efficiency of the filters.

Using the included flange HEPA Crank-Lock Housings can be installed in ductwork or air handling units.

HEPA Crank-Lock Housings can be made utilizing a large number of options, meaning housings can be customized to meet a variety of application-specific requirements.

### Options

- Weather cover
- Double Wall Insulation
- Lifting lugs
- Flanges to connect to existing air handlers
- Stainless Steel Construction
- Static taps, test ports, or magnehelic gages
- Seal Welded Construction

## HEPA Crank-Lock Housing

			Width Code - Overall Unit Width							
			05W 15"	10W 27"	15W 39"	20W 51"	25W 63"	30W 75"	35W 87"	40W 102"
Height Code - Unit Overall Height	05H 15-1/4"	Capacity (CFM)	500	1000	1500	2000	2500	3000	3500	4000
		Face Area (ft2)	1	2	3	4	5	6	7	8
	10H 27-1/4"	Capacity (CFM)	1000	2000	3000	4000	5000	6000	7000	8000
		Face Area (ft2)	2	4	6	8	10	12	14	16
	15H 42-1/2"	Capacity (CFM)	1500	3000	4500	6000	7500	9000	10500	12000
		Face Area (ft2)	3	6	9	12	15	18	21	24
	20H 54-1/2"	Capacity (CFM)	2000	4000	6000	8000	10000	12000	14000	16000
		Face Area (ft2)	4	8	12	16	20	24	28	32
	25H 69-3/4"	Capacity (CFM)	2500	5000	7500	10000	12500	15000	17500	20000
		Face Area (ft2)	5	10	15	20	25	30	35	40
	30H 81-3/4"	Capacity (CFM)	3000	6000	9000	12000	15000	18000	21000	24000
		Face Area (ft2)	6	12	18	24	30	36	42	48
	35H 97"	Capacity (CFM)	3500	7000	10500	14000	17500	21000	24500	28000
		Face Area (ft2)	7	14	21	28	35	42	49	56
	40H 109"	Capacity (CFM)	4000	8000	12000	16000	20000	24000	28000	32000
		Face Area (ft2)	8	16	24	32	40	48	56	64

\*Listed capacity assumes a 500 FPM housing approach airflow velocity