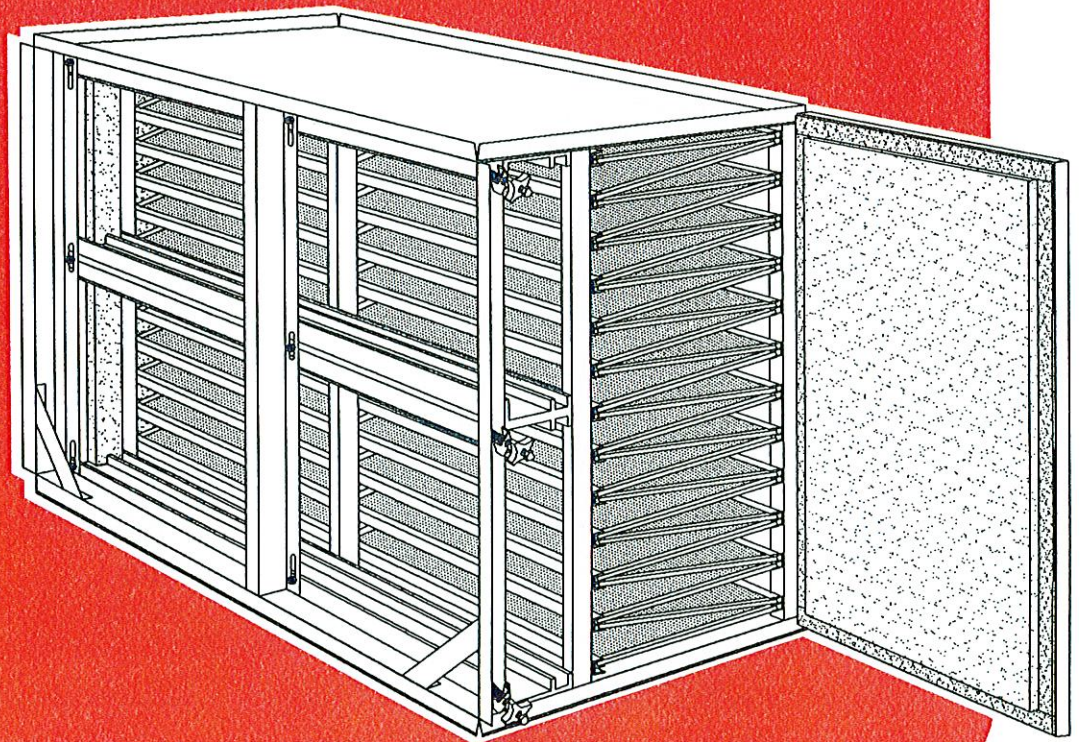


Air → **SEAL**
SIDE ACCESS
CARBON
FILTER HOUSINGS

**FOR THE COMMERCIAL/INDUSTRIAL
FILTER INDUSTRY**



THE PRIDE AND SKILL OF CRAFTSMANSHIP BUILT INTO EVERY AIR SEAL HOUSING ASSURES CUSTOMER SATISFACTION

PROBLEMS ARE ELIMINATED WITH AIR SEAL

Air Seal's design is simple . . .
It's rugged, and it's ready to install.
The factory assembled housing is delivered in a complete
one piece unit. There's no time consuming problems of
field installation . . . modular sections . . . or add-on
sections to accommodate deep filters.

INSTALLATION IS SIMPLIFIED WITH AIR SEAL

Outward turned one-inch flanges facilitate the installation
of the Air Seal Housing to the duct and / or air
handling system.

ADD ANY OF THESE OPTIONS WITH AIR SEAL

(A) WEATHERPROOFING

Includes 16 gauge pitched roof
and rain gaurd over doors. All
flanges are "turned-in".

(B) VERTICAL FLOW

Standard size housing except
access doors are "latch-off"
removable.

(C) SPECIAL FLANGED

Every Air Seal Housing is
available "Special Flanged to
match any Air Handler". See
seperate Brochure.

INSULATED HOUSINGS

Standard is one-inch foil back
duct board, with double wall
doors. For other types consult
factory.

EPOXY COATINGS

Air dried epoxy coatings are
applied inside and/or outside.
Color is FS-26173 (light gray).

HIGH PRESSURE CONSTRUCTION

Bracing channels are installed
on 24" centers to reinforce
housings for 6" pressure. For
pressures over 6" ... consult
factory.

STAINLESS STEEL CONSTRUCTION

All Air Seal Housings are available
in 16 Ga. (304) or (316) Stainless
Steel. For other thicknesses consult
factory.

ALL ALUMINUM CONSTRUCTION

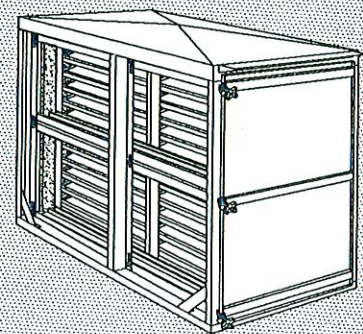
All Air Seal Housings are available
in .080 (3003) Aluminum. For
other types... consult factory.

HIGH TEMPERATURE CONSTRUCTION

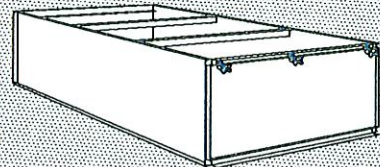
Special silicone sealant and
gasketing are used to handle
400° F. continuously and 500°
intermittently.

DOUBLE WALL INSULATED HOUSINGS

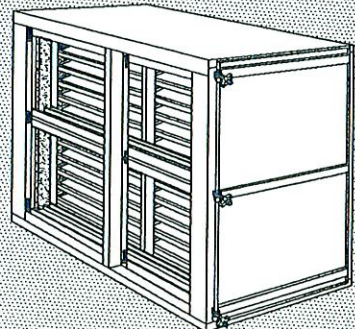
Housing and doors have outer
walls of 16 gauge metal, and
inner walls of 20 gauge metal.
With one-inch fiberglass duct
liner between.



(A) WEATHERPROOF



(B) VERTICAL FLOW



(C) SPECIAL FLANGED

AIR SEAL CONSTRUCTION FEATURES ARE A MARK OF QUALITY

Every Air Seal Housing is built to exacting specifications by a company that takes pride in producing a quality product.

Housings are constructed of 16 Gauge galvanized steel reinforced with corner gussets and vertical leg supports. Doors are fully gasketed and fitted Knurl-Knob - Bolt Down latches

Housings are sealed by the application of silicone compound to areas where metal meets metal.

Filters are sealed by the use of extruded aluminum tracks combined with a woven nylon pile seal.

These, and many other quality features of Air Seal Housings are detailed below.

EASY ACCESS FROM TWO SIDES

Access for filter installation is available from either side . . . or both.

ALL METAL TO METAL COMPONENTS SEALED

After fabrication is complete, a silicone compound is applied to areas where metal meets metal, assuring a sealed housing.

1" FLANGES FOR EASY INSTALLATION

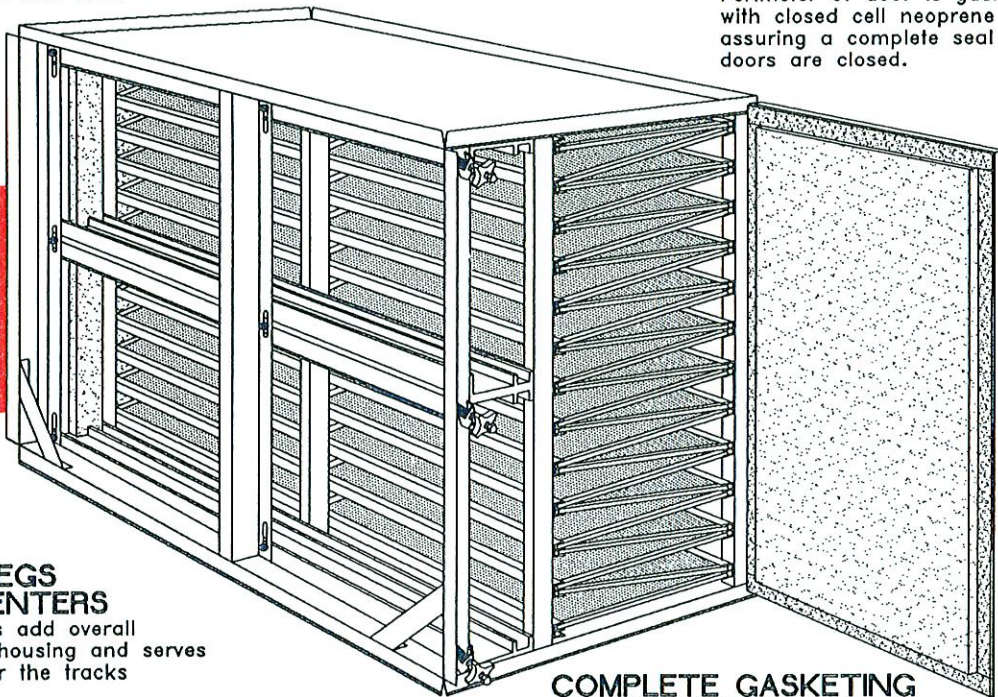
Turned-out flanges on all four sides both front and rear.

RUGGED CONSTRUCTION

The Air Seal Housing is factory assembled in a "one-piece" unit, constructed of 16 gauge galvanized steel.

FULLY GASKETED ACCESS DOORS

Perimeter of door is gasketed with closed cell neoprene gasketing, assuring a complete seal when doors are closed.



CENTER LEGS ON 24" CENTERS

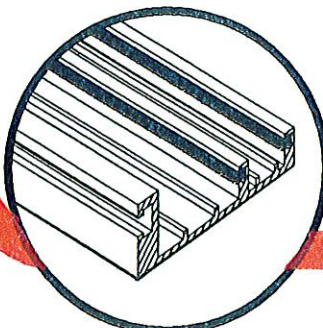
These members add overall rigidity to the housing and serves as supports for the tracks

CORNER GUSSETS MAKE AN EXTRA RIGID UNIT

Corner gussets are standard on front of Air Seal Housings . . . adding extra stability.

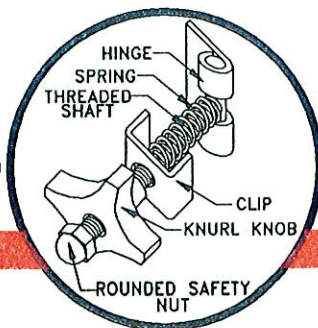
COMPLETE GASKETING OF ALL FILTERS

Urethane foam gasketing (two pound density) is installed on "inside of door". When doors close, gasket seals against the edge of filters, eliminating by-pass.



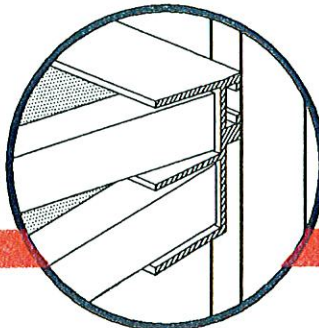
EXTRUDED ALUMINUM PRE FILTER TRACKS

Prefilter Tracks are extruded aluminum combined with reinforced nylon pile seal to create corrosion resistant seal.



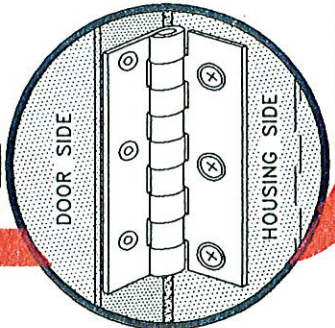
POSITIVE PRESSURE KNURL-KNOB LATCH

Swing away Bolt-Down latches locks the door tight against the housing to assure a complete seal.



EXTRUDED ALUMINUM CARBON TRACKS

Custom Tracks designed to accommodate standard 3/4" thick Carbon trays.



STAINLESS STEEL 3" DOOR HINGES

Doors are hinged on 24" centers, located on air leaving side of access doors.

DIMENSIONS OF AIR SEAL CARBON HOUSINGS

Listed are the "OUTSIDE DIMENSIONS" of each housing. They include a one-inch turned out flange. Dimensions are based on using a standard size tray: 23.38" x 23.38" x .75"

1/2 High 14 1/4"	1/2 Wide 14"
1 High 26 1/4"	1 Wide 26"
1 1/2 High 38 1/2"	1 1/2 Wide 38"
2 High 50 1/2"	2 Wide 50"
2 1/2 High 62 3/4"	2 1/2 Wide 61"
3 High 74 3/4"	3 Wide 73"
3 1/2 High 87"	3 1/2 Wide 84 1/2"
4 High 99"	4 Wide 96 1/2"
	4 1/2 Wide 108 1/2"
	5 Wide 120 1/2"
	5 1/2 Wide 131 3/4"
	6 Wide 143 3/4"

WEATHERPROOF HOUSINGS ARE 1" TALLER AND 2" NARROWER THAN STANDARD HOUSINGS.

HOUSINGS DEPTHS

Housings using standard 2" pre-filter 36" DEEP.

Housings using 4" pre-filter 38" DEEP.

COMPLETE SUBMITTALS AVAILABLE

Submittal drawings including Construction details are available on every catalogued Air Seal housing.

AIR SEAL FILTER HOUSINGS, INC.
1112 STAFFORDSHIRE RD.
STAFFORD, TEXAS, 77477

PHONE : (713) 499-9864
FAX : (713) 499-6060

FILTER SELECTION . . . AIR SEAL'S CARBON FILTER HOUSINGS ARE DESIGNED TO ACCOMMODATE THESE TYPE FILTERS . . .

2" PRE FILTERS

Pleated filters, actual face size 23.38" x 23.38" and 11.38" x 23.38"

4" PRE FILTERS

Pleated filters, actual face size 23.38" x 23.38" and 11.38" x 23.38"

3/4" CARBON TRAYS

Carbon trays, actual face size 23.38" x 23.38" and 11.38" x 23.38"

OTHER SIZE TRAYS

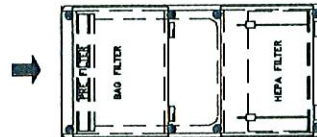
Housing dimensions might change - and formed tracks will be used instead of extruded aluminum tracks.

NOTE:

Tray arrangements are based on 12 trays per 24" height.

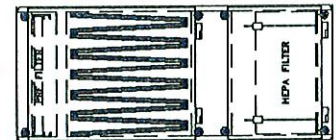
COMBINE DIFFERENT AIR SEAL HOUSINGS INTO CUSTOM MULTI-STAGE FILTER HOUSINGS

Any combination of Air Seal housings can be incorporated into one unit . . . making a more compact, easier to install housing. Illustrated are two popular combinations.



BAG HOUSING WITH PRE AND HEPA HOUSING

CARBON HOUSING WITH PRE AND HEPA HOUSING



. . . ADD A HOOD . . . A BASE . . . A FAN FOR A WEATHERPROOF CUSTOM FILTER SUPPLY UNIT.

