

magna/pack

Side-Access Absolute Filter Housing



Positive sealing integrity in a side-access filter housing for absolute filters



Swing bolts and equi-bearing clamps ensure an airtight filter to housing seal.

Doors include swing-hinge, or may be completely removed from the housing.

Top: Optional prefilter track shown.

The Camfil Farr Magna/Pack offers Absolute level sealing integrity in a convenient side-access housing. The Magna/Pack:

- Is constructed of all-welded 14-gauge galvanized steel (also available in 304SST) and is reinforced with channel bracing to withstand 8.0" w.g. positive or negative pressure without compromising the filter or door seals
- Includes standing flanges for mating to HVAC housings or ductwork
- Includes water run-off holes to allow for rooftop or exterior installation without modification to the housing
- Includes dual-access doors so filters may be serviced from either side of the housing. Mounted on pin hinges, the doors either swing open or may be totally removed for convenience of filter service
- Incorporates swing bolt filter fastening assemblies with equi-bearing clamps to provide uniform filter sealing pressure. This method ensures specified filter performance by sealing each filter to leak proof specifications (recommended 50% gasket compression)
- Includes high-memory door gasketing to ensure housing leak free integrity to 8.0" w.g.
- Includes replaceable, adjustable, positive clamping fixtures on both doors. The door seal is recreated each time the housing is serviced
- Includes a challenge injection port for absolute filter evaluation.

Filters are available in efficiencies from 95% to 99.995% at 0.3 microns.



| | |
|---------------------------------|------------------|
| Camfil Farr | Product bulletin |
| Magna/Pack | 2411 - 0606 |
| Camfil Farr—clean air solutions | |

PERFORMANCE DATA

Housing Dimensions & Airflow Capacities¹

MAGNA/PACK

| No. of Filters Wide | | ½ | 1 | 1½ | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 5½ | 6 |
|---------------------|-------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Width (inches) ▶ | | 14.38 | 26.38 | 40.00 | 52.00 | 65.62 | 77.62 | 91.25 | 103.25 | 116.88 | 128.88 | 142.50 | 154.50 |
| No. of Filters High | Height (inches) ▼ | Airflow Capacities (cfm) ¹ (Based upon using HEPA filters at 275 fpm.) | | | | | | | | | | | |
| | | ½ | 1 | 1½ | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 5½ | 6 |
| ½ | 16.50 | - | 1,000 | - | 2,000 | - | 3,000 | - | 4,000 | - | 5,000 | - | 6,000 |
| 1 | 28.50 | 1,000 | 2,000 | 3,000 | 4,000 | 5,000 | 6,000 | 7,000 | 8,000 | 9,000 | 10,000 | 11,000 | 12,000 |
| 1½ | 40.50 | - | 3,000 | - | 6,000 | - | 9,000 | - | 12,000 | - | 15,000 | - | 18,000 |
| 2 | 52.50 | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | 12,000 | 14,000 | 16,000 | 18,000 | 20,000 | 22,000 | 24,000 |
| 2½ | 64.50 | - | 5,000 | - | 10,000 | - | 15,000 | - | 20,000 | - | 25,000 | - | 30,000 |
| 3 | 76.50 | 3,000 | 6,000 | 9,000 | 12,000 | 15,000 | 18,000 | 21,000 | 24,000 | 27,000 | 30,000 | 33,000 | 36,000 |
| 3½ | 88.50 | - | 7,000 | - | 14,000 | - | 21,000 | - | 28,000 | - | 35,000 | - | 42,000 |
| 4 | 100.50 | 4,000 | 8,000 | 12,000 | 16,000 | 20,000 | 24,000 | 28,000 | 32,000 | 36,000 | 40,000 | 44,000 | 48,000 |
| 4½ | 112.50 | - | 9,000 | - | 18,000 | - | 27,000 | - | 36,000 | - | 45,000 | - | 54,000 |
| 5 | 124.50 | 5,000 | 10,000 | 15,000 | 20,000 | 25,000 | 30,000 | 35,000 | 40,000 | 45,000 | 50,000 | 55,000 | 60,000 |

DATA NOTES:

¹ Airflow capacity based upon 2000 cfm for full size, and 1000 cfm for half size, high capacity HEPA filters. For standard capacity HEPA filters reduce listed cfm values by 45%. Values are provided for reference only, as system velocities may have wide design variations.

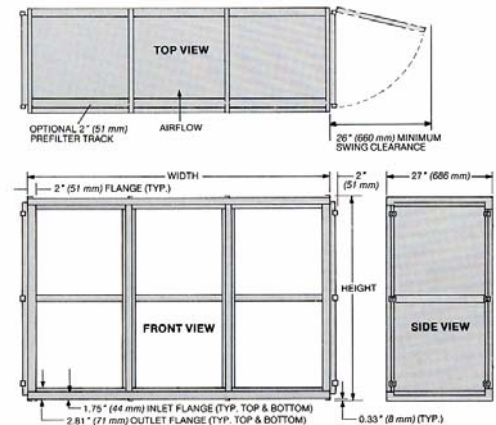
Camfil Farr Absolute References

(Magna/Pack housings requires full size and/or 1/2 size (actual 24" by 24" or 24" by 12") filters):

| | |
|---------------------------------------|------------------|
| XH Absolute (high capacity) | Bulletin # 1801H |
| LH Absolute (high capacity) | Bulletin # 1803H |
| XS Absolute (standard capacity) | Bulletin # 1801 |
| LS Absolute (standard capacity) | Bulletin # 1803 |
| Micretain® 95% @ 0.3 micron | Bulletin # 1821 |
| Filtra 2000™ (V-style high capacity)* | Bulletin # 1823 |

* Filtra 2000 rated at 2400 cfm for a full size filter. Multiply chart values by 1.20 for cfm capacities or use 2000 cfm per filter for reduced pressure drop and energy savings.

Contact factory for additional filter options.



See sales drawing 062977.

SPECIFICATIONS

1.0 General

1.1 - Side-access absolute filter housing shall be constructed of 14-gauge galvanized steel (304 SST)* and shall include removable dual access doors, challenge injection port, door gasketing and swing bolt filter retainers. An appropriate number of swing bolts to match air filters shall also be included.

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

2.0 Construction

2.1 - Absolute filter housing shall be all-welded construction of 14-gauge galvanized steel (304 SST)*. It shall be reinforced with channel bracing to withstand 8.0" w.g. positive or negative pressure.

2.2 - Standing flanges shall be provided to mate housing to other housings or ductwork.

Camfil Farr 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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2.3 - Housing shall be weatherproof without modification.

2.4 - Housing shall be provided with pin-hinged removable access doors for service from either side of the housing. Doors shall include high memory door gasketing to prevent leaks to ± 8.0" w.g.

2.5 - Filter securing swing bolt assemblies, of the same construction as the housing, and with equi-bearing filter clamps, shall be provided to secure filters into the housing. There shall be a minimum of four assemblies per filter unit.

2.6 - Housing shall include integral challenge injection port for introduction of filter evaluation challenge.

(2.7 - Housings shall include a filter track for application of a nominal 2" deep prefilter.)

3.0 Performance

3.1 - The sealing assembly shall be capable of sealing each element with 30 inch/lbs. of torque to 50% filter gasket compression.

3.2 - Manufacturer shall provide evidence of facility certification to ISO 9001:2000.

* Items in parentheses () denote optional selections.

