**1.0 General**

**1.1** - Side-access absolute filter housing shall be constructed of 14-guage 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-guage 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.

**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. The sealing assembly shall create a scan capable filter to housing seal.

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

Housing shall be Camfil MagnaPack or equal.

*\* Items in parentheses ( ) denote optional selections.*