**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 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. Steel angle supports shall ensure dimensional adherence. The housing shall be weatherproof and suitable for rooftop/outdoor installation.

**2.2** - The housing shall incorporate the capability of two stages of filtration without modification to the housing. A prefilter track to accommodate nominal 2" deep prefilters, shall be an integral component of housing construction.

**2.3** - The housing shall incorporate a spring-loaded crank-type final filter sealing mechanism. The mechanism shall be geared to exert 600 pounds of pressure against each filter. The clamping frame shall have a continuous knife-edge seal to compress all four gasket surfaces of the mounted filter.

**2.4 -** Dual access doors, removable type, 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.

**3.0 Performance**

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

Housing shall be Camfil Sidelock or equal.

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