

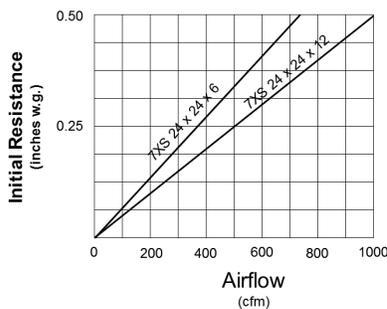


Camfil Micretain air filters are manufactured from the highest quality components, under demanding quality control conditions, for application in critical environments where sub-micron particle capture is important. With an efficiency of 95% on 0.3 micron particles, the Micretain will capture 99% of all bacteria<sup>1</sup>. The Micretain also offers a lower resistance to airflow than HEPA filters. Typical applications include medical facilities, pharmaceutical manufacturing, electronic component manufacturing, food and dairy processing facilities, and many other locations where ultra-clean air is a requirement. Each Camfil Micretain includes:

- A galvanized 16-gauge steel frame to create a durable, dimensionally-stable corrosion-resistant enclosure.
- X-body frame assembly (assembled without the use of penetrating fasteners) to ensure leak-free performance throughout the life of the filter. Our unique urethane potting process completely encapsulates the filter pack within the enclosing frame.
- Safe-edge corrugated aluminum separators to ensure uniform airflow throughout the media pack and maintain pack stability. The edges of the separators are hemmed for added strength and to protect the media from damage during manufacture, shipping and installation.
- Microfiber all-glass media to provide efficiency to specified performance values. The media is highly-resistant to moisture in high-humidity environments.
- A one-piece seamless urethane gasket (or a closed-cell neoprene gasket with unique dovetailed junctures) to ensure a leak-free filter-to-holding mechanism seal.
- Available in nominal 12" depth or compact 6" depth.
- Each unit includes a label noting efficiency, penetration, rated and performing airflow, pressure drop and a serial number for quality assurance.

**Removes 99% of all known airborne bacteria species<sup>1</sup>.**

Initial Pressure Drop Versus Airflow



<sup>1</sup>ASHRAE 62, page 4, states that 99% of all bacteria known to man are over 1 micron in size.

### Performance Data

Model	Nominal Size (inches)	Airflow Capacity (cfm)	Resistance @ Airflow (inches w.g.)	Media Area (sq. ft.)	Shipping Weight (lbs.)
07XS-12Z12Z12- ** -3-C-A-00-0/00	12.00 x 12.00 x 11.50	230	0.50	42.0	22.7
07XS-23F11F12- ** -3-C-A-00-0/00	23.38 x 11.38 x 11.50	460		83.6	29.2
07XS-24Z12Z12- ** -3-C-A-00-0/00	24.00 x 12.00 x 11.50	500		90.0	30.1
07XS-11F23F12- ** -3-C-A-00-0/00	11.38 x 23.38 x 11.50	460		83.6	32.9
07XS-12Z24Z12- ** -3-C-A-00-0/00	12.00 x 24.00 x 11.50	500		90.0	33.7
07XS-23F23F12- ** -3-C-A-00-0/00	23.38 x 23.38 x 11.50	1020		178.6	43.7
07XS-24Z24Z12- ** -3-C-A-00-0/00	24.00 x 24.00 x 11.50	1080		186.6	44.6
07XS-12Z12Z06- ** -2-C-A-00-0/00	12.00 x 12.00 x 5.88	160	0.50	20.7	14.9
07XS-23F11F06- ** -2-C-A-00-0/00	23.38 x 11.38 x 5.88	330		41.3	18.5
07XS-24Z12Z06- ** -2-C-A-00-0/00	24.00 x 12.00 x 5.88	360		44.5	19.1
07XS-11F23F06- ** -2-C-A-00-0/00	11.38 x 23.38 x 5.88	330		41.3	20.4
07XS-12Z24Z06- ** -2-C-A-00-0/00	12.00 x 24.00 x 5.88	360		44.5	20.8
07XS-23F23F06- ** -2-C-A-00-0/00	23.38 x 23.38 x 5.88	730		88.2	26.7
07XS-24Z24Z06- ** -2-C-A-00-0/00	24.00 x 24.00 x 5.88	780		92.2	27.1

**DATA NOTES:**

Maximum operating temperature 175° F (80° C). If neoprene gasket is used temperature limitation is 200° F (90° C).

The Micretain is listed UL 900 by Underwriters Laboratories.

Efficiency: 95% @ 0.3 micron, 99% when tested in accordance with ASHRAE 52.1, MERV 16 when tested in accordance with ASHRAE 52.2.

The Camfil Micretain may be operated up to a velocity of 600 fpm. For higher velocities please consult factory.

Replace \*\* in model number with 00 for no gasket, 1D for one gasket downstream, 1U for one gasket upstream, or 1B for a gasket on both sides.

Additional sizes available, contact factory.

### Specification

#### 1.0 General

**1.1** - Air filters shall be high-efficiency air filters with waterproof microfine glass media, corrugated aluminum separators, urethane potting, galvanized 16-gauge steel enclosing frame and seamless sealing gasket.

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

#### 2.0 Construction

**2.1** - Filter media shall be one continuous pleating of microfine glass media.

**2.2** - Pleats shall be uniformly separated by corrugated aluminum separators incorporating a hemmed edge to prevent damage to the media.

**2.3** - The media pack shall be potted into the enclosing frame through the use of a urethane potting sealant.

**2.4** - The enclosing frame of galvanized 16-gauge steel, shall be bonded to the media pack and form a rugged and durable enclosure. The filter shall

be assembled without the use of fasteners to ensure no frame penetrations. Overall dimensional tolerance shall be correct within -1/8", +0", and square within 1/8".

#### 3.0 Performance

**3.1** - The filter shall have an efficiency of 95% on particles 0.3 micron in size. It shall have a MERV of 16 when tested in accordance with ASHRAE Standard 52.2.

**3.2** - Initial resistance to airflow shall not exceed 0.50" w.g. at rated capacity.

**3.3** - Filter shall be listed as UL 900 by Underwriters Laboratories.

**3.4** - The filter shall be capable of withstanding 10" w.g. without failure of the media pack.

Optional construction materials include paper separators and alternate framing materials. Contact factory for pricing and availability.

For detailed specifications please consult your local Camfil Distributor or Representative or [www.camfil.com](http://www.camfil.com).

Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

