



### Physical Data

- Frame:** ABS Plastic Incinerable Frame
- Media:** Moisture-resistant micro-fine fiberglass 100% Separatorless Super-Flow<sup>®</sup> PC Media pack sealed in the frame with Class 1 urethane media manufactured by Flanders.
- Headers:** 20mm wide molded plastic
- Limits:** 100% RH and 120°C
- Actual Face:** Nominal size less 15mm
- Actual Depth:** 149mm or 292mm

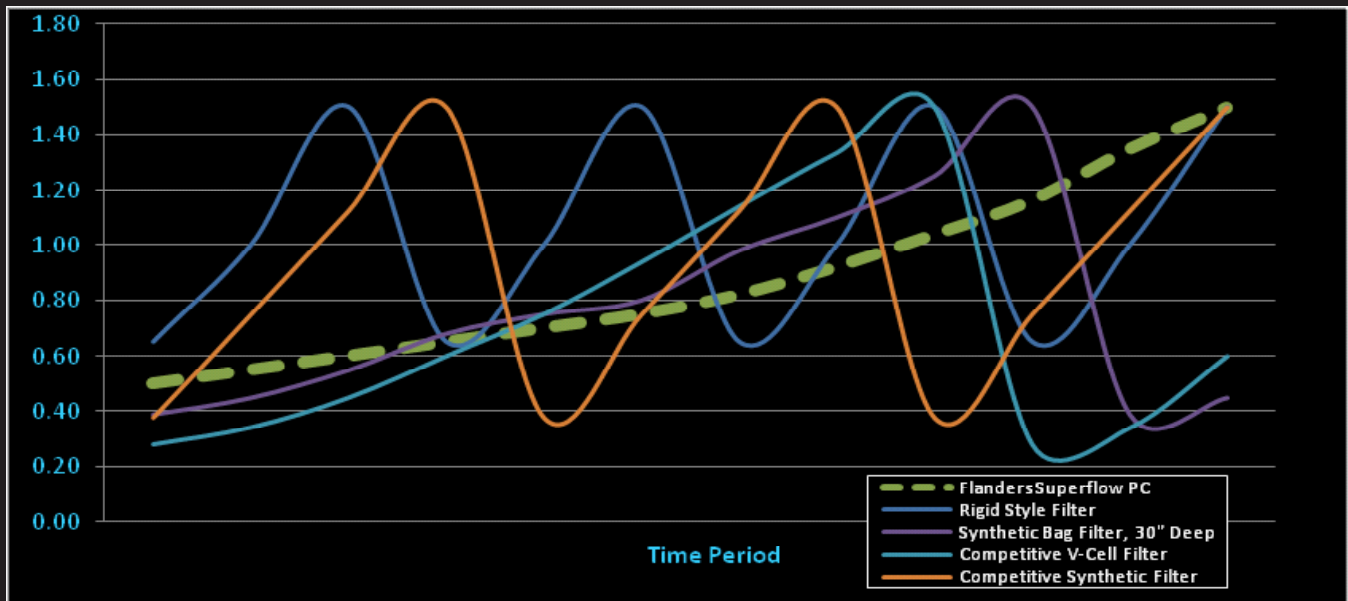
### General

Flanders Research and Development has again raised the bar in ASHRAE innovations with the release of the new Super-Flow<sup>®</sup> PC product. The Super-Flow<sup>®</sup> PC extended media separatorless type rigid filters are designed for use in most commercial or industrial HVAC systems where medium to high efficiency filtration is required. The Super-Flow<sup>®</sup> PC filters supreme dust holding capacity ensures that it lasts longer and is more durable than competitive products. Super-Flow<sup>®</sup> PC filters are available in average efficiency ranges of 60-65%, 80-85%, 90-95%, and 98% per ASHRAE Standard 52.1 test methods and offered as a MERV 11-A to 16-A according to ASHRAE Standard 52.2, Appendix J. These Filters are also available in a 95% DOP version.

Three styles are available: box, single and double-header in an all plastic Flanders Teal Green Frame. Flanders Super-Flow<sup>®</sup> PC filters are constructed and designed to be UL 900 Class 1 listed.

## Total Operational Cost Matrix Level 5 Product (TOCM-5)

The Super-Flow® PC filter is rated Level 5 per the TOCM matrix. The TOCM matrix is an innovative way of evaluating air filter selection and their cost. This approach takes into account the pre-filter selected, filter Dust Holding Capacity, filter energy consumption, filter initial cost, filter disposal cost, and lastly filter installation labor cost. This selection matrix is the only true way to determine a filter's actual cost to the end user. The chart below compares the Super-Flow® PC to other competitive filter styles.



### Installation Considerations

Super-Flow® PC filters may be installed in Flanders PF-1 Holding Frames, K-Trac Filter Framing Modules, Sureseal Side Access Housings, or in similar existing hardware.

PF-1 are riveted together to form a bank and may be installed for upstream or downstream service. K-Trac Filter Framing Modules are especially suitable for medium to large built-up filter banks. Smaller systems and systems with minimum upstream access space are best served using Sureseal Side Access Housings.

### Application Guidelines

Super-Flow® PC filters may be used wherever job requirements dictate totally rigid filters and available space will allow only minimal inline depth.

Super-Flow® PC filters should be selected using 610 x 610mm and 610 x 305mm face sizes. This insures that replacement cartridges will be readily available.

Super-Flow® PC filters should be installed with filter pleats vertical wherever possible. Its permissible to install 610x305mm face size cartridges with separators horizontal if necessary to meet the size requirements of the filter bank.

### Prefilters

We recommend that Pre Pleat® 40 LPD pleated panel filters are utilized as prefilters for Super-Flow® PC applications. Research has shown that the proper pleat selection can extend the life of post filters and also result in improved TOCM ratings. Contact Flanders for more details of the Total Operational Cost Matrix Program and rating system.

