

LiquiPro™ FG

Gas Cartridge Filters



LiquiPro™ FG is designed to remove particles from process and bulk gas filtration for flow rates up to 7000slpm (247scfm) per 10-inch cartridge filter. Made of high quality PTFE media with low pressure drop, high flow rate and long service life.

Features and Benefits

- Proprietary expanded PTFE media used within the LiquiPro™ FG filter ensures a high-purity gas filter with a large surface area to ensure high flow rate and high dirt-holding capacity.
- Certificate of quality enclosed with each product lot for quality assurance that ensures filter-to-filter and lot-to-lot performance.
- Reuse, Reduce, Recycle. Customer may return LiquiPro™ FG for sterilization by autoclave at 121°C and re-used up to 20 times. For filter sterilization request a certificate of decontamination must be completed and signed off by the customer.
 - Only for CDA, bulk and inert gas filters
 - MOQ 25-100pcs preferred
 - Additional flow-DP check service may be requested
- Manufactured in a facility with class 1000 and 100 clean room with ISO9000 certification to ensure high-purity performance.

Typical Applications

- Flat panel manufacturing CDA, bulk and process gas applications.
- Ultra-high-purity tank venting (to ensure sterility or contamination control).
- Advanced wafer level packaging.
- Photovoltaic water, chemical and gas applications.
- Data storage industries.

Performance Specifications

Pore size rating

0.01, 0.02, 0.1, 0.2, 0.5, 1.0, 5.0 and 10.0 µm

Maximum differential pressure:

4.1 bard (69.69 psid) @ 20°C (68°F)

2.75 bard (39.83 psid) @ 60°C (140°F)

Compatibility and purity

Filters do not use any binders, surfactants and adhesives for broad usage compatibilities. Only 100% high purity virgin polypropylene is used.

Materials of construction

Filter media: PTFE membrane

Support: Polypropylene

End caps, core, cage: Polypropylene

O-rings: EPDM, FKM and E-FKM

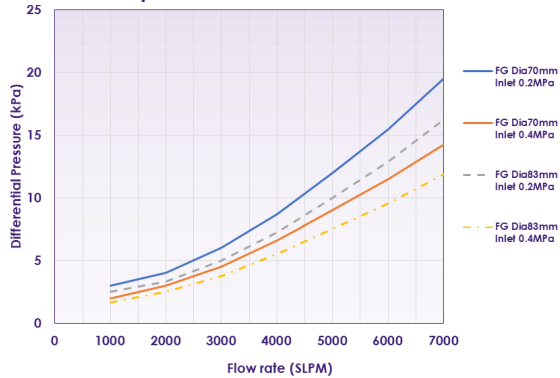
Recommended change-out differential pressure

1 bard (14.5 psid)

Maximum operating temperature

70°C (158°F)

Flow Rates: LiquiPro™ FG



Ordering Information: LiquiPro™ FG

To form a part number, please chose one option from each column below.

| Product Name | Micron Rating | Adaptors | Seals | Cleanliness | Length | Key Option |
|-------------------|---------------|--------------|----------|-------------|----------|------------|
| FG : LiquiPro™ FG | 001: 0.01 µm | A : 222/flat | E: EPDM | - : N/A | 10: 10in | - : N/A |
| | 002: 0.02 µm | K: 226/flat | T: E-FKM | | 20: 20in | |
| | 010: 0.1 µm | M: DOE† | V: FKM | | | |
| | 020: 0.2µm | | | | | |

| Diameter | Code-A | Code-M |
|----------|-----------------------|--------------------------------------------------------------------------------|
| 10in | Code A = 264 mm +/- 2 | Code M 254 mm +/- 2 default. 250 mm avail. customer to specify length. |
| 20in | Code A = 512 mm +/- 4 | Code M = 508 mm +/- 4 default. 500mm, 504 mm avail. Customer to specify length |
| 10in | Code K = 240 mm +/- 2 | |