Ultipor® GF Plus Air and Gas Filters
High Capacity, Long Life Filters for Air and Gas Service

Pall **Ultipor** GF Plus filter cartridges are made with high voidage glass fiber media for enhanced filter life.

The cartridges feature a high area pleated element construction designed to fit in sanitary-style filter housings. A bio-safe low extractables binder resin covalently immobilizes the glass fibers and imparts high-strength and reliable removal efficiency. Due to the high particulate removal efficiency and low pressure drops consistent with glass fiber media, **Ultipor** GF Plus filters effectively protect sterilizing-grade filters in air and gas applications.

Pharma Quality for Highest Quality Requirements

Ultipor GF Plus filters are manufactured in accordance with ISO9000 and GMP requirements. Each filter is supplied with a certificate of test that confirms suitability for use in pharmaceutical applications. Samples are tested for effluent quality to meet the USP requirements regarding

- Total Organic Carbon
- pH shift
- Endotoxins

All components meet the specifications for biological tests listed in the USP for Class VI plastics at 121 °C.

Each box contains a certificate which confirms the quality standards in manufacturing, the traceability of all components, and the above mentioned safety tests.

Features and Benefits

- High area pleated medium
- Low differential pressures
- Absolute particle-rated in liquids
- High-capacity for long-life
- Fixed pores prevent unloading
- Choice of AB (SOE) sanitary or (DOE) cartridge styles
- Manufactured for use in conformance with cGMP
- FDA-listed materials per 21 CFR
- ISO 9000 Certified Quality System

Ultipor GF Plus Air and Gas Filters
Technical Specifications

Materials of Construction

Filter Medium	Resin-bonded glass-fiber
Support and Drainage	Polyester
Core, cage and Endcaps	Polypropylene

Operating Conditions[1]

Maximum Operating Pressure	4 bar (58 psi) at 80 °C (176 °F)

[1] In compatible liquids which do not soften, swell or adversely affect the filter or materials of construction

Steam Sterilization

Up to 140 °C (284 °F)

Ordering Information and Selection Guide[5]

AB

MCY100

Code	Nominal Length	Filter Medium	Removal Rating in Liquids*	Nominal Filter Area[6]
1	10 in. (254 mm)	U010Z	1 µm	0.50 m² (5.3 ft²)
2	20 in. (508 mm)	U2-20Z	2 µm	0.65 m² (6.9 ft²)
3	30 in. (762 mm)	U6-40Z	6 µm	0.55 m² (5.9 ft²)
4	40 in. (1016 mm)	U200Z	20 µm	0.49 m² (5.2 ft²)

Cartridge Style
Double 226 O-ring with bayonet lock and fin end

Code	Filter Grade
P	Code outside US**
Omit	Code in US only

**Supplied with Certificate of Test and Full Traceability.

Code	O-ring Option
H4	Silicone
H13	Nitrile

Other materials available on request.

* Due to the enhanced particle removal efficiencies in gases, the approximate ratings for gas service can be calculated by dividing the liquid rating in µm by between 5 and 10.

SLK

MCY4440

MCY4463

Code	Filter Medium	Removal Rating in Liquids*	Nominal Filter Area[6]
7001	U010Z	1 µm	0.20 m² (2.1 ft²)
7002	U2-20Z	2 µm	0.22 m² (2.3 ft²)
	U6-40Z	6 µm	0.20 m² (2.1 ft²)
	U200Z	20 µm	0.18 m² (1.9 ft²)

Code	Filter Grade
P	Code outside US
Omit	Code in US only

Supplied with Certificate of Test and Full Traceability

Code	O-ring Option
H4	Silicone
H13	Nitrile

Other materials available on request.

[5] This is a guide to the part number structure only.
[6] For SLK7002 and MCY4463 style.