



PROCLEAR PP MURUS Disposable Capsules

- liquid filters
- polypropylene media

PROCLEAR PP large scale disposable capsules are designed for a wide range of prefiltration duties within the production of pharmaceuticals and are particularly suited to applications where chemical compatibility is an issue.

The optimum pleat configuration and graded density polypropylene media used in PROCLEAR PP ensure the filters have the highest possible throughput to blockage resulting in long service life.

The PROCLEAR PP range of large scale disposable capsules is fully supported by a comprehensive validation guide to simplify its specification into new and existing processes.

The MURUS capsule range incorporates simple but effective design solutions such as stability feet for increased safety of operation.

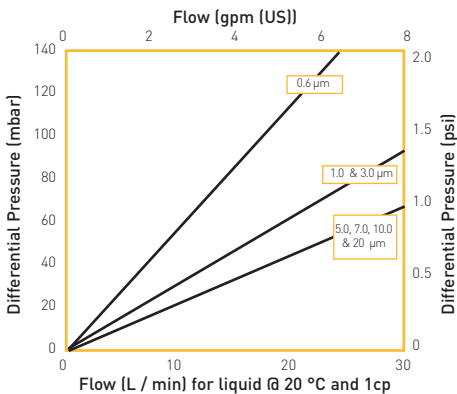


Note: PROCLEAR & MURUS are registered trademarks of Parker domnick hunter

Features and Benefits

- Graded density polypropylene media for high capacity
- All polypropylene construction
- Extremely robust to withstand aggressive conditions
- Can be gamma-irradiated and autoclaved

Performance Characteristics



For K size for a given flow rate multiply 10" size differential pressure by 2

Capsule flow rates (10" Size (250 mm))

Specifications

Materials of Construction

- Filtration Membrane: Polypropylene
- Upstream Support: Polypropylene
- Downstream Support: Polypropylene
- Core: Polypropylene
- Sleeve: Polypropylene
- Standard o-rings / gaskets: Silicone
- Capsule Body: Polypropylene
- Capsule Vent Seals: Silicone

Recommended Operating Conditions

PROCLEAR PP large scale disposable capsules may be operated under the following conditions:
5.5 barg @ 25 °C / 2.8 barg @ 60 °C.

Parker Hannifin certify that this product complies with the European Council Pressure Equipment Directive (PED) 97/23/EC Article 3, Paragraph 3 - Sound Engineering Practice (SEP). This product is intended for use with Group 1 & 2 Dangerous and Harmless Liquids and Group 2 Harmless Gases at the operating conditions stated in this document : In compliance with PED Article 3, Paragraph 3, SEP, this product does not bear the CE mark.

Effective Filtration Area (EFA)

10" (250 mm) up to 0.57 m² (6.1 ft²)
K Size up to 0.28 m² (3.0 ft²)

Autoclave Sterilisation

PROCLEAR PP large scale disposable capsules can be autoclaved for 5 x 30 minute cycles at 134 °C (273 °F).

Gamma-Irradiation

PROCLEAR PP large scale disposable capsules can be gamma-irradiated up to a maximum dosage of 40 kGy.

Biological Safety

Materials conform to the relevant requirements of 21CFR Part 177 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.

Non-Volatile Extractables (NVE)

Total NVEs extracted in the first 5 litre flush of purified water for a 10" capsule are <6 mg.

Oxidisable Substances

PROCLEAR PP large scale disposable capsules meet current USP and EP quality standards for sterile purified water for oxidisable substances following a <1 litre water flush.

TOC / Conductivity

The filtrate quality from a 10" PROCLEAR PP capsule conforms to the requirements of current USP <643> (TOC) and USP <645> (conductivity) within the first 200 ml flush of purified water.

Endotoxins

Aqueous extracts from the 10" PROCLEAR PP capsule contain < 0.25 EU / ml when tested in accordance with the Limulus Amoebocyte Lysate test.

Pharmaceutical Validation

A full validation guide is available upon request from Laboratory Services Group (LSG).

Ordering Information

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Code Length (Nominal)	Code Micron	Code Micron	Code Inlet Connection	Code Outlet Connection	Code Variant	Code Grade	Code Design
K 5" (125 mm)	96 0.6 µm	07 7.0 µm	T 1" Tri-Clamp	T 1" Tri-Clamp	P Pharmaceutical	N Non-sterile S Sterilised Y* (>25 kGy)	L In-Line T T-Port
1 10" (250 mm)	01 1.0 µm	10 10.0 µm	A 3/4" Tri-Clamp	A 3/4" Tri-Clamp			
2 20" (500 mm)	03 2.0 µm	20 20.0 µm	B 1 1/2" Tri-Clamp	B 1 1/2" Tri-Clamp			
3 30" (750 mm)	05 5.0 µm		D 1" Hosebarb	D 1" Hosebarb			
4 40" (1000 mm)							

Ratings based on efficiencies of > or = 99.98% using internal test procedure SOP018 based on ASTM F795-88 1993

Code O-rings ¹
E EPDM ²
S Silicone
V Viton™ ³

Inlet / Outlet Connection Styles



1" Hosebarb 3/4" Tri-Clamp 1" Tri-Clamp 1 1/2" Tri-Clamp T-Port

Other Available Formats



Filter Discs Syringe Filters DEMICAP™ Disposable Capsules Filter Cartridges

