Parker Product Datasheet

Incorporating a high flow, low binding polyethersulphone (PES) membrane, PROPOR SG 0.2 micron filters offer fast, economical and validated sterile filtration of pharmaceutical liquids.

PART NUMBER: ZLSG1-020TT-PNL
LENGTH: 10' (250 mm)
PRODUCT STYLE: MURUS Capsule
SEAL MATERIAL: Silicone
CONFIGURATION: In-Line
OUTLET CONNECTION SIZE: 1' Tri-Clamp
INLET CONNECTION SIZE: 1' Tri-Clamp
MICRON RATING: 0.20 µm
END CAP CONFIGURATION: n/a
GRADE: Non-Sterile
OPTIONS: n/a

PRODUCT OVERVIEW

PROPOR SG filters provide fast, economical and validated sterile filtration of pharmaceutical liquids such as biopharmaceutical products and intermediates, buffers, water and reagents.

The asymmetric pore structure and high voids volume of the PROPOR SG membrane allow high throughputs and exceptionally high flow rates compared with competitive PES and alternative membranes. Low protein and preservative biding properties minimize product loss due to adsorption.

PROPOR SG filters are optimized for pharmaceutical processing. They have low extractable

levels and broad chemical compatibility across the ful pH range including organic solvents.

Features and Benefits

•Up to 3.5 times higher flow rates than competitive sterilizing grade filters

•Fully validated and integrity testable membrane for assurance of sterility

•Low binding for minimal product loss

•MURUS and DEMICAP capsules can be gamma-irradiated and autoclaved

TECH SPECIFICATIONS

DIVISION	Bioscience and Water Filtration Division
DIVISION	Bioscience and Water Filtration Division
FOR FLUID TYPE	Pharmaceutical Liquids
INDUSTRY	Pharmaceuticals
SPECIFICATIONS MET	USP Plastics Class VI - 121°C
SPECIFICATIONS MET	FDA 21 CFR Part 177
SPECIFICATIONS MET	Fully validated to ASTM F838-05 liquid bacterial challenge
APPLICATION	Sterile Liquid Filtration and Bioburden Reduction
BRAND	Parker
TECHNOLOGY	Filtration
PRODUCT SERIES	PROPOR SG
PRODUCT TYPE	Liquid Filter Element
MATERIALS OF CONSTRUCTION	Filtration Media: Polyethersulphone Upstream Support: Polyester Downstream Support: Polyester Core: Polypropylene Sleeve: Polypropylene End Caps Insert: 316L Stainless Steel

	Capsule Body: Polypropylene Capsules Vent Seals: Sil
OPERATING TEMPERATURE	up to 60 °C at 2.8 barg (40.6 psig)
OPERATING TEMPERATURE	up to 25 °C at 5.5 barg (79.7 psig)
OPERATING TEMPERATURE	up to 77 °F at 5.5 barg (79.7 psig)
OPERATING TEMPERATURE	up to 140 °F at 2.8 barg (40.6 psig)
FILTER CONSTRUCTION	Pleated
FILTER MATERIAL	Polyethersulfone (PES)