

STERILE FILTER-ELEMENTS

PU / PUR-Serie – Depth-Filters for sterile Air and Gases



Filter elements in the PU / PUR series are manufactured with borosilicate microfibre with a high voids volume and are designed for the filtration of air and gases. Due to the high degree of efficiency, the elements offer high process reliability, with large-volume gas flows and can withstand high differential pressures at low pressure drop and withstand stringent inline steam sterilisation.

Features and benefits

- > 0,01 µm Retention
- > high dirt-holding capacity
- > Steam sterilisable or autoclavable for tank and container venting
- > Low Pressure loss
- > large Filtration Area
- > Flow in both directions
- > Manufactured in Germany

Application

- > Food Industry
- > Beverage Industrie
- > Pharmaceutical Industrie
- > Packaging Industry
- > Breweries
- > Dairy Industry

Food and biological safety

The components of the filter elements fulfil the relevant requirements of EU 1935/2004 and the Code of Federal Regulation (CFR), Title 21; as well as the FDA list below and comply with 3A.

Integrity test according to EN1822 and ASTM D 2986-91 = filtration rate corresponds to 99.99998% at 0.2 micron. The aerosol challenge test was performed completely

correlated with *B. diminuta*, *B. subtilis* and bacteriophage MS2 in aerosol phase.

Features

Filter Media	Borosilicate-Microfibre	CFR Titel 21, 177.2260 CFR Titel 21, 211.72
Support Layer	Nomex, Aramid	CFR Titel 21, 177.2450
Endcaps	Stainless Steel 1.4301	CFR Titel 21, 211.65
O-Rings	EPDM (SILICON / VITON on request)	CFR Titel 21, 177.2600
Potting	Epoxy Resin	EU 1935/2004
Support Cage	Stainless Steel 1.4301	CFR Titel 21, 211.65

> Operating characteristics

Retention	0,01 µm / 99,9999%
Maxi. Operating Temperature	-20°C bis +150°C
Steam Sterilisation	142°C / 30 min (100 Zykles)

Please note:

The filter elements are not pre-sterilised on delivery and are not sterile packed. Please sterilise the filter cartridges before using them for the first time.

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Filter-Elements PU / PUR-Series

PURE	OEM Ultrafilter / Donaldson	OEM Zander	OEM Domnick Hunter / Parker
>Threaded connection (double O-Ring)			
PUR2/10	SRF02/10	ST-R 02/10	MER2/10
PUR3/10	SRF03/10	ST-R 03/10	MER3/10
PUR4/10	SRF04/10	ST-R 04/10	MER4/10
PUR4/20	SRF04/20	ST-R 04/20	MER4/20
PUR5/20	SRF05/20	ST-R 05/20	MER5/20
PUR5/25	SRF05/25	ST-R 05/25	MER5/25
PUR7/25	SRF07/25	ST-R 07/25	MER7/25
PUR7/30	SRF07/30	ST-R 07/30	MER7/30
PUR10/30	SRF10/30	ST-R 10/30	MER10/30
PUR15/30	SRF15/30	ST-R 15/30	MER15/30
PUR20/30	SRF20/30	ST-R 20/30	MER20/30
PUR30/30	SRF30/30	ST-R 30/30	MER30/30
PUR30/50	SRF30/50	ST-R 30/50	MER30/50
>Threaded connection (one) O-Ring			
PU3/1	SRF3/1	ST-R 3/1	ME3/1
PU3/1.5	SRF3/1.5	ST-R 3/1.5	ME3/1.5
PU4/1.5	SRF4/1.5	ST-R 4/1.5	ME4/1.5
PU4/2.5	SRF4/2.5	ST-R 4/2.5	ME4/2.5
PU5/2.5	SRF5/2.5	ST-R 5/2.5	ME5/2.5
PU5/3	SRF5/3	ST-R 5/3	ME5/3
PU10/3	SRF10/3	ST-R 10/3	ME10/3
PU15/3	SRF15/3	ST-R 15/3	ME15/3
PU20/3	SRF20/3	ST-R 20/3	ME20/3
PU30/3	SRF30/3	ST-R 30/3	ME30/3
PU30/5	SRF30/5	ST-R 30/5	ME30/5
>Push-in connection (double O-ring)			
PU3/10	P-SRF03/10	P ST-R 02/10 P-ST-R 03/10	ME2/10 ME3/10
PU4/10	P-SRF04/10	P ST-R 04/10	ME4/10
PU4/20	P-SRF04/20	P ST-R 04/20	ME4/20
PU5/20	P-SRF05/20	P ST-R 05/20	ME5/20
PU5/25	P-SRF05/25	P ST-R 05/25	ME5/25
PU7/25	P-SRF07/25	P ST-R 07/25	ME7/25
PU7/30	P-SRF07/30	P ST-R 07/30	ME7/30
PU10/30	P-SRF10/30	P ST-R 10/30	ME10/30
PU15/30	P-SRF15/30	P ST-R 15/30	ME15/30
PU20/30	P-SRF20/30	P ST-R 20/30	ME20/30
PU30/30	P-SRF30/30	P ST-R 30/30	ME30/30
PU30/50	P-SRF30/50	P ST-R 30/50	ME30/50

Order-No.: PU(R)



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Filter-Elements for PVA-Filter housings

with Stainless Steel Endcaps

Order-No.	Description
PU / PUR2,5	suitable for PVA-Housings
PU / PUR5	suitable for PVA-Housings
PU / PUR5-P7*	suitable for PVA-Housings
PU / PUR10-P7*	suitable for PVA-Housings
PU / PUR20-P7*	suitable for PVA-Housings
PU / PUR30-P7*	suitable for PVA-Housings

Example

Length: 10"

Retention 0,01 Mikron

Connection Type: Double O-RING

Sealing Method: EPDM (SILICON)

Order-No.: PU10/30

Ordering Information

Element Code	Cartridge Length	Endcap Location
PUR-BZ	2.5" (65 mm)	Demi A & B Std (Z)
PUR-AZ	5" (125 mm)	Demi A & B Std (Z)
PU10-AB7-SRH	10" (250 mm)	BS226 (C)
PU20-AB7-SRH	20" (500 mm)	BS226 (C)
PU30-AB7-SRH	30" (750 mm)	BS226 (C)

All PURE-X cartridges are supplied as single units

PURE-X Retrofit Cartridge Part Numbers

Pure X Cartridge	PU3/1	PU3/1.5	PU4/1.5	PU4/2.5	PU5/2.5	PU5/3	PU10/3	PU15/3	PU20/3	PU30/3	PU30/5	
Retrofit Cartridge	SRF3/1	SRF3/1.5	SRF4/1.5	SRF4/2.5	SRF5/2.5	SRF5/3	SRF10/3	SRF15/3	SRF20/3	SRF30/3	SRF30/5	
Pure X Cartridge	PUR2/10	PUR3/10	PUR4/20	PUR5/20	PUR5/25	PUR7/25	PUR7/30	PUR10/30	PUR15/30	PUR20/30	PUR30/30	PUR30/50
Retrofit Cartridge	SRF02/10	SRF03/10	SRF04/20	SR05/20	SRF05/25	SRF07/25	SRF07/30	SRF10/30	SRF15/30	SRF20/30	SRF30/30	SRF30/50
Pure X Cartridge	PU2/10	PU03/10	PU4/20	PU5/20	PU5/25	PU7/25	PU7/30	PU10/30	PU15/30	PU20/30	PU30/30	PU30/50
Retrofit Cartridge	P-SRF02/10	P-SRF03/10	P-SRF04/20	P-SRF05/20	P-SRF05/25	P-SRF07/25	P-SRF07/30	P-SRF10/30	P-SRF15/30	P-SRF20/30	P-SRF30/30	P-SRF30/50