

STERILE FILTER ELEMENTS

ZU / ZUR series – Depth Filters for sterile Air and Gases



Filter elements in the ZU / ZUR 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 Industry
- > Pharmaceutical Industry
- > 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 und bacteriophage MS2 in aerosol phase.

Features

> Material features

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

> Operating characteristics

Retention	0.01 µm / 99.9999%
Max. Operating Temperature	-20°C bis +150°C
Steam Sterilization	142°C / 30 min (100 Zyklen)

Please note:

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

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Filter elements ZU / ZUR series

PURE	OEM Ultrafilter / Donaldson	OEM Zander	OEM Domnick Hunter / Parker
>Threaded connection (double o ring)			
ZUR03/10-SRF	SRF02/10 SRF03/10	ST-R 02/10 ST-R 03/10	MER2/10 MER3/10
ZUR04/10-SRF	SRF04/10	ST-R 04/10	MER4/10
ZUR04/20-SRF	SRF04/20	ST-R 04/20	MER4/20
ZUR05/20-SRF	SRF05/20	ST-R 05/20	MER5/20
ZUR05/25-SRF	SRF05/25	ST-R 05/25	MER5/25
ZUR07/25-SRF	SRF07/25	ST-R 07/25	MER7/25
ZUR07/30-SRF	SRF07/30	ST-R 07/30	MER7/30
ZUR10/30-SRF	SRF10/30	ST-R 10/30	MER10/30
ZUR15/30-SRF	SRF15/30	ST-R 15/30	MER15/30
ZUR20/30-SRF	SRF20/30	ST-R 20/30	MER20/30
ZUR30/30-SRF	SRF30/30	ST-R 30/30	MER30/30
ZUR30/50-SRF	SRF30/50	ST-R 30/50	MER30/50
>Threaded connection (1 o ring)			
ZU3/1-SRF	SRF3/1	ST-R 3/1	ME3/1
ZU3/1.5-SRF	SRF3/1.5	ST-R 3/1.5	ME3/1.5
ZU4/1.5-SRF	SRF4/1.5	ST-R 4/1.5	ME4/1.5
ZU4/2.5-SRF	SRF4/2.5	ST-R 4/2.5	ME4/2.5
ZU5/2.5-SRF	SRF5/2.5	ST-R 5/2.5	ME5/2.5
ZU5/3-SRF	SRF5/3	ST-R 5/3	ME5/3
ZU10/3-SRF	SRF10/3	ST-R 10/3	ME10/3
ZU15/3-SRF	SRF15/3	ST-R 15/3	ME15/3
ZU20/3-SRF	SRF20/3	ST-R 20/3	ME20/3
ZU30/3-SRF	SRF30/3	ST-R 30/3	ME30/3
ZU30/5-SRF	SRF30/5	ST-R 30/5	ME30/5
>Push-fit connection (double o ring)			
ZU03/10-P-SRF	P-SRF03/10	P ST-R 02/10 P-ST-R 03/10	ME2/10 ME3/10
ZU04/10-P-SRF	P-SRF04/10	P ST-R 04/10	ME4/10
ZU04/20-P-SRF	P-SRF04/20	P ST-R 04/20	ME4/20
ZU05/20-P-SRF	P-SRF05/20	P ST-R 05/20	ME5/20
ZU05/25-P-SRF	P-SRF05/25	P ST-R 05/25	ME5/25
ZU07/25-P-SRF	P-SRF07/25	P ST-R 07/25	ME7/25
ZU07/30-P-SRF	P-SRF07/30	P ST-R 07/30	ME7/30
ZU10/30-P-SRF	P-SRF10/30	P ST-R 10/30	ME10/30
ZU15/30-P-SRF	P-SRF15/30	P ST-R 15/30	ME15/30
ZU20/30-P-SRF	P-SRF20/30	P ST-R 20/30	ME20/30
ZU30/30-P-SRF	P-SRF30/30	P ST-R 30/30	ME30/30
ZU30/50-P-SRF	P-SRF30/50	P ST-R 30/50	ME30/50

Order No.: ZU(R)



STERILE FILTER ELEMENTS

ZU / ZUR series – Depth Filters for sterile Air and Gases

Filter elements for PVA filter housings

with Stainless Steel end caps

Order No.	Description
ZU / ZUR2,5	suitable for PVA housings
ZU / ZUR5	suitable for PVA housings
ZU / ZUR5-P7*	suitable for PVA housings
ZU / ZUR10-P7*	suitable for PVA housings
ZU / ZUR20-P7*	suitable for PVA housings
ZU / ZUR30-P7*	suitable for PVA housings

* please select the required o ring

Example

Length: 10"

Retention: 0.01 micron

Connection type: Double o ring

Sealing method: EPDM (SILICONE)

Order No.: ZU10/30

Ordering Information

Element Code	Cartridge Length	Endcap Location
ZUR-BZ	2,5" (65 mm)	Demi A & B Std (Z)
ZUR-AZ	5" (125 mm)	Demi A & B Std (Z)
ZU10.AB7-SRH	10" (250 mm)	BS226 (C)
ZU20.AB7-SRH	20" (500 mm)	BS226 (C)
ZU30.AB7-SRH	30" (750 mm)	BS226 (C)

All PURE-X cartridges are supplied as single units

PURE-X Retrofit Cartridge Part Numbers

PureX Cartridge	ZU31	ZU31.5	ZU41.5	ZU42.5	ZU52.5	ZU53	ZU103	ZU153	ZU203	ZU303	ZU305	
Retrofit Cartridge	ST-R.31	ST-R.31.5	ST-R.41.5	ST-R.42.5	ST-R.52.5	ST-R.53	ST-R.103	ST-R.153	ST-R.203	ST-R.303	ST-R.305	
PureX Cartridge	ZUR2/10	ZUR3/10	ZUR4/20	ZUR5/20	ZUR5/25	ZUR7/25	ZUR7/30	ZUR10/30	ZUR15/30	ZUR20/30	ZUR30/30	ZUR30/50
Retrofit Cartridge	ST-R.02/10	ST-R.03/10	ST-R.04/20	ST-R.05/20	ST-R.05/25	ST-R.07/25	ST-R.07/30	ST-R.10/30	ST-R.15/30	ST-R.20/30	ST-R.30/30	ST-R.30/50
PureX Cartridge	ZU2/10	ZU3/10	ZU4/20	ZU5/20	ZU5/25	ZU7/25	ZU7/30	ZU10/30	ZU15/30	ZU20/30	ZU30/30	ZU30/50
Retrofit Cartridge	PST-R.02/10	PST-R.03/10	PST-R.04/20	PST-R.05/20	PST-R.05/25	PST-R.07/25	PST-R.07/30	PST-R.10/30	PST-R.15/30	PST-R.20/30	PST-R.30/30	PST-R.30/50