

BOLA Filtration



Information about pore sizes – what do these indications mean?

Class	Indication	Pore size in μm
00	P 500	250 - 500 *
0	P 250	160 - 250 *
1	P 160	100 - 160 *
2	P 100	40 - 100
3	P 40	16 - 40
4	P 16	10 - 16
5	P 1,6	1 - 1,6

* not feasible with PTFE at the moment

What you should know about porous PTFE.

For the production of porous rods, tubes and tiles, PTFE particles are melted together.

The pore size can be determined both by the selection of the PTFE granules and the process parameters.

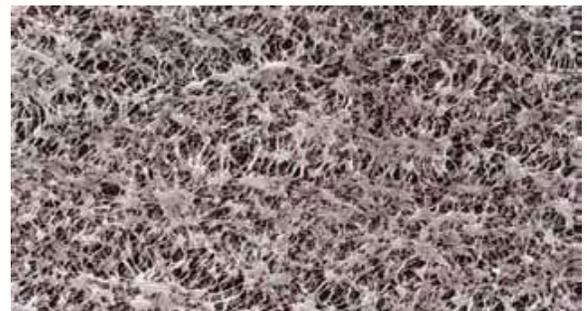
Due to the non-adhesive surface, filtering devices made of fluoroplastics (PTFE/PFA) are easy to clean and have a long durability.

Microporous PTFE has the same unique properties like "normal" PTFE:

- » non-adhesive / dirt-repellent
- » hydrophobic / water-repellent
- » non-wettable
- » no release of trace elements in the filtrate (no plasticisers)
- » almost universal chemical resistance to acids, bases and solvents
- » excellent temperature resistance between -200°C and $+250^{\circ}\text{C}$ (temporarily even $+300^{\circ}\text{C}$)
- » autoclavable

Typical applications – often asked.

Pore size	Application
50 μm	Filtration of coarse particles, distribution of gas in liquids
5 μm	Filtration of medium-sized particles, laboratory filtration, valve for packings (gas permeable, leak proof)
1 μm	Filtration of aqueous solvents, elimination of particles
0,45 μm	Prefiltration of aqueous solvents, HPLC solvents, protein solvents and alcohols, sterile filtration of air or other gases
0,2 μm	Ultracleaning of organic solvents and alcohols, sterile filtration of air or other gases
0,05 μm	Ultracleaning of solvents or gases (virus)



BOLA Scrubber Adaptors for Bottles

Material: PTFE, PP
 Chemical resistance: +++ universal
 autoclave: 121°

Product description:

Consisting of PTFE body with connecting nut and two lateral GL 18 threaded necks, a FEP inlet tube with a length of 300 mm and a gas distributor with finest bores. Easy in- and outlet of gas by means of hard-walled tubing (e.g. PTFE) which can be connected to the threaded necks by means of BOLA Laboratory Screw Joints (page 77). Elastic tubing can be connected by means of hose connectors (page 118). Inlet tube can be shortened individually.

The special feature: the body of the adaptor can be turned independently from the connecting nut. This means that the completely assembled adaptor can be removed and fixed on another bottle without the risk of disarranging the tubing. Suitable for bottles of Duran Group (formerly Schott AG) with GL 45 and GLS 80 thread and a volume between 100 and 5000 ml.

FDA conform

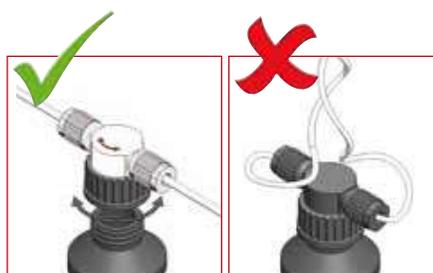
	For bottle thread	Gas inlet tube mm	Width incl. threaded necks mm	Cat. No.:
A	GL 45	300	76	N 1660-14
B	GLS 80	300	76	N 1660-24

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Flow rate:

Using the standard gas distributor and at the stated system pressure.

Cat. No.:	System pressure		
	0,1 bar	0,3 bar	0,6 bar
N 1660-14	150 l/h	325 l/h	465 l/h
N 1660-24	500 l/h	1000 l/h	1500 l/h



BOLA INNOVATION

Scrubber Adaptors for Bottles

Usable for different bottle sizes since the 300 mm FEP tube can be shortened individually. BOLA is offering two versions: suitable for bottle thread GL 45 or GLS 80 (e.g. from Duran Group).



Spare parts for: Scrubber Adaptors for Bottles and Scrubber Bottles Vitrum

Description	Material	Packing Unit	suitable for Cat. No.:	Cat. No.:	
Replacement Gas Inlet Tubes	FEP	Pack size: 5 pieces	N 1660-14 / N 1660-24 / N 1662-14 N 1662-24 / N 1662-34 / N 1662-44	N 911-01	
Replacement-Gas Distributor GL 45	PTFE	Pack size: 5 pieces	N 1660-14 / N 1662-14 / N 1662-24	N 910-01	
Replacement-Gas Distributor GLS 80	PTFE	Pack size: 5 pieces	N 1660-24 / N 1662-34 / N 1662-44	N 910-02	

BOLA Scrubber Bottles Vitrum

Material: PTFE, PP
 Chemical resistance: **+++ universal**
 autoclave: **121°**

Product description:

Consisting of PTFE body with screw cap and two lateral GL 18 threaded necks, suitable bottle made of borosilicate glass as well as a FEP inlet tube and a gas distributor with finest bores. Easy in- and outlet of gas by means of hard-walled tubing (e. g. PTFE) which can be connected to the threaded necks with BOLA Laboratory Screw Joints. Elastic tubing can be connected by means of hose connectors.

The special feature: The body of the distributor can be turned independently from the screw cap. This means that the completely assembled distributor can be removed and fixed on another bottle without the risk of disarranging the tubing.

FDA conform

	Capacity ml	For bottle thread	Necks GL	Total height mm	Cat.No.:
A	500	GL 45	2 x 18	207	N 1662-14
	1.000	GL 45	2 x 18	256	N 1662-24
B	500	GLS 80	2 x 18	186	N 1662-34
	1.000	GLS 80	2 x 18	256	N 1662-44

Flow rate:

Using the standard gas distributor and at the stated system pressure.

Cat.No.:	System pressure		
	0,1 bar	0,3 bar	0,6 bar
N 1662-14	150 l/h	325 l/h	425 l/h
N 1662-24	150 l/h	325 l/h	425 l/h
N 1662-34	500 l/h	1000 l/h	1500 l/h
N 1662-44	500 l/h	1000 l/h	1500 l/h



BOLA Gas Distributors

Material: PTFE
 Temperature resistance: **from -200°C to +250°C**
 Chemical resistance: **+++ universal**

Product description:

With finest bores (4 x 0,4 mm) for steady sparkling of the flowing gas, only low pressure is necessary. Suitable for scrubber bottles and columns (page 200) with M 8x1 thread and for gas inlet tubes (page 265).

FDA conform

O.D. mm	Height mm	Receiver M	Suitable for Cat. No.:	Cat. No.:
28	24	8 x 1	A 117-.. / A 118-..	N 1501-16



BOLA Gas Frits

Material: PTFE
 Temperature resistance: from -200°C to +250°C
 Chemical resistance: +++ universal

Product description:

Microporous PTFE with pore size 5 µm for steady sparkling of the flowing gas. Suitable for scrubber bottles and columns (page 200) with M 8x1 thread and for gas inlet tubes (page 265).

FDA conform

O.D. mm	Length mm	Receiver	Suitable for Cat. No.:	Cat. No.:
15	15	M 6 x 1		N 1503-28
25	26	M 8 x 1	A 117-.. / A 118-..	N 1503-32
15	15	Ø 5 mm		N 1503-36
25	26	Ø 7 mm		N 1503-40



BOLA Gas Inlet Tubes

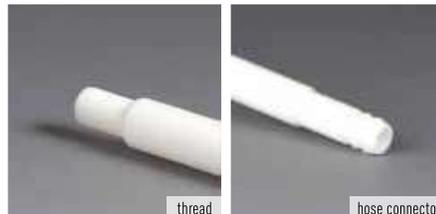
Material: PTFE
 Temperature resistance: from -200°C to +250°C
 Chemical resistance: +++ universal

Product description:

For constructing a gas washing equipment. Tube with inner diameter 5 mm, one side with hose connector dia. 9 mm for connecting tubing, other side with thread M 8x1 for connecting a gas frit or a gas distributor.

FDA conform

Length mm				Cat. No.:
200				N 1502-02
400				N 1502-04
600				N 1502-06



thread

hose connector

BOLA Pressure Pre-Filters

Material: PTFE
 Temperature resistance: from -200°C to +250°C
 Chemical resistance: +++ universal
 Pressure: 10 bar
 autoclave: 121°

Product description:

For direct fine filtration in front of HPLC columns. For filtering membranes (available optionally – page 272) with a diameter of 13 mm and a thickness between 0,2 µm, filtration surface of 132 mm² for filtration with nearly no dead volume. The membrane can be exchanged by hand. Connection threads on both sides UNF 1/4" 28 G, suitable flanged tubing can be found on page 246.

FDA conform

For tubing I.D. mm	For filtering membrane with dia. mm		Cat. No.:
(1/32") 0,8	13		F 780-08
(1/16") 1,6	13		F 780-16



Example

**BESTSELLER****BOLA Flow Filters**

Material: PTFE, PPS	Temperature resistance: from -20°C to +160°C	Chemical resistance: +++ universal	Vacuum: suitable	autoclave: 121°
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Product description:

Suitable for overpressure or vacuum, usable for example as added filter or as large-area in-line apparatus in a line system. Suitable for temperatures up to +160°C. The optionally available filtering membranes (page 272) can be exchanged easily. Tubing can be connected to GL threads by means of the included laboratory screw joints.

The filters are produced without plasticisers and have an almost universal chemical resistance. They do not release any trace elements into the filtrate. Due to the non-adhesive surface, they are easy to clean and can be reused.

FDA conform

For membrane dia. mm	Filtration surface cm ²	Connecting thread GL	For tubing O.D. mm	Cat. No.:
25	3,1	14	3,2 and 6,0	N 1670-08
47	13,8	18	6,0 and 8,0	N 1670-16
90	52,0	25	8,0 and 10,0	N 1670-24

Flow rate:

Flow capacity under vacuum of 100 kPa (1000 mbar) with Water / 1 kPa (10 mbar) with air using a PTFE filtering membrane with a thickness of 0,2 mm:

For membrane dia. mm	Pore size μm	Product	Flow ml/min.	For membrane dia. mm	Pore size μm	Product	Flow ml/min.
25	1,00	water	5	47	0,45	water	3
25	1,00	air	92	47	0,45	air	122
25	0,45	water	1	90	1,00	water	57
25	0,45	air	34	90	1,00	air	1.191
47	1,00	water	16	90	0,45	water	12
47	1,00	air	325	90	0,45	air	446

**Spare parts for: Flow Filters**

Description	Material	Packing Unit	For membrane dia.	suitable for: Cat. No.:	Cat. No.:	
Replacement Gasket with O-Ring	PTFE/ FKM	pack size: 3 pieces	25 mm 47 mm 90 mm	N 1670-08 N 1670-16 N 1670-24	N 912-01 N 912-02 N 912-03	

BOLA Vacuum Filters

Material: **PTFE, PFA** Temperature resistance: **from -200°C to +250°C** Chemical resistance: **+++ universal**

Product description:

Filtration unit made of PTFE, multi-stage hose connector with integrated lock screw for connecting vacuum tubing with I.D. 6 mm or 8 mm, PTFE supporting disc to fit optionally available filtering discs (page 272). Collecting vessel made of PFA, filling vessel with lid for protection against contaminations also made of PFA. The filters are produced without plasticisers and have an almost universal chemical resistance. They do not release any trace elements into the filtrate. Due to the non-adhesive surface, they are easy to clean and can be reused.

FDA conform

For membrane dia. mm	Filtration surface cm ²	Capacity of filling / collecting vessel ml	O.D. mm	Total height mm	Cat. No.:
47	13,8	240	86	250	N 1650-08
47	13,8	500	100	290	N 1650-16
90	55,4	1.000	130	370	N 1650-24

Flow rate:

Flow capacity for water under vacuum of 100 kPa (1000 mbar) using a PTFE filtering membrane with a thickness of 0,2 mm:

For membrane dia. mm	Pore size µm	Flow ml/min.
47	1,00	55
47	0,45	20
47	0,20	11
90	1,00	199
90	0,45	72
90	0,20	42

« »
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FILTRATION



SUITABLE: page 272
Dimensionally coordinated
filtering membranes

BOLA Vacuum Filter Funnels

Material: **PTFE, PFA** Temperature resistance: **from -200°C to +250°C** Chemical resistance: **+++ universal** Transparency: **transparent** autoclave: **121°**

Product description:

Filtration unit made of PTFE with cone size 29 for connection to a vessel (must be suitable for vacuum) with socket size 29. Multi-stage hose connector with integrated lock screw for vacuum tubing with I.D. 6 and 8 mm, filtration surface 13,8 cm², easily exchangeable filtering membrane dia. 47 mm (optionally available – page 272). Filling vessel made of PFA with PTFE lid for protection against contaminations.

FDA conform

Capacity of filling vessel ml	O.D. mm	Total height mm	Cat. No.:
125	62	188	N 1658-08

Flow rate:

Flow capacity for water under vacuum of 100 kPa (1000 mbar) using a PTFE filtering membrane with a diameter of 47 mm and a thickness of 0,2 mm:

Pore size µm	Flow ml/min.
1,00	61
0,45	15
0,20	8



BOLA Vacuum Adaptor GL

Material: PTFE	Temperature resistance: from -15 °C to +200 °C	Chemical resistance: +++ universal	autoclave: 121°	Vacuum: suitable
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Product description:

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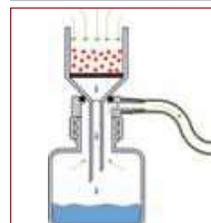
Made of PTFE. Pass-through with o-ring made of FKM for safe assembly of standard filter funnels made of glass or plastic on flasks with thread GL 45. Lateral 2-step hose connector made of PTFE for connection to a vacuum pump by means of suitable tubing.

FDA conform

For thread GL	For funnel outlet max. Ø mm	2-Step hose connector		Cat. No.:
		O.D. 1 mm	O.D. 2 mm	
45	22	9	12	N 1656-45

Applications:

For vacuum filtration, the o-ring at the pass-through provides good sealing to the filter funnel. A slight vacuum is sufficient.



BOLA Vacuum Adaptor with Ground Joint

Material: PTFE	Temperature resistance: from -15 °C to +200 °C	Chemical resistance: +++ universal	autoclave: 121°	Vacuum: suitable
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Product description:

NEW

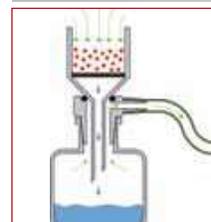
Made of PTFE. Pass-through with o-ring made of FKM for safe assembly of standard filter funnels made of glass or plastic on vessels and round-bottom flasks with ground joint. Lateral 2-step hose connector made of PTFE for connection to a vacuum pump by means of suitable tubing.

FDA conform

Cone size NS	For funnel outlet max. Ø mm	2-Step hose connector		Cat. No.:
		O.D. 1 mm	O.D. 2 mm	
29/32	22	9	12	N 1655-04
45/40	22	9	12	N 1655-06

Applications:

For vacuum filtration, the o-ring at the pass-through provides good sealing to the filter funnel. A slight vacuum is sufficient.



BOLA Buchner Funnel

Material: PTFE	Temperature resistance: from -200 °C to +250 °C	Chemical resistance: +++ universal	Vacuum: suitable	autoclave: 121°
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Product description:

Made of PTFE. Two-part version demountable in upper and lower part for easy cleaning and removal of filter cake. Suitable for vacuum filtration. Nominal sizes and dimensions as per DIN 12 905. Suitable for commercial filter papers (not included in the scope of delivery). Universal chemical resistance, the medium is only exposed to PTFE.

FDA conform

Nominal size As per DIN 12 905	Volume ml	For filter paper dia. mm	Total height mm	Cat. No.:
45	50	45	94	N 1654-02
55	75	55	117	N 1654-04
70	135	70	142	N 1654-06
90	290	90	165	N 1654-08

Applications:

For suspension of solids.



BOLA Vacuum Trap

Material: PP, PBTB	Temperature resistance: from 0 °C to +110 °C	Chemical resistance: ++ very good	autoclave: 121 °C	Vacuum: suitable
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Product description:

Consisting of a screw cap red made of PBTP for thread GL 45, distributor body made of PP with 2-step hose connectors for connection of elastic tubing (such as silicone, Viton® or Tygon®) as well as a gas inlet tube made of FEP. With arrow on the top side of the distributor body to display the flow direction. The gas inlet tube can be cut to length on request. Limited chemical resistance, for working temperatures up to max. +110 °C.

FDA conform

2-Step hose connector		Length gas inlet tube mm	Width including necks mm	Cat. No.
O.D. 1	O.D. 2 mm			
9	12	150	80	D 810-05

Applications:

Protection of pumps or vacuum systems from damages through vapour or condensate.



Material: PTFE, PPS	Temperature resistance: from -20 °C to +200 °C	Chemical resistance: +++ universal	autoclave: 121 °C	Vacuum: suitable
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Product description:

Consisting of a screw cap black made of PPS for thread GL 45, distributor body made of PTFE with 2-step hose connectors for connection of elastic tubing (such as silicone, Viton® or Tygon®) as well as a gas inlet tube made of FEP. With arrow on the top side of the distributor body to display the flow direction. The gas inlet tube can be cut to length on request. Universal chemical resistance, for working temperatures up to max. +200 °C.

FDA conform

2-Step hose connector		Length gas inlet tube mm	Width including necks mm	Cat. No.
O.D. 1	O.D. 2 mm			
9	12	150	80	D 810-10

Applications:

Protection of pumps or vacuum systems from damages through vapour or condensate.



BOLA Filter Adaptors for Syringes

Material: PTFE	Temperature resistance: from -200°C to +250°C	Chemical resistance: +++ universal	Pressure: 2 bar	autoclave: 121°
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Product description:

Adaptors can be screwed together into multi-stage filters (prefilter, main filter). The low weight of only 14 g or 44 g allows easy exchange of the optionally available filtering membranes (page 272).

FDA conform

For membrane dia. mm	Filtration surface cm ²	O.D. mm	Total height mm	Cat. No.:
13	0,78	21	35	N 1666-08
25	3,80	34	40	N 1666-16

Flow rate:

Flow capacity for water under vacuum of 100 kPa (1000 mbar) using a PTFE filtering membrane with a thickness of 0,2 mm:

For membrane dia. mm	Pore size µm	Flow ml/min.
13	1,00	1
13	0,45	0,3
25	1,00	5
25	0,45	2



BOLA Three-Stage Flow Filter

Material: PFA	Temperature resistance: from -200°C to +250°C	Chemical resistance: +++ universal	Vacuum: suitable	autoclave: 121°
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Product description:

Filter made of PFA with connecting nut made of glass-fibre reinforced ETFE. Suitable for vacuum and overpressure up to max. 150 kPa (1.500 mbar) and for temperatures up to max. +160°C. Multi-stage filtrations with up to 3 different filtering membranes are possible. Easy exchange of the optionally available filtering membrane (page 272). Couplings for connecting tubing (page 159) with O.D. 6,35 mm (1/4") are included.

FDA conform

For membrane dia. mm	For tubing O.D. mm	Filtration surface cm ²	O.D. mm	Cat. No.:
47	(1/4") 6,35	3 x 14,1	62	N 1682-08

Flow rate:

Flow capacity under vacuum of 100 kPa (1000 mbar) with Water / 1 kPa (10 mbar) with air using a PTFE filtering membrane with a diameter of 47 mm and a thickness of 0,2 mm:

Pore size µm	Product	Flow ml/min.
1,00	water	6
0,45	water	1
1,00	air	418
0,45	air	231



BOLA Single-Stage Flow Filter

Material: PFA	Temperature resistance: from -200°C to +250°C	Chemical resistance: +++ universal	Vacuum: suitable	autoclave: 121°
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Product description:

Filter made of PFA with connecting nut made of glass-fibre reinforced ETFE. Suitable for vacuum and overpressure up to max. 150 kPa (1.500 mbar) and for temperatures up to max. +160°C. Easy exchange of the optionally available filtering membrane (page 272). Couplings for connecting tubing (page 159) with O.D. 6,35 mm (1/4") are included.

FDA conform

For membrane dia. mm	For tubing O.D. mm	Filtration surface cm ²	O.D. mm	Cat. No.:
47	(1/4") 6,35	14,1	62	N 1678-08

Flow rate:

Flow capacity under vacuum of 100 kPa (1000 mbar) with Water / 1 kPa (10 mbar) with air using a PTFE filtering membrane with a diameter of 47 mm and a thickness of 0,2 mm:

Pore size µm	Product	Flow ml/min.
1,00	water	16
0,45	water	4
1,00	air	325
0,45	air	122



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BOLA Suction Filters

Material: PTFE	Temperature resistance: from -200°C to +250°C	Chemical resistance: +++ universal	autoclave: 121°
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Product description:

Consisting of a receiver made of PTFE with female thread UNF 1/4" 28 G and an easily exchangeable frit made of porous PTFE (Cat. No. F 766-..). Ideal prefilters in front of pump systems for protecting gaskets, pistons or column packings against premature wearing due to contamination. Suitable flanged tubing can be found on page 246.

FDA conform

Pore size µm	For tubing I.D. mm	Dia. of filter mm	Length of filter cm	Cat. No.:
2	(1/32") 0,8	14	25	F 765-08
2	(1/16") 1,6	14	25	F 765-16
10	(1/32") 0,8	14	25	F 765-48
10	(1/16") 1,6	14	25	F 765-56



Spare Parts for: Suction Filters

Description	Material	Packing Unit	Pore size µm	suitable for Cat. No.	Cat. No.:
Replacement-Frits for Suction Filters	PTFA	1 piece	2 µm 10 µm	F 765-08 / F 765-16 F 765-48 / F 765-56	F 766-08 F 766-48



BOLA Filtering Membranes

Material: PTFE
 Temperature resistance: from -200°C to +250°C
 Chemical resistance: +++ universal

Product description:

Made of microporous PTFE, thickness 0,2 mm, packing unit: 10 pieces

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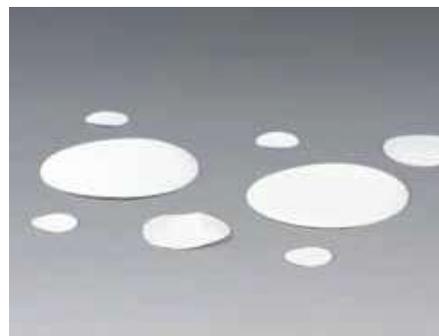
FDA conform

Dia. of membrane mm	Pore size µm	Filtration surface mm ²	Cat. No.:
13	0,05	132	N 1690-08
13	0,20	132	N 1690-12
13	0,45	132	N 1690-16
13	5,00	132	N 1690-24
25	0,05	490	N 1690-28
25	0,20	490	N 1690-32
25	0,45	490	N 1690-36
25	5,00	490	N 1690-44
47	0,05	1.735	N 1690-48
47	0,20	1.735	N 1690-52
47	0,45	1.735	N 1690-56
47	1,00	1.735	N 1690-60
47	5,00	1.735	N 1690-64
47	10,00	1.735	N 1690-65
90	1,00	6.362	N 1690-80
90	5,00	6.362	N 1690-84

Flow rate:

Flow capacity under air pressure of 1 kPa (10 mbar) / water pressure of 100 kPa (1000 mbar) using a PTFE filtering membrane with a diameter of 47 mm and a thickness of 0,2 mm:

Pore size µm	Medium	Flow ml/min.
0,05	air	102
0,05	water	8
0,20	air	230
0,20	water	11
0,45	air	420
0,45	water	13
1,00	air	800
1,00	water	262
5,00	air	2360
5,00	water	868
10,00	air	9845
10,00	water	4723



BOLA Filtering Discs

Material: PTFE
 Temperature resistance: from -200°C to +250°C
 Chemical resistance: +++ universal

Product description:

Made of porous PTFE, thickness 1,0 mm, packing unit: 10 pieces.

NEW

FDA conform

Dia. of membrane mm	Pore size µm	Filtration surface mm ²	Cat. No.:
47	1,0	1.735	N 1565-06
47	5,0	1.735	N 1565-12
47	10,0	1.735	N 1565-18
47	25,0	1.735	N 1565-24
90	1,0	6.362	N 1565-42
90	5,0	6.362	N 1565-48

Flow rate:

Flow capacity under air pressure of 1 kPa (10 mbar) / water pressure of 100 kPa (1000 mbar) using a PTFE filtering disc with a diameter of 47 mm and a thickness of 1,0 mm:

Pore size µm	Medium	Flow ml/min.
1,0	air	101
1,0	water	14
5,0	air	311
5,0	water	60
10,0	air	981
10,0	water	568
25,0	air	2997
25,0	water	1996



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BOLA Filtering Discs

Material: PTFE
 Temperature resistance: from -200°C to +250°C
 Chemical resistance: +++ universal

Product description:

Made of microporous PTFE, thickness 1 mm, packing unit: 10 pieces

FDA conform

Pore size µm	Dia. of membrane mm	Filtration surface mm ²	Cat. No.:
7	47	1.735	N 1564-10



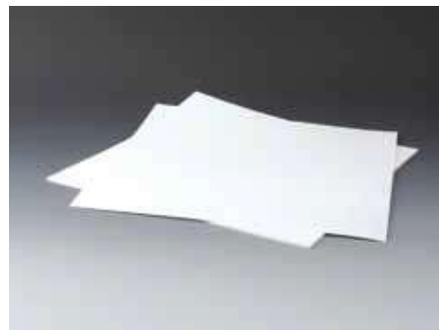
BOLA Filtering Tiles

Material: PTFE Temperature resistance: from -200°C to +250°C Chemical resistance: +++ universal

Product description:
Made of microporous PTFE, standard tiles with dimensions of 320 x 320 mm for cutting or stamping.

FDA conform

Pore size µm	Thickness mm	Cat. No.:
5	1	N 1610-10
10	1	N 1616-10
10	2	N 1616-20
10	3	N 1616-30



BOLA Filtering Sheets

Material: PTFE Temperature resistance: from -200 °C to +250 °C Chemical resistance: +++ universal

Product description:
Made of porous PTFE, width approx. 150 mm x length 300 mm.

NEW

FDA conform

Pore size µm	Thickness mm	Cat. No.:
0,05	0,2	N 1617-02
0,20	0,2	N 1617-04
0,45	0,2	N 1617-06
1,00	0,2	N 1617-10
1,00	1,0	N 1617-15
2,50	0,2	N 1617-20
2,50	1,0	N 1617-25
5,00	0,2	N 1617-30
5,00	1,0	N 1617-35
10,00	0,2	N 1617-40
10,00	1,0	N 1617-45
25,00	1,0	N 1617-55

Applications:

Suitable for cutting and blanking. A reduction of stability and mechanical load capacity has to be observed when processing materials with larger pore sizes.



BOLA Filtering Rods

Material: PTFE
 Temperature resistance: from -200°C to +250°C
 Chemical resistance: +++ universal

Product description:

Made of microporous PTFE for further treatment and processing. Diameter and length are nominal dimensions and can contain a machining tolerance.

FDA conform

Pore size µm	Dia. of rod mm	Length mm	Cat. No.:
5	28	100	N 1505-28
5	32	120	N 1505-32
10	28	100	N 1510-28
50	28	100	N 1520-28



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BOLA Filtering Rods

Material: PTFE
 Temperature resistance: from -200 °C to +250 °C
 Chemical resistance: +++ universal

Product description:

Made of porous PTFE, roundly machined cylinder with approximate dia. 40 mm and height approx. 115 mm. Round shape for easier treatment.

NEW

FDA conform

Pore size µm	Cat. No.:
1,00	N 1530-05
2,50	N 1530-10
5,00	N 1530-15
10,00	N 1530-20
25,00	N 1530-25
50,00	N 1530-30
100,00	N 1530-35

Applications:

For further treatment by turning, milling or cutting e.g. to become filtering frits. A reduction of stability and mechanical load capacity has to be observed when processing materials with larger pore sizes.



BOLA Filtering Blocks

Material: PTFE
Temperature resistance: from -200 °C to +250 °C
Chemical resistance: +++ universal

Product description:

Made of porous PTFE, cuboid with edge length approx. 40 mm and height approx. 125 mm (unmachined sizes). The skin layer (approx. 3 mm) probably has a deviant maximum pore size due to production.

NEW

FDA conform

Pore size µm			Cat. No.:
1,00			N 1540-05
2,50			N 1540-10
5,00			N 1540-15
10,00			N 1540-20
25,00			N 1540-25
50,00			N 1540-30
100,00			N 1540-35

Applications:

For further treatment by turning, milling or cutting e.g. to become filtering frits. A reduction of stability and mechanical load capacity has to be observed when processing materials with larger pore sizes.

