

Бутылки для очистки газа А118, N1503, N1501, А117, N1662, N1660, N1502, N910, А119, F765, F766

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: bao@nt-rt.ru || сайт: <https://bola.nt-rt.ru>

BOLA Scrubber Bottles

Material:	Temperature resistance:	Chemical resistance:	Pressure:	Transparency:
PFA, PTFE	from -200°C to +250°C	+++ universal	no pressure	transparent



Product description:

Bottle made of PFA. PTFE top with two threaded connections. The standard PTFE frit has a pore size of approx. 3 µm and is screwed on the riser tube with an M8x1 thread. It can be exchanged with the PTFE gas distributor with fine bores (Cat. No. N 1501-16 – page 327) which needs a lower primary pressure.

Capacity ml	Total height mm	Connection for tubing O.D. mm	Cat. No.:
250	175	2 x 6	A 118-01
500	200	2 x 6	A 118-02
1.000	240	2 x 8	A 118-03

Product advantages:

- » transparent
- » unbreakable
- » frit easily exchangeable

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
A 118-01	12,5 l/h	67,5 l/h	140,0 l/h
A 118-02	7,5 l/h	30,0 l/h	80,0 l/h
A 118-03	7,5 l/h	37,5 l/h	80,0 l/h



BOLA Gas Frits

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

FDA conform

Product description:

Microporous PTFE with pore size 5 µm for steady sparkling of the flowing gas. Suitable for scrubber bottles and columns (page 326) with M 8x1 thread and for gas inlet tubes (page 329).

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 Distributors

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

FDA conform

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 326) with M 8x1 thread and for gas inlet tubes (page 329).

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



BOLA Scrubber Columns

Material: **FEP, PTFE** Temperature resistance: **from -200°C to +205°C** Chemical resistance: **+++ universal** Pressure: **no pressure** Transparency: **transparent**

FDA conform

Product description:

Tall, slim scrubber column made of FEP. Inlet and outlet tube as well as riser tube are made of FEP (5,6 x 8 mm), bottom and top are made of pure PTFE. The standard PTFE frit has a pore size of approx. 3 µm and is screwed on the riser tube with an M8x1 thread. It can be exchanged with the PTFE gas distributor with fine bores (Cat. No. N 1501-16 – page 327) which needs a lower primary pressure.

Capacity ml	Total height mm	Connection for tubing O.D. mm	O.D. of column mm	Cat. No.:
500	400	2 x 8	54	A 117-04
1.000	700	2 x 8	54	A 117-08

Product advantages:

- » transparent
- » unbreakable
- » intense mixing of gas due to tall riser tube
- » frit easily exchangeable

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
A 117-04	15,0 l/h	62,5 l/h	130,0 l/h
A 117-08	5,0 l/h	50,0 l/h	117,5 l/h



#SUITABLE PAGE 328
Scrubber Adaptors for Bottles
for GL 45 and GLS 80



BOLA Scrubber Bottles Vitrum

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

FDA conform

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.

	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 Scrubber Adaptors for Bottles

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

FDA conform

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 90). Elastic tubing can be connected by means of hose connectors (page 139). 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.

	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

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	425 l/h
N 1660-24	500 l/h	1000 l/h	1500 l/h





BOLA INNOVATION



#1 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).

BOLA Gas Inlet Tubes

Material:
PTFE

Temperature resistance:
from -200°C to +250°C

Chemical resistance:
+++ universal

FDA conform

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.

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



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 1662-32 / 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 Micro Scrubber Bottles

Material: **PFA** Temperature resistance: **from -200°C to +250°C** Chemical resistance: **+++ universal** Pressure: **no pressure** Transparency: **transparent**

FDA conform

Product description:

For use with volumes up to 50 ml. The gas inlet tube (not included, please choose a hard-walled tubing) is inserted through the fitting on the top and can be fixed safely. The side fitting is used as gas outlet.

Capacity ml	Total height mm	Connection for tubing O.D. mm	O.D. of bottle mm	Cat. No.:
50	180	6	31	A 119-24

Product advantages:

- » transparent
- » unbreakable
- » non-porous

Applications:

Can also be used as cold trap.



BOLA Suction Filters

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

FDA conform

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 299.

Pore size µm	For tubing I.D. mm	Dia. of filter mm	Length of filter mm	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	PTFE	1 piece	2 10	F 765-08 / F 765-16 F 765-48 / F 765-56	F 766-08 F 766-48	



По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04	Иваново (4932)77-34-06	Магнитогорск (3519)55-03-13	Ростов-на-Дону (863)308-18-15	Тольятти (8482)63-91-07
Ангарск (3955)60-70-56	Ижевск (3412)26-03-58	Москва (495)268-04-70	Рязань (4912)46-61-64	Томск (3822)98-41-53
Архангельск (8182)63-90-72	Иркутск (395)279-98-46	Мурманск (8152)59-64-93	Самара (846)206-03-16	Тула (4872)33-79-87
Астрахань (8512)99-46-04	Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Санкт-Петербург (812)309-46-40	Тюмень (3452)66-21-18
Барнаул (3852)73-04-60	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Саратов (845)249-38-78	Ульяновск (8422)24-23-59
Белгород (4722)40-23-64	Калуга (4842)92-23-67	Новокузнецк (3843)20-46-81	Севастополь (8692)22-31-93	Улан-Удэ (3012)59-97-51
Благовещенск (4162)22-76-07	Кемерово (3842)65-04-62	Ноябрьск (3496)41-32-12	Саранск (8342)22-96-24	Уфа (347)229-48-12
Брянск (4832)59-03-52	Киров (8332)68-02-04	Новосибирск (383)227-86-73	Симферополь (3652)67-13-56	Хабаровск (4212)92-98-04
Владивосток (423)249-28-31	Коломна (4966)23-41-49	Омск (3812)21-46-40	Смоленск (4812)29-41-54	Чебоксары (8352)28-53-07
Владикавказ (8672)28-90-48	Кострома (4942)77-07-48	Орел (4862)44-53-42	Сочи (862)225-72-31	Челябинск (351)202-03-61
Владимир (4922)49-43-18	Краснодар (861)203-40-90	Оренбург (3532)37-68-04	Ставрополь (8652)20-65-13	Череповец (8202)49-02-64
Волгоград (844)278-03-48	Красноярск (391)204-63-61	Пенза (8412)22-31-16	Сургут (3462)77-98-35	Чита (3022)38-34-83
Вологда (8172)26-41-59	Курск (4712)77-13-04	Петрозаводск (8142)55-98-37	Сыктывкар (8212)25-95-17	Якутск (4112)23-90-97
Воронеж (473)204-51-73	Курган (3522)50-90-47	Псков (8112)59-10-37	Тамбов (4752)50-40-97	Ярославль (4852)69-52-93
Екатеринбург (343)384-55-89	Липецк (4742)52-20-81	Пермь (342)205-81-47	Тверь (4822)63-31-35	

Россия +7(495)268-04-70	Казахстан +(727)345-47-04	Беларусь +(375)257-127-884	Узбекистан +998(71)205-18-59	Киргизия +996(312)96-26-47
-------------------------	---------------------------	----------------------------	------------------------------	----------------------------

эл.почта: bao@nt-rt.ru || сайт: <https://bola.nt-rt.ru>