

OCEAN V6&V4-WAY VALVES

Those who do not know how water gets into the pool should at least have good assistants.

Functional – Robust – Precise

Only a long lasting filter is a good filter. Praher has been holding the view of continuous advancement for quite a few decades now, and is therefore committed to the development and production of premium backwash valves, their piping systems and OEM filter components.

The products, resulting of this commitment, satisfy the rigorous criteria of demanding international test standards and therefore play an important role in the optimal and smooth operation of complex filter systems for many years.

Hence, Praher is known and appreciated as an acknowledged, neutral supplier within the global upscale pool filter industry.





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OCEAN 6-WAY VALVES

1 1/2", 2", 3" OCEAN V6 WAY BACKWASH VALVE „SIDE MOUNT“



OCEAN BACKWASH VALVES:

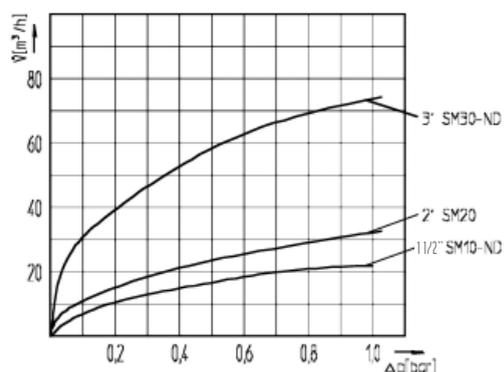
amongst other things, distinguish themselves by following special characteristics:

- Simple handling
- Clear, multilingual & non smudging laser inscription
- Optimal flowrates & pressure loss results
- Extremely quiet operation
- Made of premium, UV resistant, impact resisting ABS material
- Manufactured with extremely long-lasting sealing materials & pressure springs, which are mounted at the valve plate
- Additional position 'Winter' – which serves as a relief position for the sealing system during the winter months.
- Available in ABS (3,5 bar) and ASA-GF version (6 bar)
- Available in various colours and connection types
- Easy adaptation of the AQUASTAR Automatic Backwash Valves to our new manual V6 backwash valve ND 1 1/2", 2" and 3" side and top mount.
- Certified in function and sealing acc. to DIN 3230
- We can also offer you our wide range of filter mounting accessories in connection with our V4 and V6 backwash valves, as an additional service.

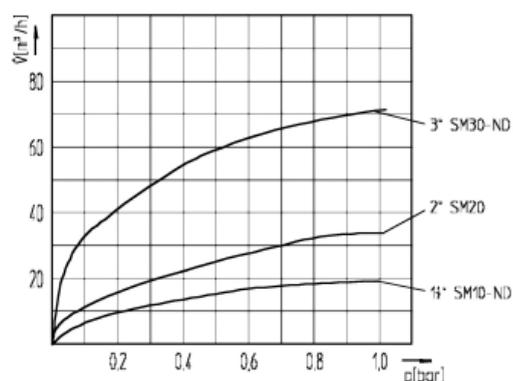
MATERIAL	PRESSURE/20°	DIMENSIONS	RECOMMENDED FLOWRATE "FILTER"	BODY CONNECTIONS	COLOUR
Sealings					
ABS	3,5 bar	11/2"	17 m ³ /h	BSP/NPT female thread	white, black
TPE/EPDM	3,5 bar	2"	27 m ³ /h	DIN mm /ASTM imperial solvent connections	other colours on request
	3,5 bar	3"	56 m ³ /h		
ASA-GF	6,0 bar	11/2"	17 m ³ /h	BSP/NPT/JIS female thread	beige
TPE/EPDM	6,0 bar	2"	27 m ³ /h		
FPM	5,0 bar	3"	56 m ³ /h		

Flowrate - Pressure Loss Diagram V6 SM 1 1/2", 2", 3"

Position „Filter“



Position „Backwash“



Packaging Unit:

single or loose, packed in cartons
 Laser engraving: "Praher Logo" - "Neutral" - "Customer Logo" on order
 quantities of 1.000 pcs: on request

1 1/2", 2", OCEAN V6 WAY BACKWASH VALVE „TOP MOUNT“

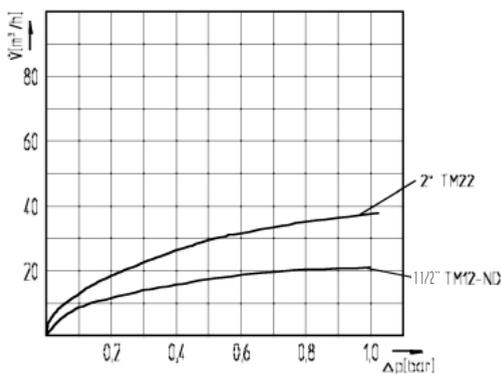


MATERIAL	PRESSURE/20°	DIMENSIONS	RECOMMENDED FLOWRATE "FILTER"	BODY CONNECTIONS	COLOUR
Sealings					
ABS	3,5 bar	1 1/2"	17 m ³ /h	BSP/NPT female thread	white, black
TPE/EPDM	3,5 bar	2"	27 m ³ /h	DIN mm /ASTM imperial	other colours
ASA-GF	6,0 bar	1 1/2"	17 m ³ /h	BSP/NPT/JIS female thread	beige
TPE/EPDM					
FPM					

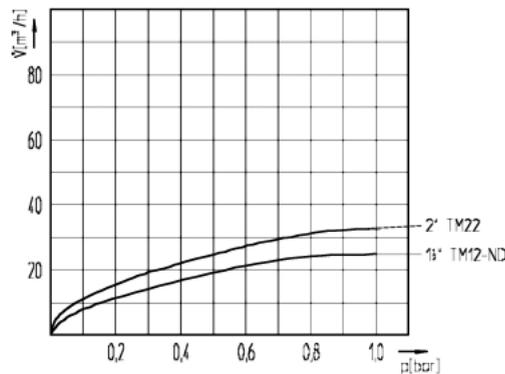
AVAILABLE FLANGE TYPES: 6" BS & 6" BUTTRESS thread, clamping flange, screw flange (for exact dimension kindly see page 53 - 55 of this catalogue)
 BASKET CONNECTIONS: d50/63 mm oder ASTM imperial 1 1/2", 2"

Flowrate - Pressure Loss Diagram V6 TM 1 1/2", 2"

Position „Filter“



Position „Backwash“



Packaging Unit:

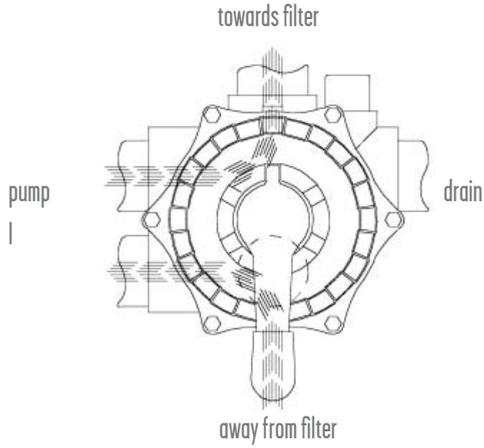
single or loose, packed in cartons
 Laser engraving: "Praher Logo" - "Neutral" - "Customer Logo" on order
 quantities of 1.000 pcs: on request

OCEAN V6-WAY VALVES

Function- and installation diagram

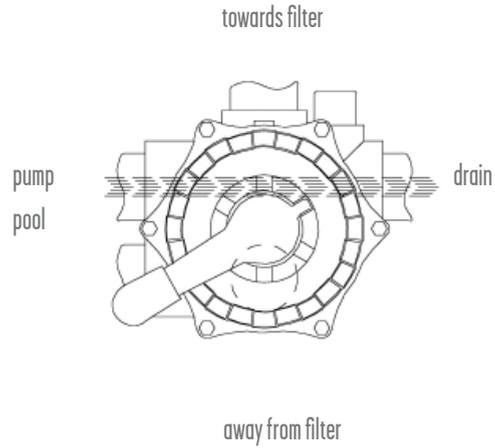
1. Filter

Filtering of the liquid (i.e. water)
pool - pump - valve (towards filter) - filter - valve (away from filter) - pool



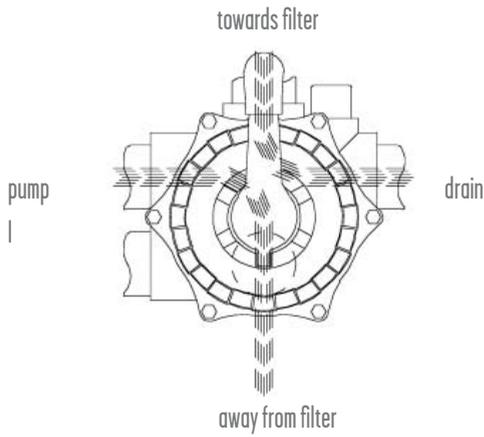
4. Waste

Draining of pools with pump pool - pump - valve - drain



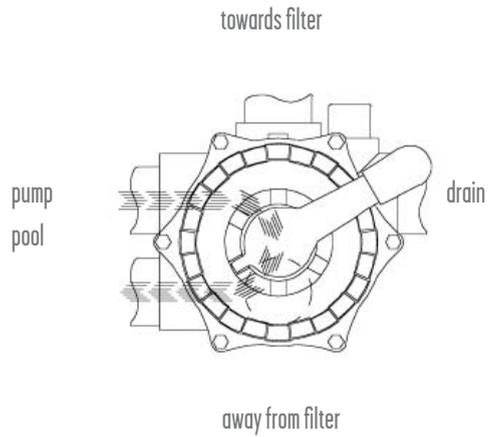
2. Backwash

Clean filter medium (i.e. sand) in counter flow (reverse flow direction in filter)
pool - pump - valve (away from filter) - filter - valve (towards filter) - drain



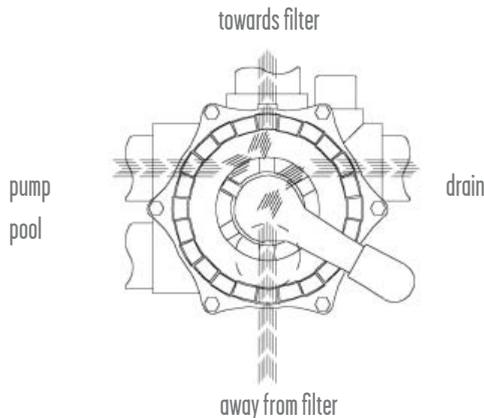
5. Circulate

Circulation of the liquid without filter (filter is by-passed)
pool - pump - valve - pool



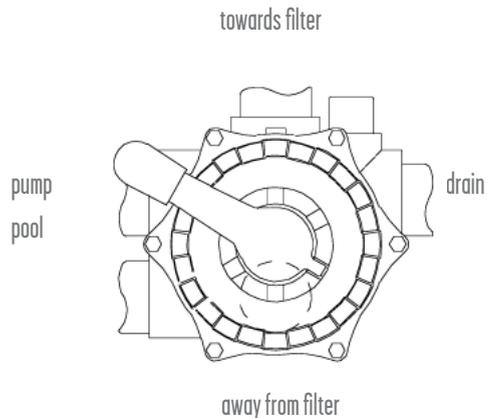
3. Rinse

Clean filter medium (i.e. sand) after backwashing
pool - pump - valve (towards filter) - filter - valve (away from filter) - drain



6. Closed

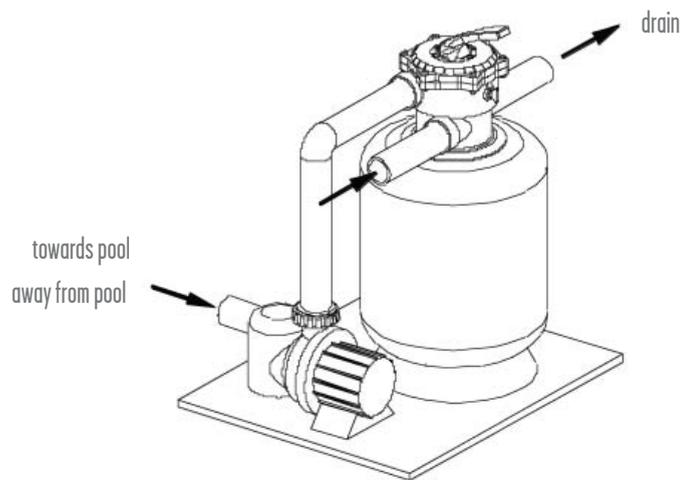
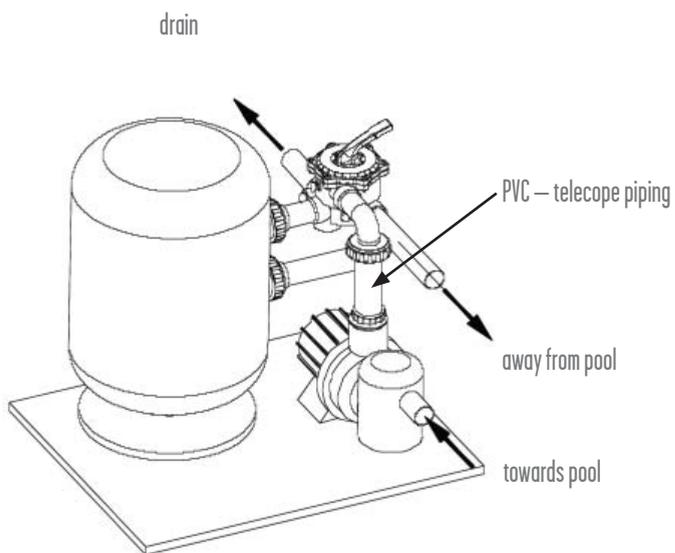
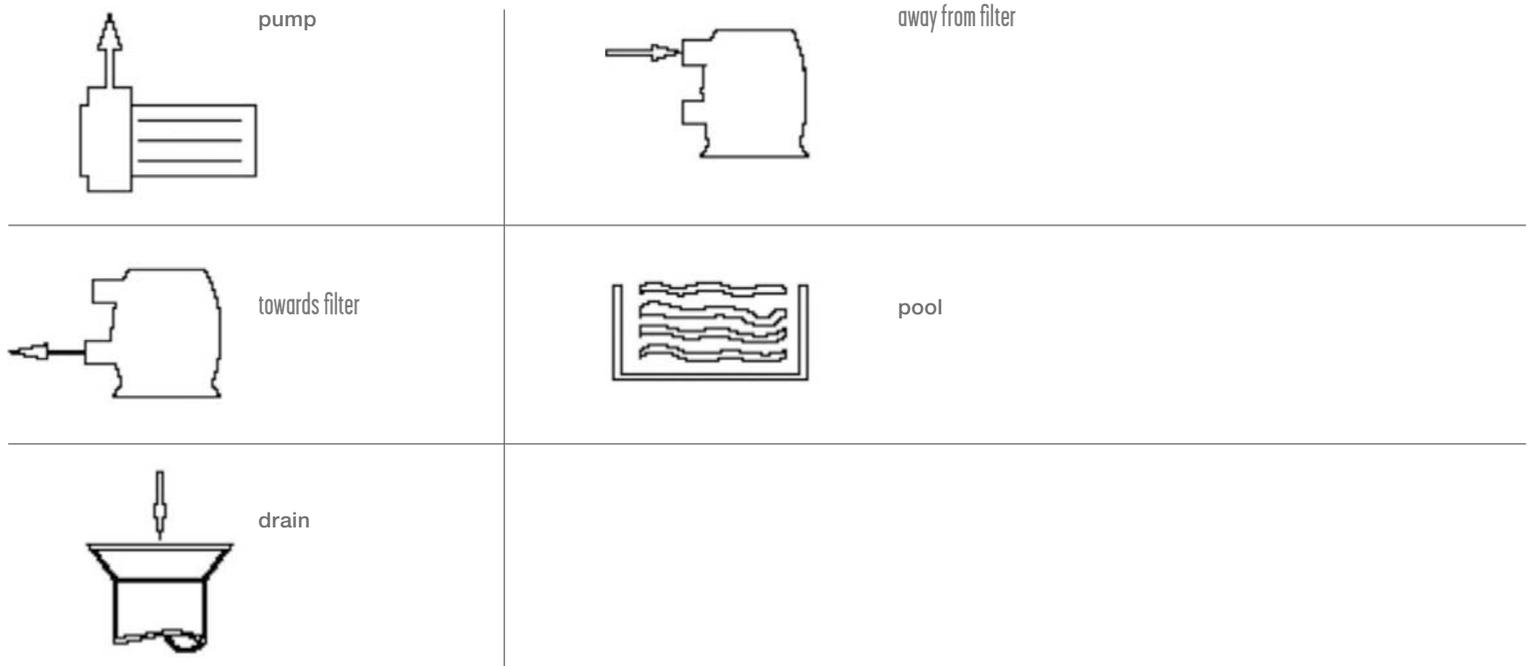
No circulation! - pump may not be used!
pool - pump - valve



Function- and installation diagram

Symbols at the valve body

These secure correct installation of the V6 backwash valve at the sand filter.



OCEAN V6-WAY VALVES

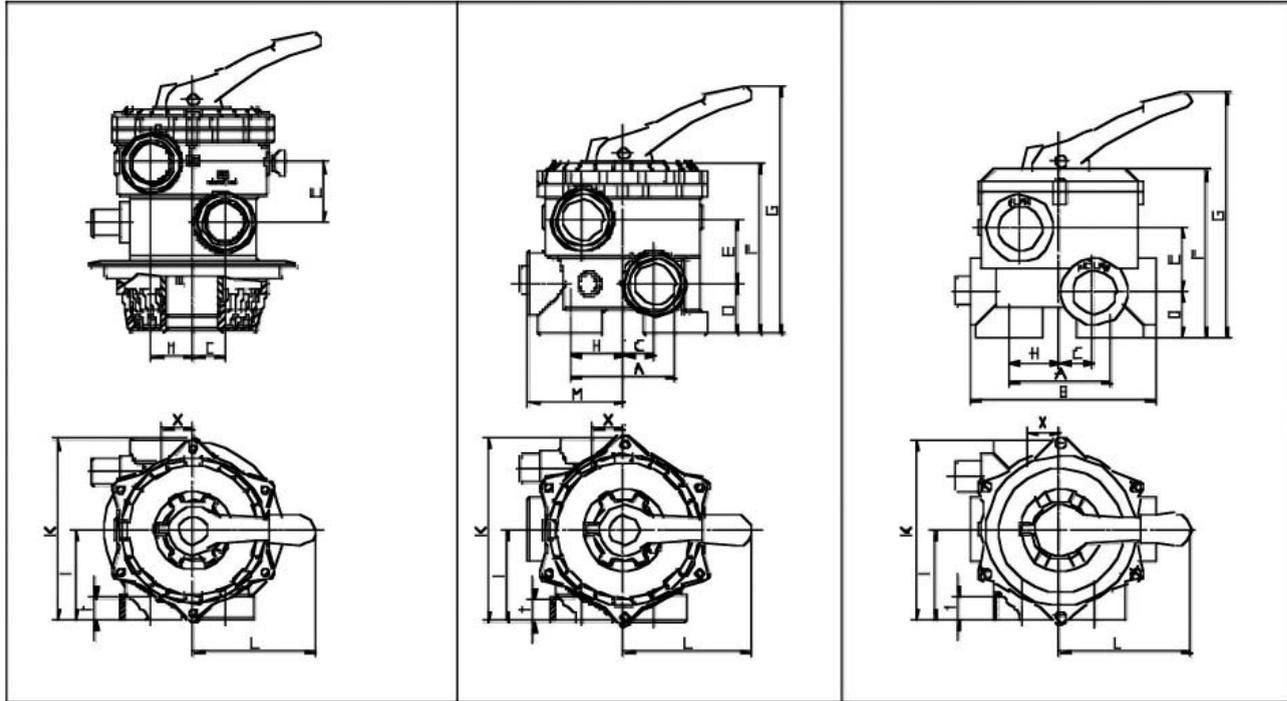
Main dimension

for 1 1/2", 2" and 3" Top and Side Mount

TM12-ND + TM22

SM10-ND + SM11-ND

SM20, SM21, SM 30, SM 31



Main dimension

for 1 1/2", 2" and 3" top and side mount

SIDE MOUNT

	SM10-ND	SM11-ND
	1 1/2"	
A	99,5	
B	/	
C	29,5	
D	48,0	
E	61,5	
F	136,5	
G max.	247,0	
H	39,0	
I	87,5	
K	175,0	
L	135,5	
M	90,0	
K	175,0	
X	30,5	
t	18,5	

	SM20	SM21	SM30	SM31
	2"		3"	
A	110,0		170,0	
B	227,0		329,0	
C	36,0		50,0	
D	60,0		85,5	
E	81,0		110,0	
F	210,0		304,0	
G max.	296,0		434,0	
H	36,0		50,0	
I	115,0		165,0	
K	230,0		330,0	
L	135,5		206,0	
M	/		/	
K	230,0		330,0	
X	36,0		50,0	
t	26,0		35,0	

TOP MOUNT

	TM12-ND	TM22
	1 1/2"	2"
A	/	/
B	/	/
C	31,5	36,0
D	/	43,0
E	59,5	81,0
F	/	280,0
G max.	/	292,0
H	41,5	36,0
I	90,0	114,5
K	180,0	229,0
L	135,5	135,5
M	/	/
K	180,0	229,0
X	30,5	36,0
t	18,5	26,0

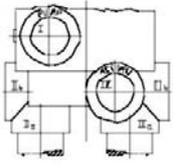
Packaging Unit:

single or loose, packed in cartons

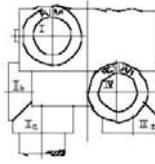
ND =New sealing system

Connection types

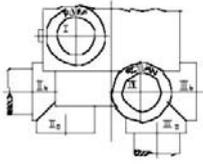
for 1 1/2", 2" and 3" Side Mount Valves



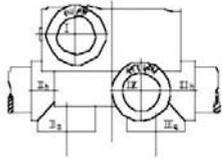
SM20-1
SM10-1



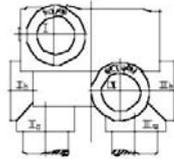
SM20-2
SM10-2



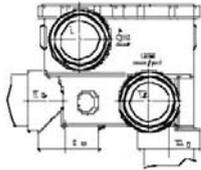
SM20-3
SM10-3



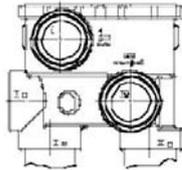
SM20-4
SM10-4



SM20-AC
SM10-AC



SM10-3-N



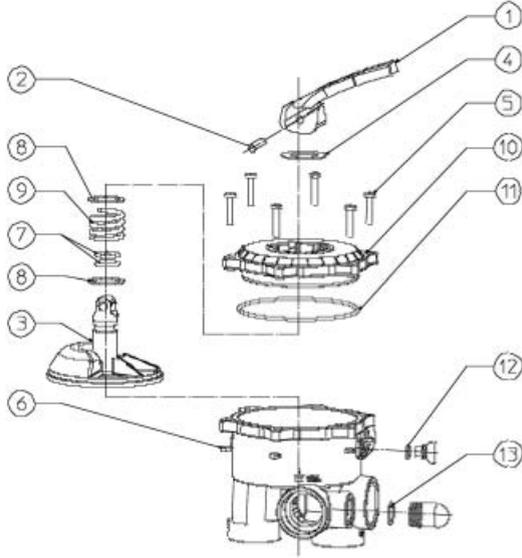
SM10-1-N

Special connection types: available on request

OCEAN V6-WAY VALVES

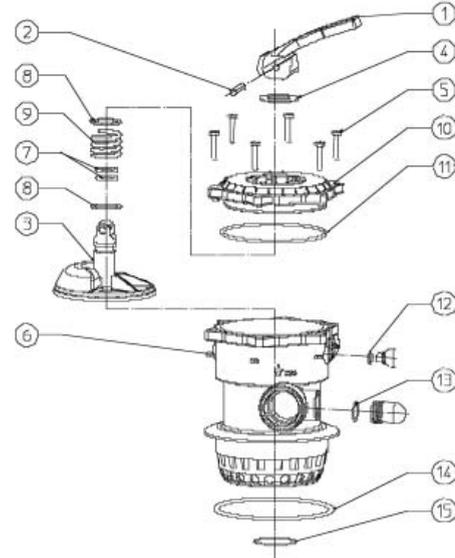
Spare Parts

SM10-ND + SM11-ND



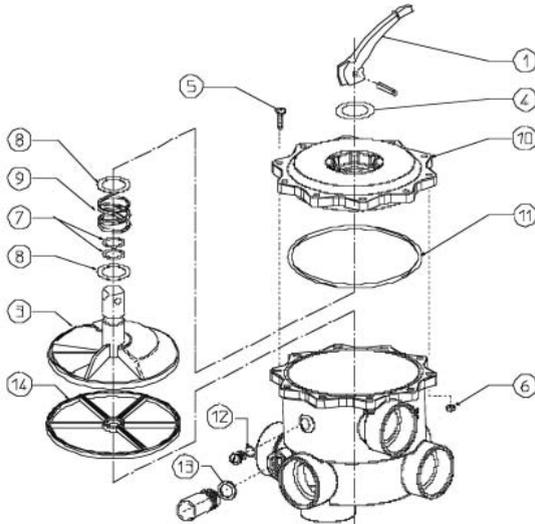
NO.	DESCRIPTION
1	handle
2	bolt
3	plate + spider gasket
4	washer
5	screw
6	hex-nut
10	lid
3, 7, 8, 11, 12, 13	sealing set
1, 2, 3, 4, 7, 8, 9, 10, 11	valve top complete

TM12-ND + TM13-ND



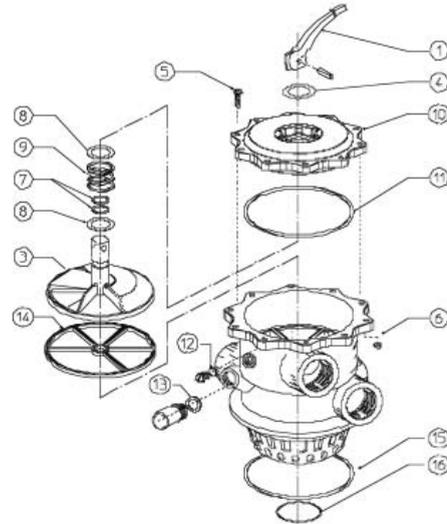
NO.	DESCRIPTION
1	handle
2	bolt
3	plate + spider gasket
4	washer
5	screw
6	hex-nut
10	lid
3, 7, 8, 11, 12, 13, 14, 15	sealing set
1, 2, 3, 4, 7, 8, 9, 10, 11	valve top complete

SM20 + SM21 + SM30-ND + SM31-ND



NO.	DESCRIPTION
1	handle
2	bolt
3	plate + spider gasket
4	washer
5	screw
6	hex-nut
10	lid
14	spider gasket
3, 7, 8, 11, 12, 13	sealing set
1, 2, 3, 4, 7, 8, 9, 10, 11	valve top complete

TM22



NO.	DESCRIPTION
1	handle
2	bolt
3	plate + spider gasket
4	washer
5	screw
6	hex-nut
10	lid
14	spider gasket
3, 7, 8, 11, 12, 13, 14, 15	sealing set
1, 2, 3, 4, 7, 8, 9, 10, 11	valve top complete

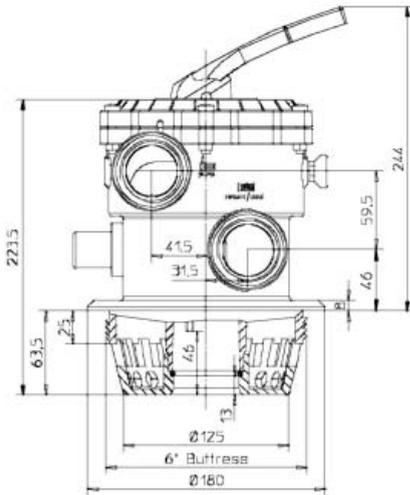
Packaging Unit:

single or loose, packed in cartons
 ND = New sealing system

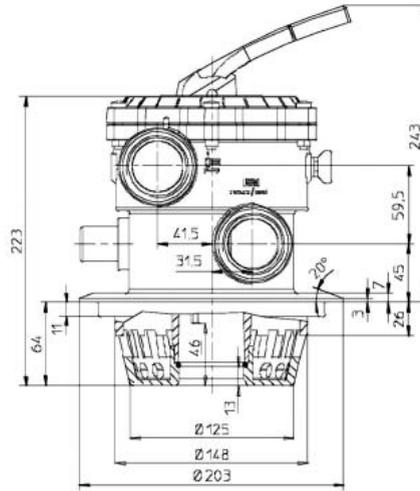
Top Mount

1 1/2" Flange-connection types with „NEW SEALING SYSTEM“

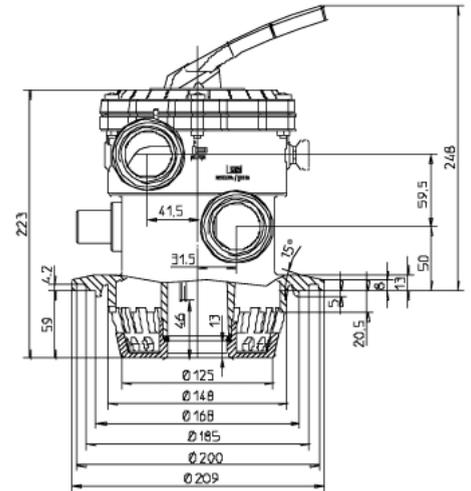
TM12-B (threaded 6" Buttress flange)



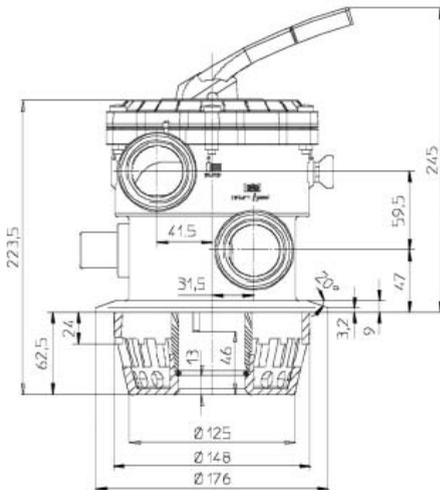
TM12-AS (clamping flange)



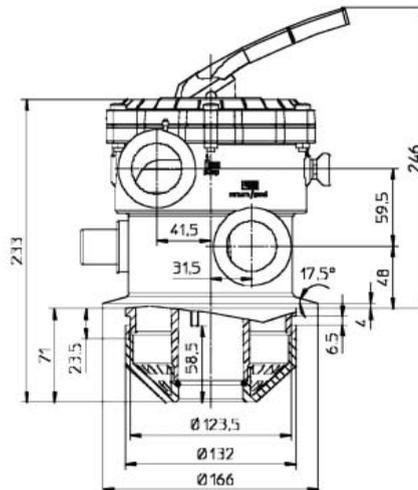
TM12-T (clamping flange)



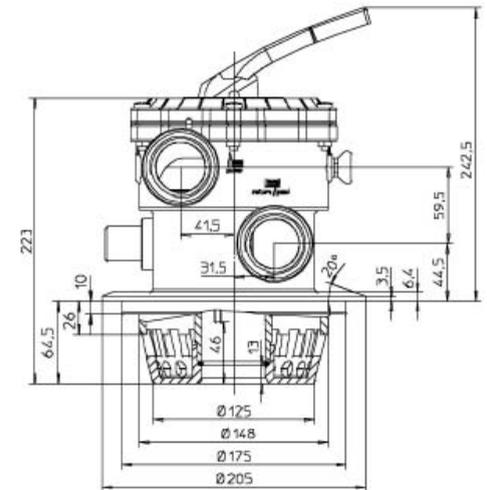
TM12-S (clamping flange)



TM12-SF (clamping flange)



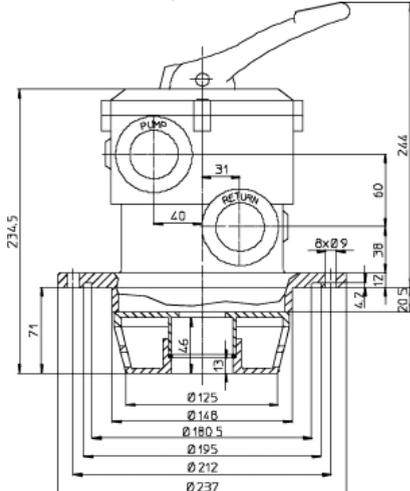
TM12-ZK (clamping flange)



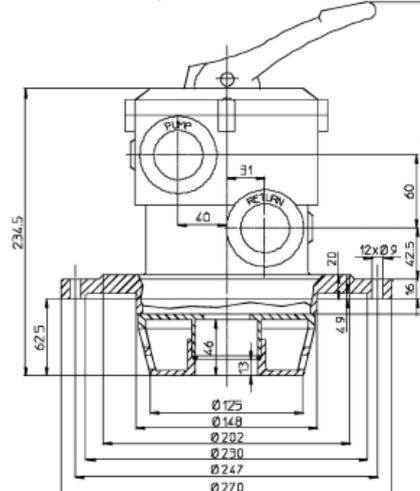
Top Mount

1 1/2" Flange-connection types with „OLD SEALING SYSTEM“

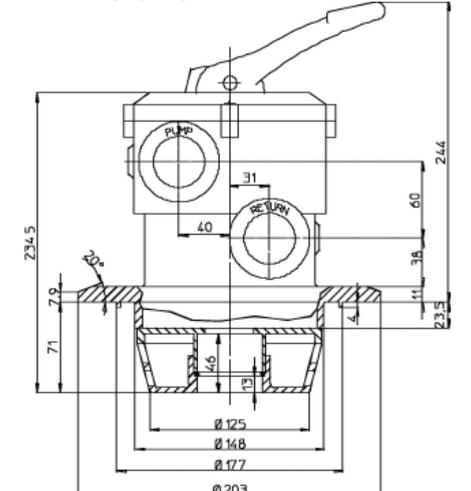
TM12-H (bolt down flange)



TM12-L (bolt down flange)



TM12-H8 (clamping flange)

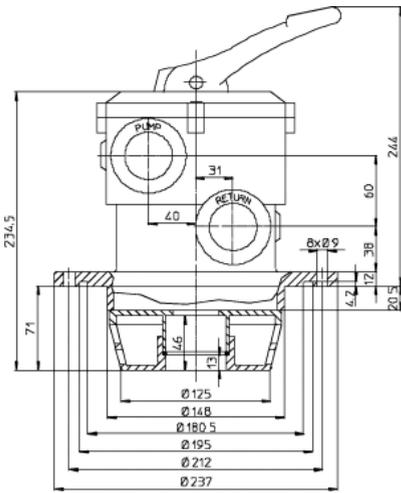


OCEAN V6-WAY VALVES

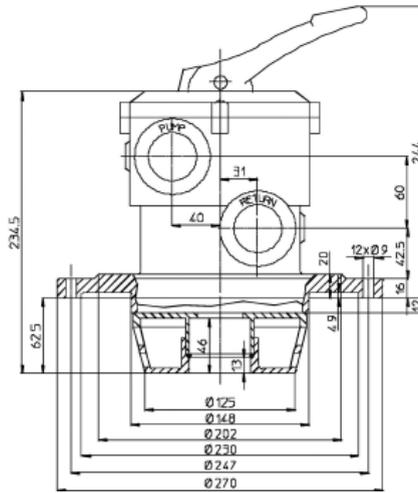
Top Mount

1 1/2" Flange-connection types with „OLD SEALING SYSTEM“

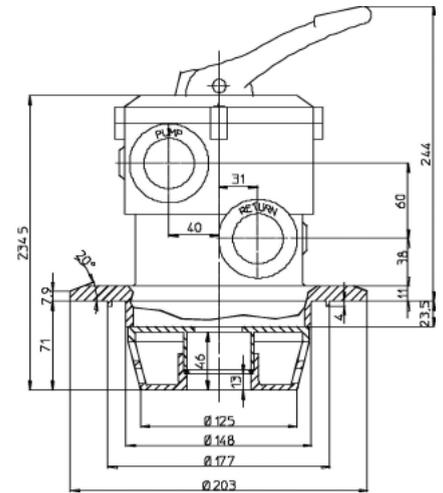
TM12-H (bolt down flange)



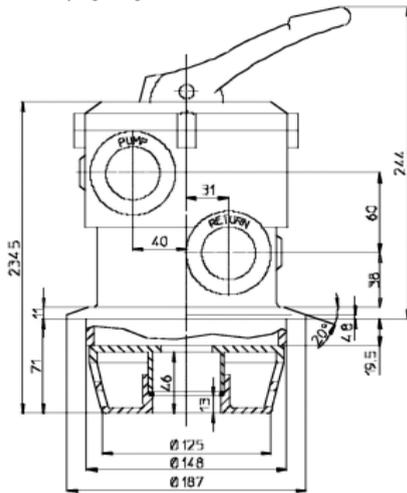
TM12-L (bolt down flange)



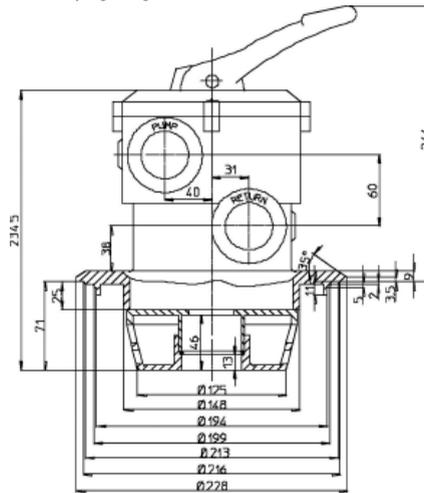
TM12-H8 (clamping flange)



TM12-SC (clamping flange)



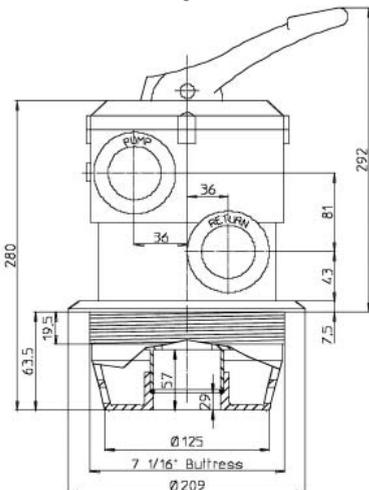
TM12-U (clamping flange)



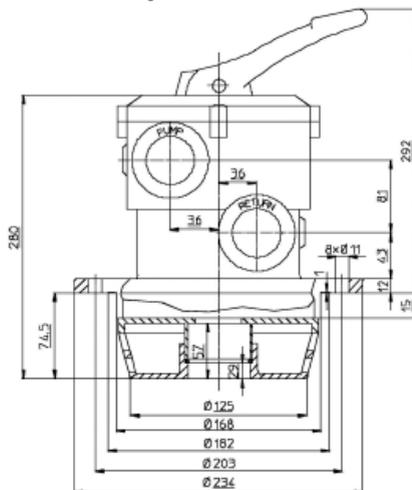
Top Mount

2" Flange-connection types with „OLD SEALING SYSTEM“

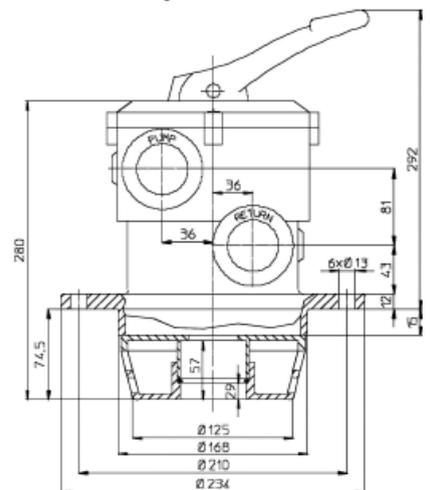
TM22-B (7/16" threaded flange)



TM22-E (bolt down flange)



TM22-G (bolt down flange)



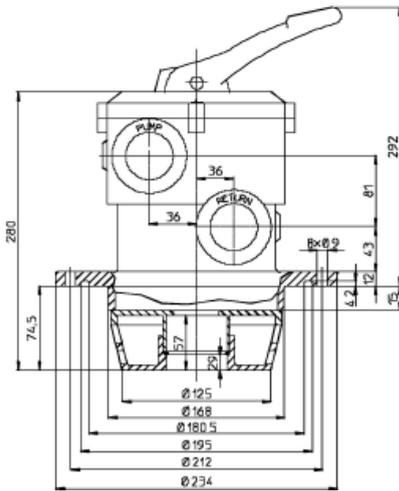
Packaging Unit:

single or loose, packed in cartons

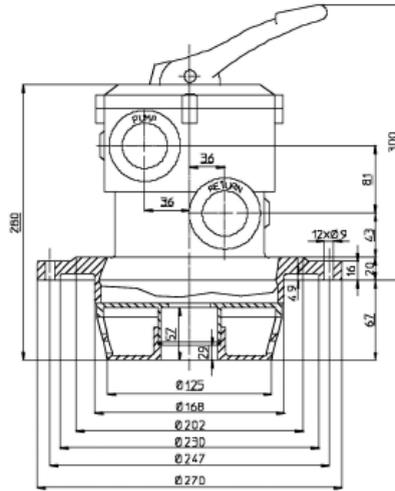
Top Mount

2" Flange-connection types with „OLD SEALING SYSTEM“

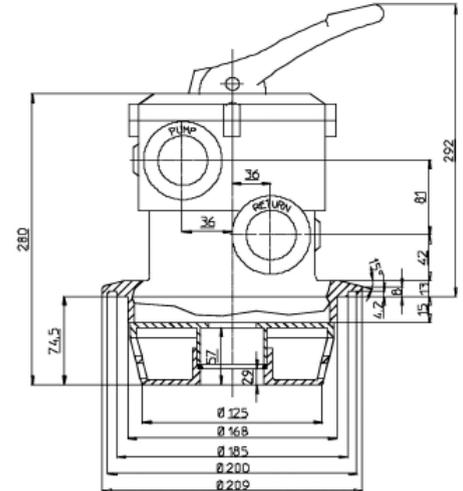
TM22-H (bolt down flange)



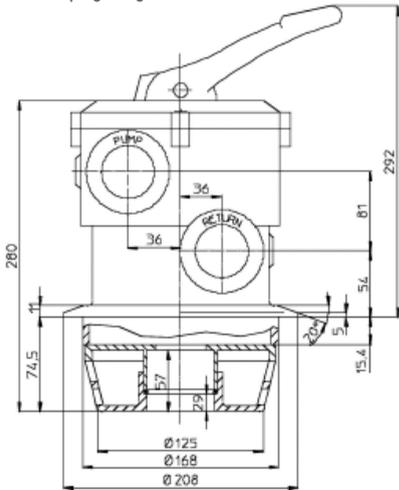
TM22-L (bolt down flange)



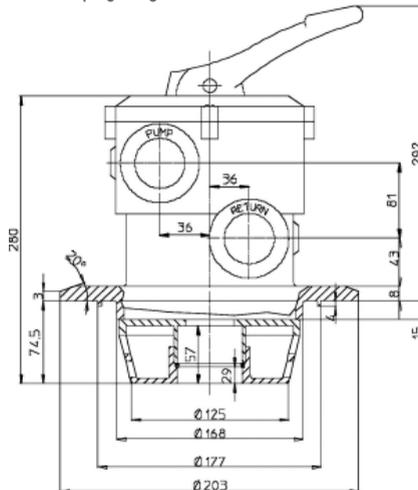
TM22-T (clamping flange)



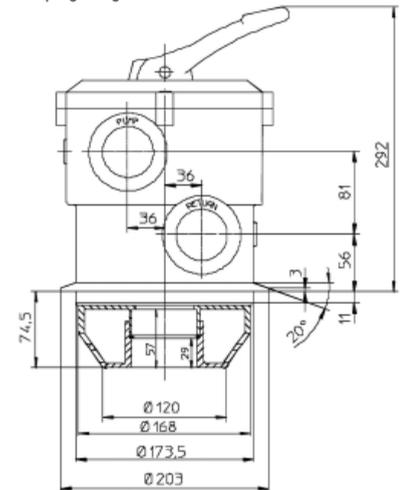
TM22-S (clamping flange)



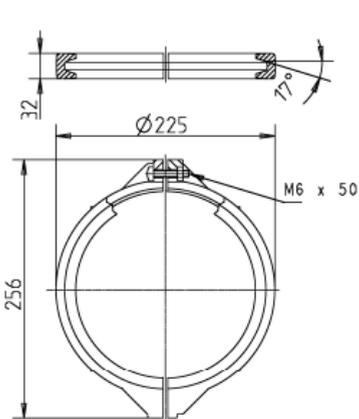
TM22-H8 (clamping flange)



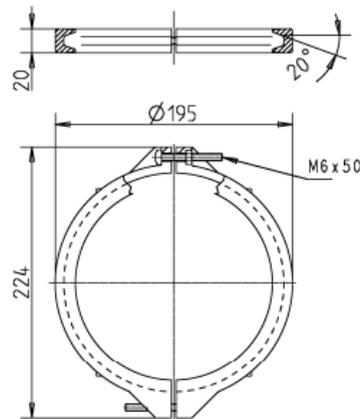
TM22-AS (clamping flange)



Clamping set ,T' incl. screws and nuts 50194, black



Clamping set ,S' incl. screws and nuts 170362, black



Packaging Unit:

single or loose, packed in cartons
 Laser engraving: "Praher Logo" - "Neutral" - "Customer Logo" on order
 quantities of 1.000 pcs.

OCEAN V4-WAY VALVE

1 1/2" OCEAN V4 WAY BACKWASH VALVE „SIDE MOUNT“



For more than 10 years the Ocean V4 backwash valve has been standing its ground within the global pool industry as the technological market leader in its league.

Because of its outstanding flow-characteristics and its very low pressure loss this V4 backwash valve can even be used for filter dimensions up to 600 in Side Mount version and up to 750 in Top Mount version.

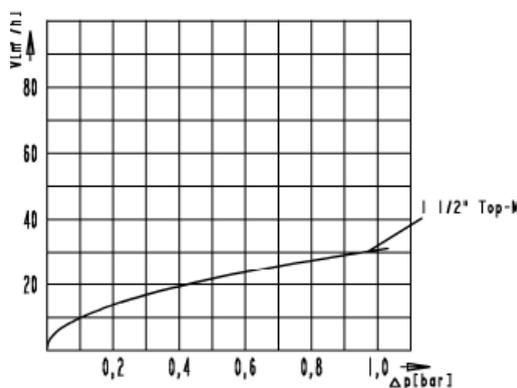
This is unique for a valve within this category, but V4 backwash valve is also characterised by a variety of advantages, which distinguish it from other valves types:

- **Extremely low noise development:** (optimal for filters that are kept outdoors – eg. steel wall pools)
- **For the change-over of position „filter“ to „backwash“ the pump does not have to be switched off extra** for his purpose, which also is a big handling advantage.
- **Smaller filter**, like 300 & 400 can be equipped with significantly smaller pumps due to the optimal flowrate and pressure loss characteristics. This reduces the costs for the overall filter system.
- **User friendly:** the unique sealing system provides an above average durability of the valve.
- **UV-resistant:** the raw materials used for production are UV-stabilised which also makes the valves more resistant and guarantees a longer durability in "outdoors" applications too.
- **Available for all main Top and Side Mount filter types** with extensive „sight glass-fittings, piping elements and screw connections, which can be adapted to your special needs.
- **Available in standard colours** white and black, special colours available on request.
- **Competitive price level**

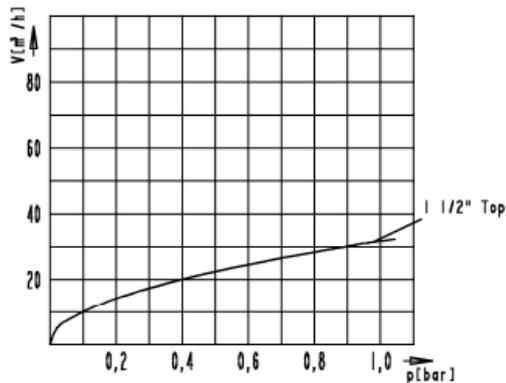
MATERIAL	PRESSURE/20°	DIMENSIONS	RECOMMENDED FLOWRATE FILTER	BODY CONNECTIONS	COLOUR
Sealings					
PVC	2,0 bar	1 1/2"	17 m ³ /h	BSP/NPT female thread DINmm / ASTM imperial solvent connections other colours on request	white, black other colours on request

Pressure Loss Diagram V4 TM

Filter



Backwash



Packaging Unit:

single or loose, packed in cartons

Laser engraving: "Praher Logo" - "Neutral" - "Customer Logo" on order quantities of 1.000 pcs.

1 1/2" OCEAN V4 WAY BACKWASH VALVE „TOP MOUNT“

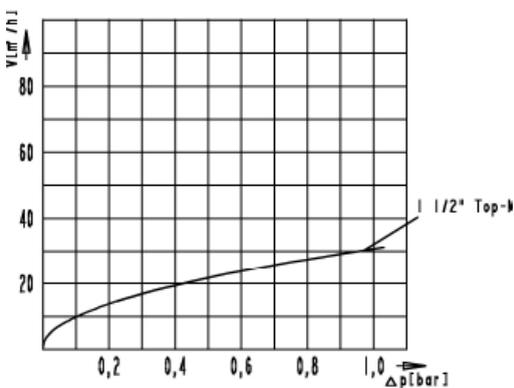


MATERIAL	PRESSURE/20°	DIMENSIONS	RECOMMENDED FLOWRATE "FILTER"	BODY CONNECTIONS	COLOUR
Sealings					
PVC	2,0 bar	1 1/2"	17 m ³ /h	BSP/NPT female thread DIN mm /ASTM imperial	white, black other colours on request

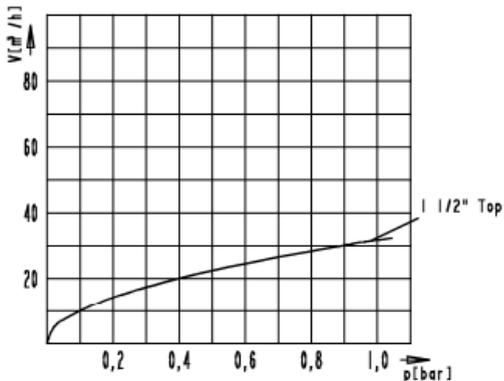
AVAILABLE FLANGE TYPES: 6"BS&6" BUTTRESS thread, clamping flange flange (for exact dimension kindly see page 59 - 61 of this catalogue)
 BASKET CONNECTIONS: d 50 mm or ASTM imperial 1 1/2"

Pressure Loss Diagram V4 TM

Filter



Backwash



Packaging Unit:

single or loose, packed in cartons
 Laser engraving: "Praher Logo" - "Neutral" - "Customer Logo" on order
 quantities of 1.000 pcs.

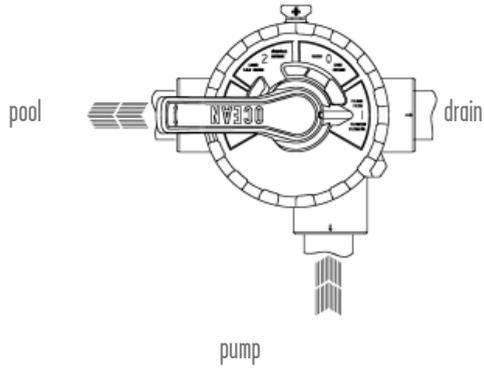
OCEAN V4-WAY VALVES

Ocean V4 available positions

1. Filter

Filtering of the liquid (i.e. water)

pool - pump - valve (towards filter) - filter - valve (away from filter) - pool



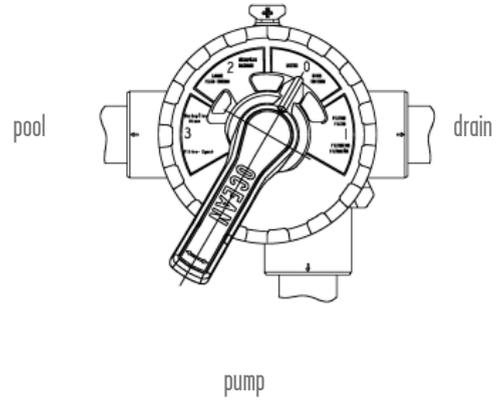
4. Winter

For shutting down the system at the end of the season

- all connections open

- all seals are relieved

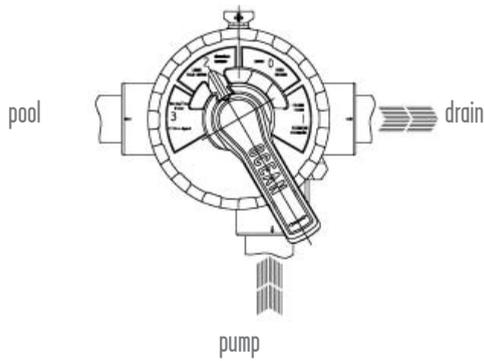
- raises the durability of the gaskets



2. Backwash

Clean filter medium (i.e. sand) in counter flow (reverse flow direction in filter)

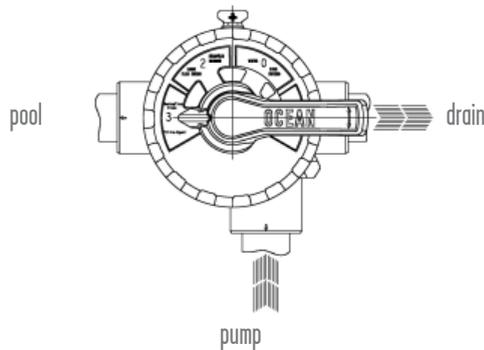
pool - pump - valve (away from filter) - filter - valve (towards filter) - drain



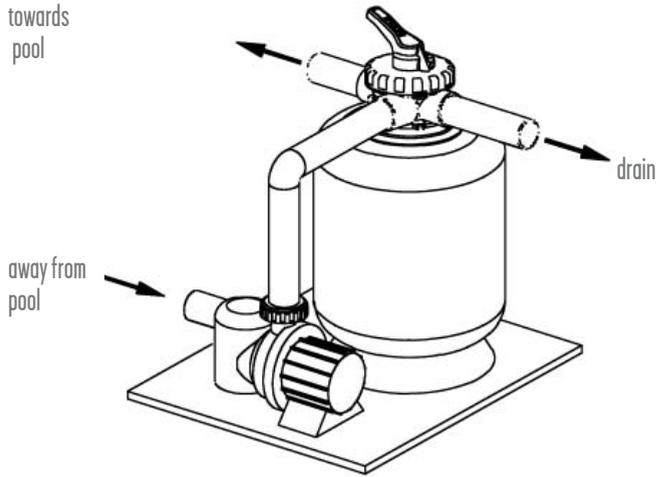
3. Rinse

Clean filter medium (i.e. sand) after backwashing.

pool - pump - valve (towards filter) - filter - valve (away from filter) - drain

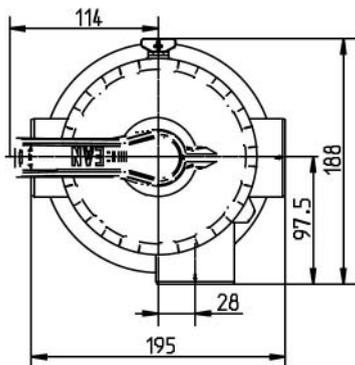
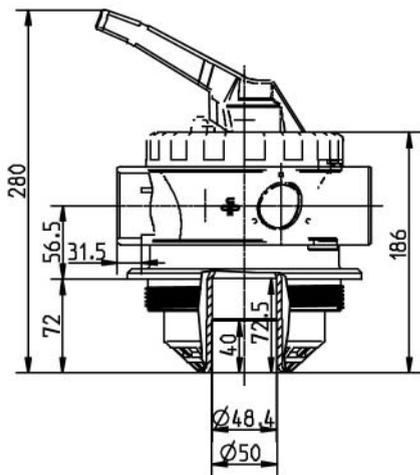


Function- and installation diagram

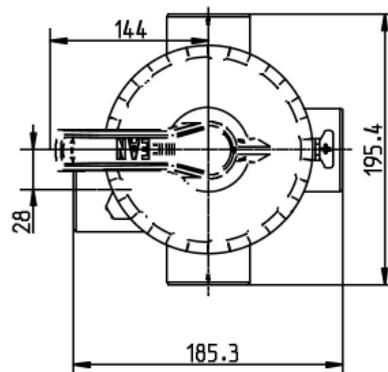
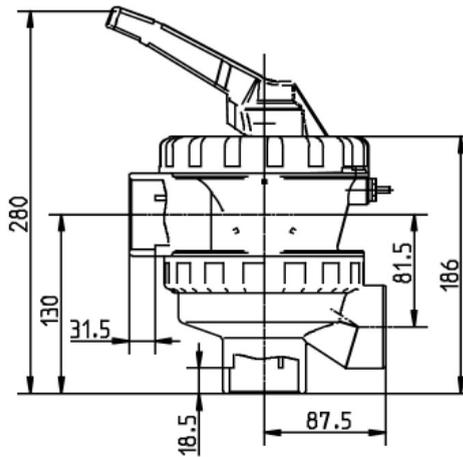


Main Dimensions for 1 1/2" Top und Side Mount 4 Way Valves

TM15

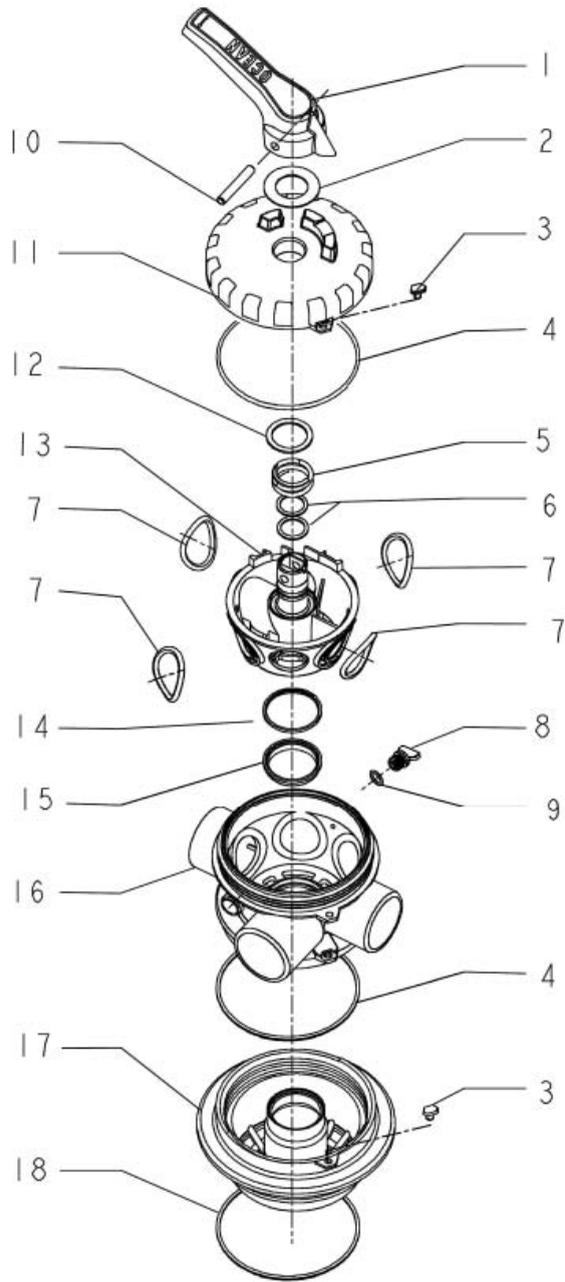


SM15



OCEAN V4-WAY VALVES

Spare Parts TM14 and SM15

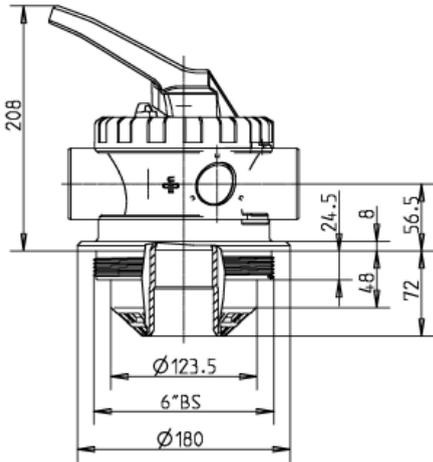


NO.	DESCRIPTION
1, 2, 5, 6, 7, 10, 11, 12, 13, 14	valve top complete
4, 6, 7, 14	sealing set
1	handle
2	bolt

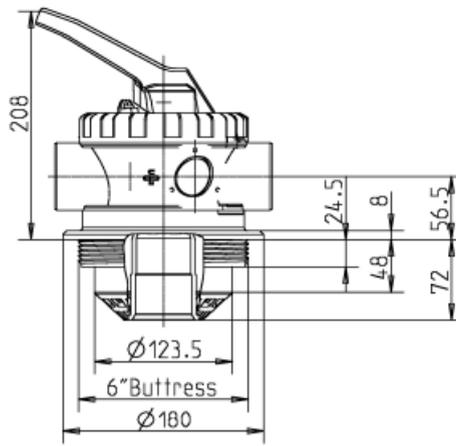
Flange-connection types

Top Mount 1 1/2"

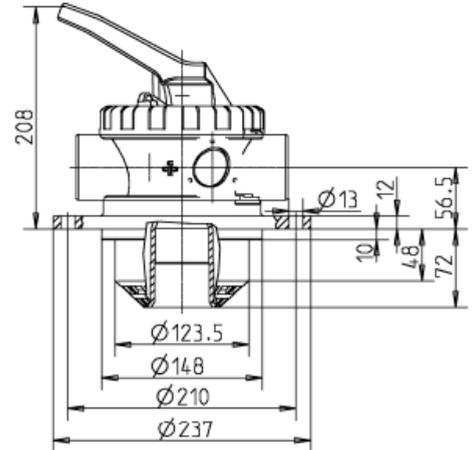
TM15-A (threaded 6" british standard)



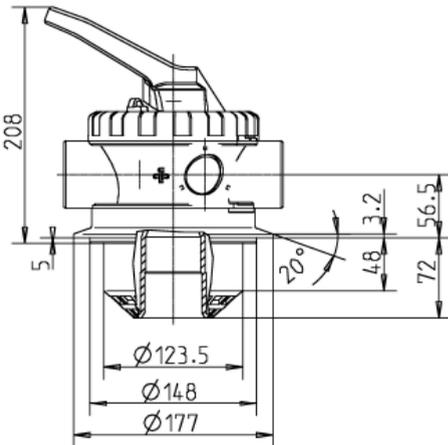
TM15-B (threaded 6" buttress)



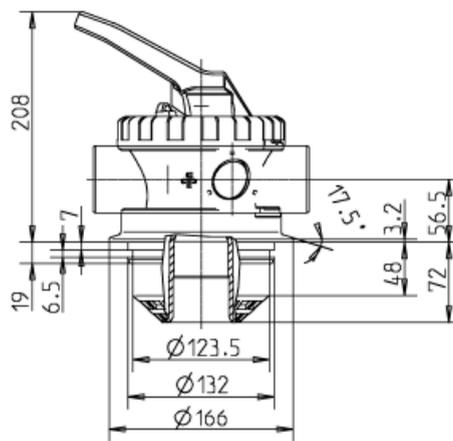
TM15-G (bolt down flange)



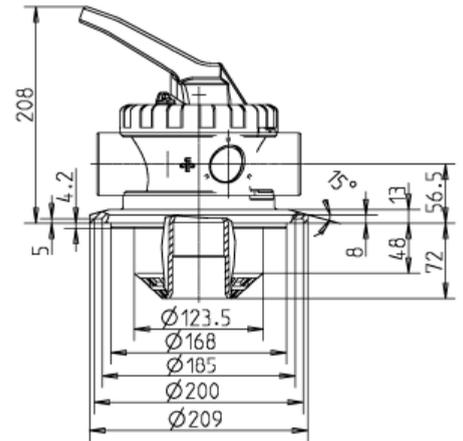
TM15-S (clamping flange)



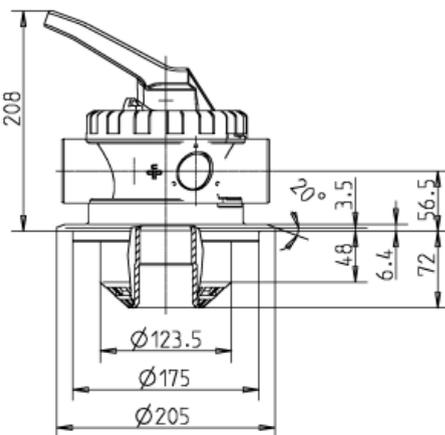
TM15-SF (clamping flange)



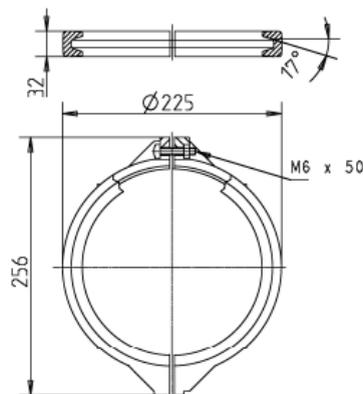
TM15-T (clamping flange)



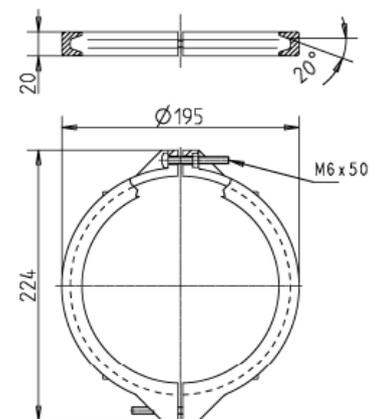
TM15-ZK (clamping flange)



clamping set, T incl. screws, nuts, black 50194



clamping set, T incl. screws, nuts, black 170362



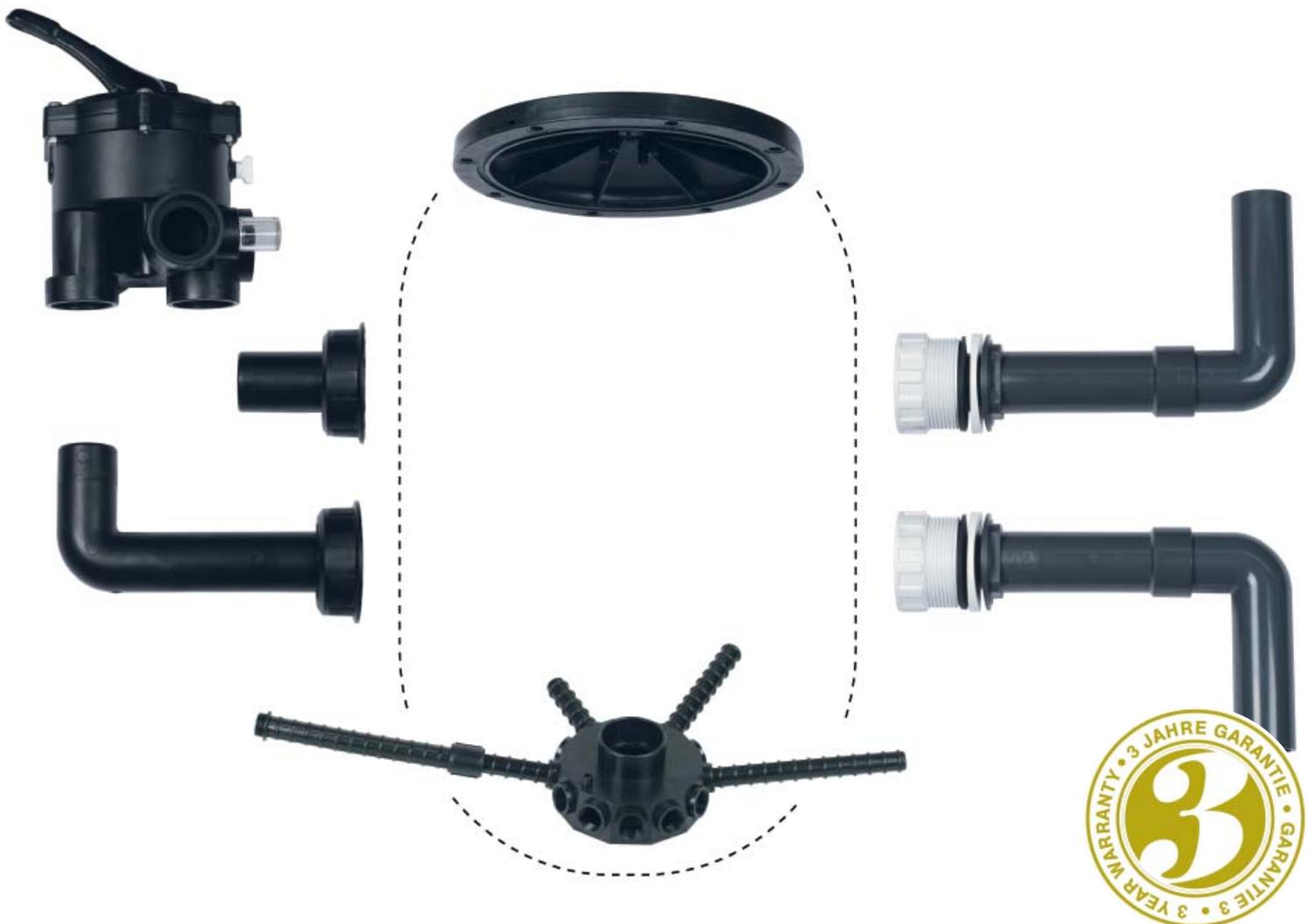
OCEAN OEM FILTER COMPONENTS

functional – robust – precise ... legitimate expectations in regards to zeitgeisty complete solutions for modern and convenient pool purification. Both the original OCEAN (OEM) V4 & V6 backwash valves, as well as the corresponding (OEM-) filter components 'made by Praher-Austria', satisfy the highest requirements.

An exceptionally large product range permit a wide choice of premium OCEAN V4 & V6 backwash valves (manual and automatic), filter inside- and outside piping, filter tank adapters, distributors as well as the time-tested piping elements from the backwash valve to the pump. These can be implemented either on a standard basis or also according to individual customers' needs.

With the aid of our own tool- and mould shop, an experienced injection moulding dept. and a competent engineering office every (filter-) project can be supported professionally. Whereas additionally there is the advantage, that it is possible to fall back on already existing filter components made by Praher, so that only minor investments in new moulds and tools have to be made.

More information: info@peraqua.com



Packaging Unit:
single or loose, packed in cartons

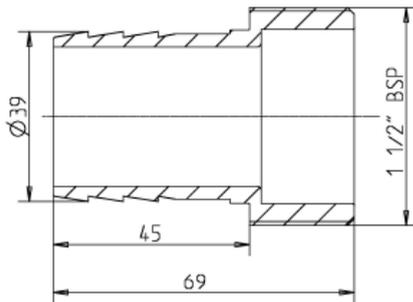
for V6 & V4 Backwash Valves

Peraqua can also supply all the above mentioned V4 or V6 backwash valve with FIX GLUED VALVE PIPING SETS, ADAPTER UNIONS AND FILTER CONNECTION FITTINGS, as we also in this field dispose of many years of experience.

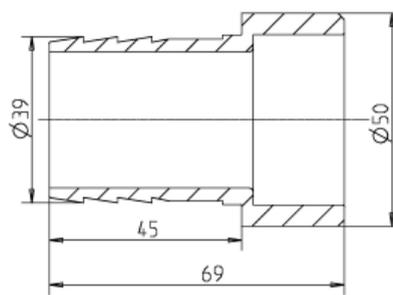
The following pages give you an in-depth overview about the wide product range in this field:

1. Hose Nozzles for V6 and V4 Backwash Valve

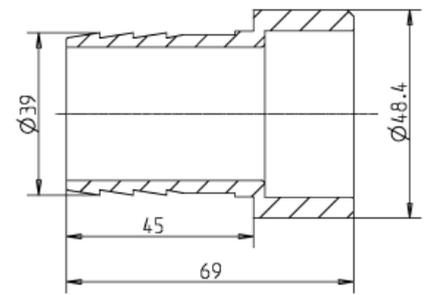
150217- 1 1/2" BSP Thread white



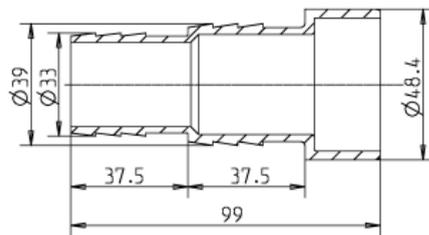
150218- Slip DINmm



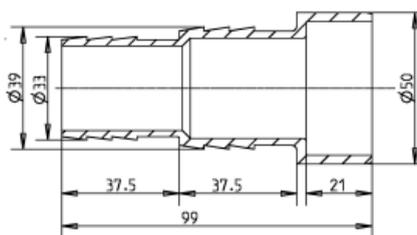
150229- Slip ASTM inch



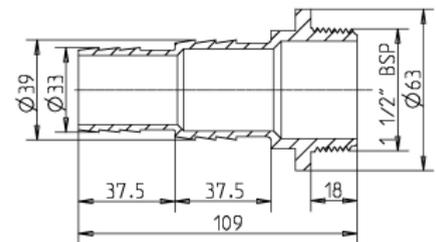
150259- Slip



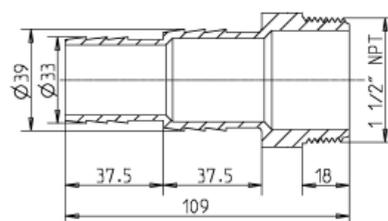
150258- Slip



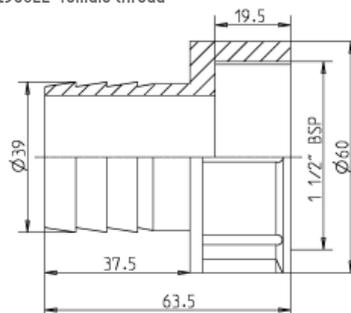
150318- 1 1/2" BSP Thread



150317- 1 1/2" NPT Thread



150322- female thread

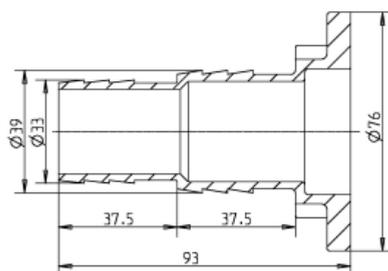


OCEAN INSTALLATION ACCESSORIES

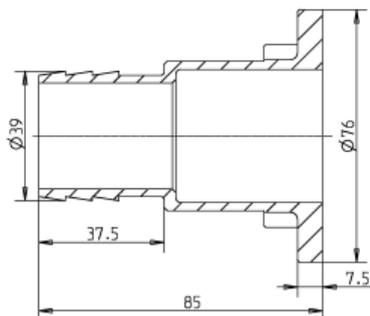
2. Hose Nozzle

Hose Nozzle for PVC ball valve and cone check valve S6

150133- d32/d39 / DN40



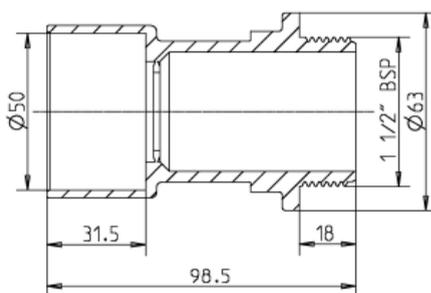
150131- d39 / DN40



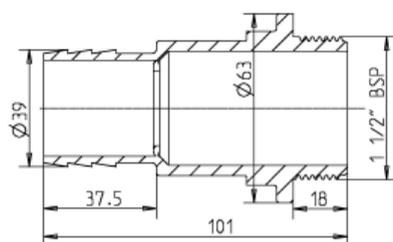
3. Sight glasses:

Ocean V4 backwash valve SM & TM

150315- 1 1/2" BSP thread (sight glass)



150316- 1 1/2" BSP thread (sight glass)



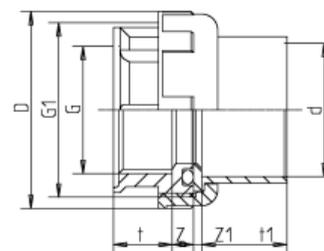
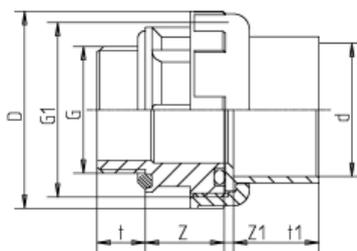
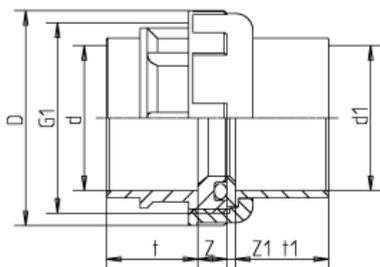
4. Adapter Unions 1 1/2", 2":

Ocean V4 & V6 backwash valve

Solvent cement socket

* male thread with sealing o-ring-solvent cement socket

female thread – solvent cement socket



d - d1	t	t1	Z	Z1	D	G1
50-50	31,5	31,5	10,0	3,0	74,0	2 1/4"
48,4-48,4	31,5	31,5	10,0	3,0	74,0	2 1/4"
63-50	38,5	31,5	6,5	3,0	92,0	2 3/4"
63-63	38,5	38,5	6,5	3,0	92,0	2 3/4"
60,3-60,3	38,5	38,5	6,5	3,0	92,0	2 3/4"

d - G	t	t1	Z	Z1	D	G1
50-11/2" BSP	18,0	31,5	30,0	3,0	74,0	2 1/4"
48,4-11/2" NPT	18,0	31,5	30,0	3,0	74,0	2 1/4"
50-2" BSP	23,5	31,5	36,0	3,0	92,0	2 3/4"
63-2" BSP	23,5	31,5	36,0	3,0	92,0	2 3/4"
60,3-2" NPT	23,5	31,5	36,0	3,0	92,0	2 3/4"

d - G	t	t1	Z	Z1	D	G1
50-11/2" BSP	22,0	31,5	8,0	3,0	74,0	2 1/4"
48,4-11/2" NPT	22,0	31,5	8,0	3,0	74,0	2 1/4"
50-2" BSP	27,5	31,5	8,5	3,0	92,0	2 3/4"
63-2" BSP	27,5	38,5	8,5	3,0	92,0	2 3/4"
60,3-2" NPT	27,5	38,5	8,5	3,0	92,0	2 3/4"

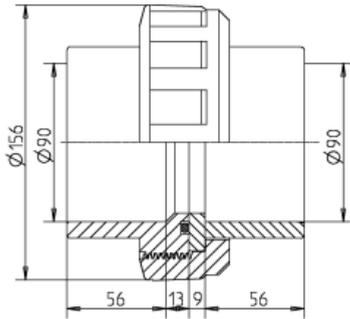
INSTALLATION INSTRUCTION:

* We recommend the use of 4 x Ocean unions per 1 1/2", 2" Backwash Valve for the fast and trouble free installation. There is no need of PTFE tab because of our add. sealing O-Ring

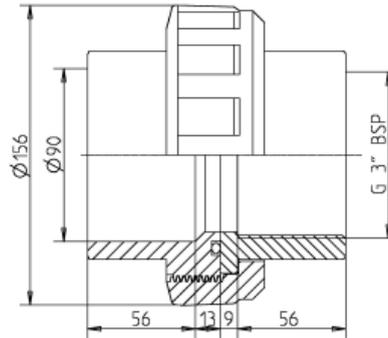
Packaging Unit: loose packed in cartons

4. Adapter union 3" for V6 backwash valve

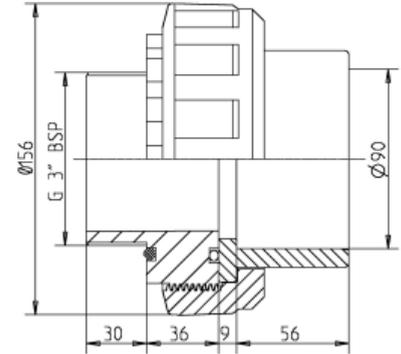
170082 union adapter
solvent cement d90 - solvent cement d90



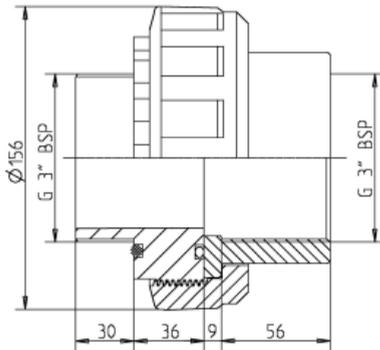
170086 union adapter
solvent cement d90 - female thread 3"



* 170085 union adapter
male thread 3" - solvent cement d90

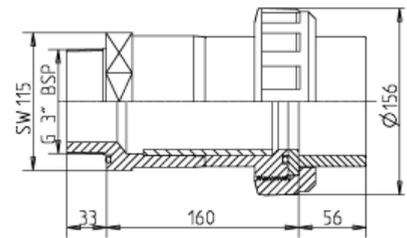


170087 union adapter
male thread 3" - female thread 3"



170098 union adapter
female thread 3" - female thread 3"

* 170185 union adapter extra long
male thread 3" - solvent cement d90



INSTALLATION INSTRUCTION:

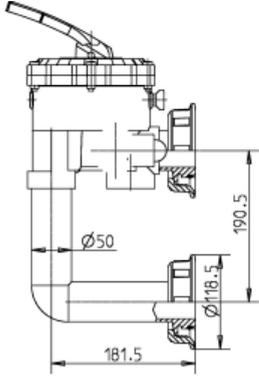
* We recommend the use of 3 x 170085, 1 x 170185 for a fast and trouble free installation of our 3" Backwash Valves.
There is no need of PTFE tab because of our add. sealing O-Ring

OCEAN V6 BACKWASH VALVE 1 1/2", 2" with valve piping set

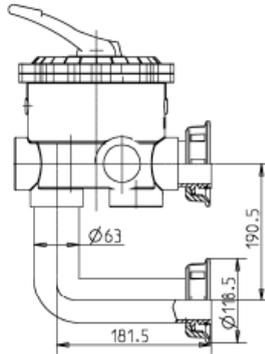
Ocean V6 Backwash Valve 1 1/2", 2" with valve piping set

Type PENT, AS, ES, HAY

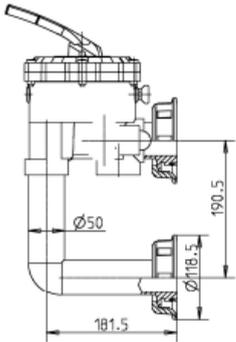
Valve + pipe system SM10-3 PENT 1 1/2" white
130764 complete



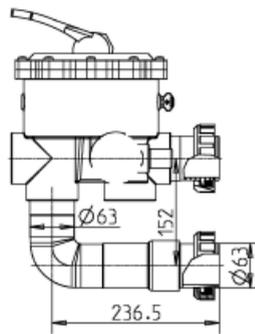
Valve + pipe system SM20-3 PENT 2" white
130206 complete



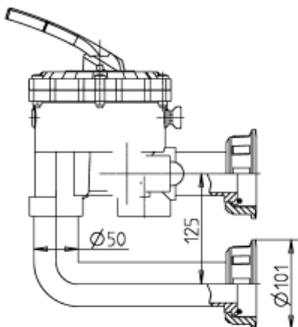
Valve + pipe system SM10-3 HAY 1 1/2" black
130820 + 170261



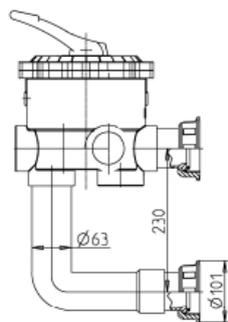
Valve + pipe system SM20-3 HAY 2" black
130737 + 170208



Valve + pipe system SM10-3 AS, ES 1 1/2" black
130820 + 170353



Valve + pipe system SM20-3 AS, ES 2" black
130737 + 170855

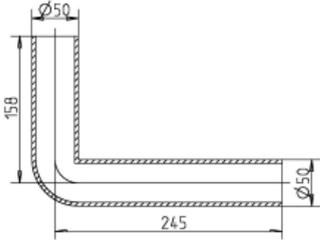


OCEAN INSTALLATION ACCESSORIES

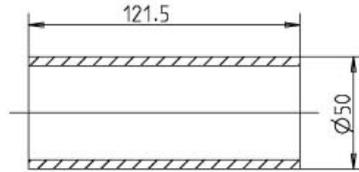
Ocean V6 1 1/2", 2" Valve piping set

Type STANDARD

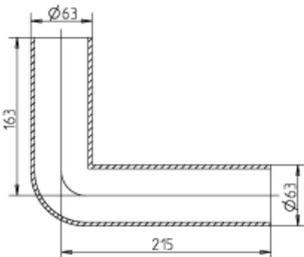
Elbow d50, 245x158mm
 150064 white
 150063 grey
 150067 black



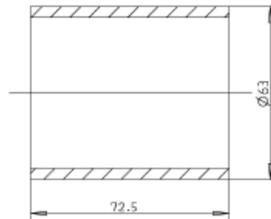
Connection piece d50, 121.5mm
 150108 white
 150126 grey
 150113 black



Elbow d63, 215 x 163mm
 150231 white
 150252 grey
 150211 black



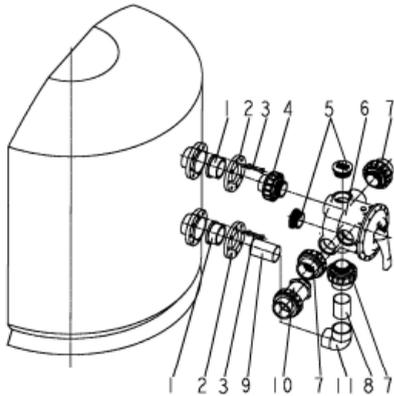
Connection piece d63, 72.5 mm
 150232 white
 150251 grey
 150212 black



Ocean V6 3", 4" Valve piping set (Manual)

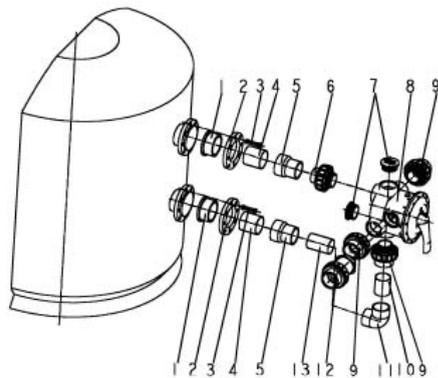
Type STANDARD

Valve + Piping 3"



NO.	DESCRIPTION	PART NO.
1)	2 pcs flange adapter, grooved, 3"	part no.: 71099
2)	2 pcs flange d90	part no.: 70146
3)	16 pcs screws M16x85 for flange	
4)	1 pc union short, 3", grey with spigot Spigot is turned accordingly	part no.: 100670
5)	2 pcs. plug, ASA nature, with O-ring	part no.: 140024
5)	2 pcs plug, ABS white with O-ring	part no.: 140063
6)	1 pc valve 3", manual, ABS thread SM 30-3	part no.: 130192
6)	1 pc valve 3", manual, GFK thread SM 31-AO with 2 plugs (here part no. 140024 would 2x cease to apply)	part no.: 130142
7)	3 pcs union EPDM, short, grey, solvent – male thread	part no.: 170085
8)	1 pc pipe, DA=90, 104mm long, PN6	part no.: 71021
9)	1 pc pipe, DA=90, 138mm long, PN6	part no.: 71021
10)	1 pc union, EPDM, excess length, solvent – male thread	part no.: 170185
11)	Elbow 90°	part no.: 73763

Valve + Piping 4"

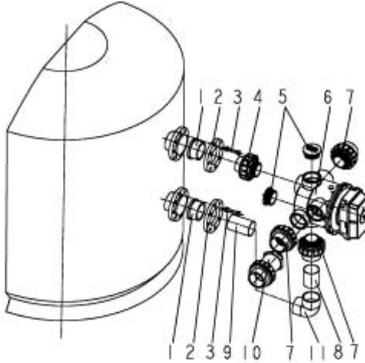


NO.	DESCRIPTION	PART NO.
1)	2 pcs flange adapter, grooved, 4"	part no.: 71100
2)	2 pcs flange d110	part no.: 70166
3)	16 pcs screw M16x85 for flange	
4)	2 pcs pipe, DA=110, 107mm long, PN6	part no.: 71022
5)	2 pcs reductions long, 125-110-90	part no.: 70815
6)	1 pc union, short, 3", grey with spigot Spigot is turned accordingly.	part no.: 100670
7)	2 pcs plug, ASA nature, with O-ring	part no.: 100670
7)	2 pcs plug, ABS white, with O-ring	part no.: 140024
8)	1 pcs valve 3", manual, ABS thread, SM30-3	part no.: 140063
8)	1 pc valve 3", manual, GFK thread SM 31-AO with 2 plugs (here part no. 140024 would 2x cease to apply)	part no.: 130192
9)	3 pcs union, EPDM, short, grey, solvent – male thread	part no.: 130142
10)	1 pcs pipe, DA=90, 104mm long, PN6	part no.: 170085
11)	1 pc elbow 90°	part no.: 71021
12)	1 pc union, EPDM, excess length, solvent – male thread	part no.: 73763
13)	1 pc pipe, DA=90, 138mm, PN6	part no.: 170185
		part no.: 71021

Special dimensions + tank adapter deliverable on request.

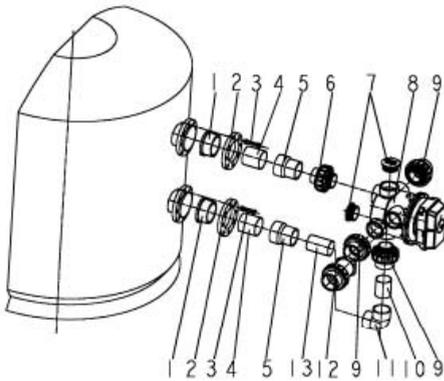
Ocean V6 3", 4" Piping Sets (Aquastar - Automatic) Type STANDARD

Valve · Piping 3"



NO.	DESCRIPTION	PART NO.
1)	2 pcs flange adapter, grooved, 3"	part no.: 71099
2)	2 pcs flange d90	part no.: 70146
3)	16 pcs screw M16x85 for flange	
4)	1 pc union, short, 3" grey, with spigot Spigot is turned accordingly	part no.: 100670
5)	2 pcs plug, ASA nature, with O-ring	part no.: 140024
5)	2 pcs plug, ABS white, with O-ring	part no.: 140063
6)	1 pc. valve 3" with Aquastar E-2000/F2	part no.: 130847
6)	1 pc. valve 3" with Aquastar E-3000/F2	part no.: 130848
6)	1 pc. valve 3" with Aquastar E-6000/F2	part no.: 130849
7)	3 pcs union, EPDM short, grey, solvent – male thread	part no.: 170085
8)	1 pc pipe, DA=90, 104 mm long, PN6	part no.: 71021
9)	1 pc pipe, DA=90, 104 mm long, PN6	part no.: 71021
10)	1 pc union, EPDM, excess length, spigot – male thread	part no.: 170185
11)	Elbow 90°	part no.: 73763

Valve · Piping 4"



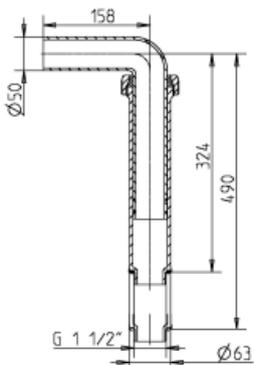
NO.	DESCRIPTION	PART NO.
1)	2 pcs flange adapter, grooved, 4"	part no.: 71100
2)	2 pcs flange d110	part no.: 70166
3)	16 pcs screw M16x85 for flange	
4)	2 pcs pipe, DA=110, 107mm long, PN6	part no.: 71022
5)	2 pcs reduction long, 125-110-90	part no.: 70815
6)	1 pc union, short, 3" with spigot spigot is turned accordingly	part no.: 100670
7)	2 pcs plug, ASA nature, with O-ring	part no.: 140024
7)	2 pcs plug, ABS white, with O-ring	part no.: 140063
8)	1 pc. valve 3" with Aquastar E-2000/F2	part no.: 130847
8)	1 pc. valve 3" with Aquastar E-3000/F2	part no.: 130848
8)	1 pc. valve 3" with Aquastar E-6000/F2	part no.: 130849
9)	3 pcs union, EPDM, short, grey, solvent – male thread	part no.: 170085
10)	1 pc pipe, DA=90, 104 mm long, PN6	part no.: 71021
11)	1 pc elbow 90°	part no.: 73763
12)	1 pc union, EPDM, excess length, grey, solvent – male thread	part no.: 170185
13)	1 pc pipe, DA=90, 138mm, PN6	part no.: 71021

Telescope Piping

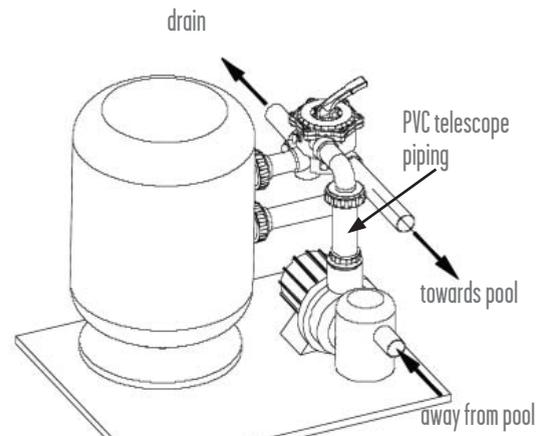
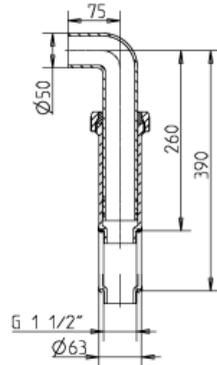
for OCEAN V6 1 1/2" SM10, V4 1 1/2" SM 15

Ocean telescope piping for optimal connection of the Ocean V4 and V6 backwash valve with your filter pump. The height adjustment allows it to be used for the most different filter types + pumps and therefore reduce your filter installation time substantially.
Special lengths and colours available on request.

telescope piping long 170339



telescope piping short, 170394



OCEAN INSTALLATION ACCESSORIES

Ocean V6 1 1/2" & 2" connection elements from V4 or V6 backwash valve towards filter pump



Alternative 1

1m PVC flex hose (special length available on request)

d50 x 4,0 grey

71712

d63 x 4,0 grey

71713

2 x PVC flex - union

1 1/2" BSP AG / Clamp d50

71739

2" BSP AG / Clamp d63

71910



Alternative 2

0,5m PP flex hose (special lengths available on request)

d38, black

71921

2 x PVC hose nozzle

1 1/2" BSP AG / Clamp d38, black

150268



Alternative 3

1 x PVC telescope adapter (special lengths available on request)

d50 x 1 1/2" BSP AG, 245 x 75 mm, white, height adjustable

170394