

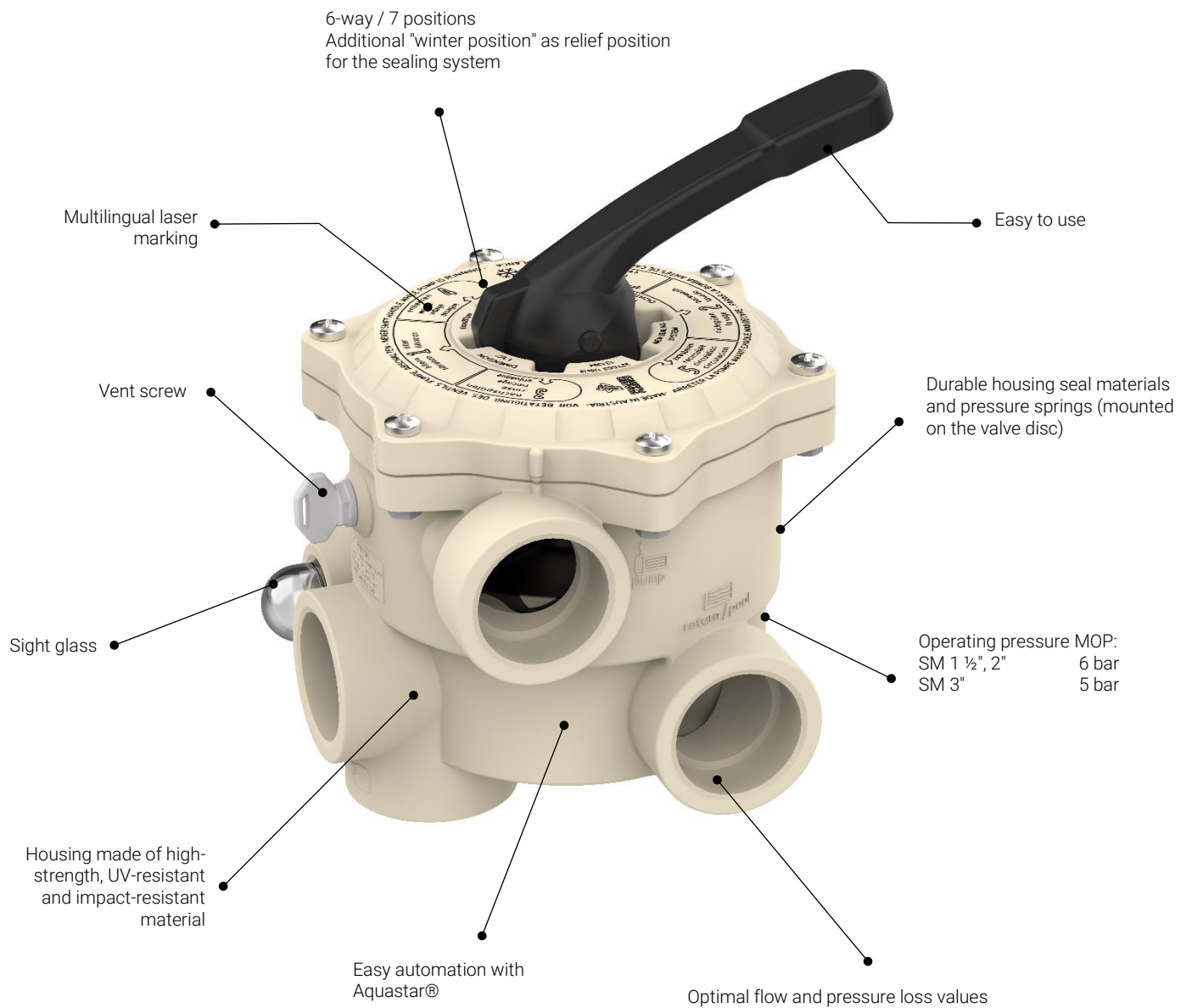


**6-way
Backwash
valve** **V6**

ASA-GF

DATA SHEET

6-way backwash valve



Overview

General

Materials	Housing material	ASA-GF
	Seal material	NBR / FPM
	Seat seal	TPE / EPDM
Operating pressure	1½" / 2"	MOP 6 bar
	3"	MOP 5 bar

Side mount

Dimensions	1½" / 2" / 3"	
Connection variants	Threaded socket	BSP

Product range overview



Side mount
Without piping



Side mount with
Aquastar®

Table of contents



Technical data

Page 5



Dimensions

Page 6



Exploded drawings

Page 7



Connection variants

Page 9



Installation diagram

Page 9

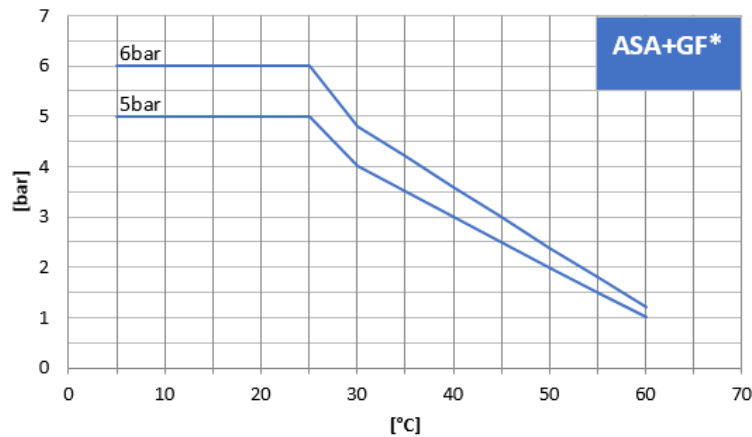


Accessories / Spare parts

Page 12

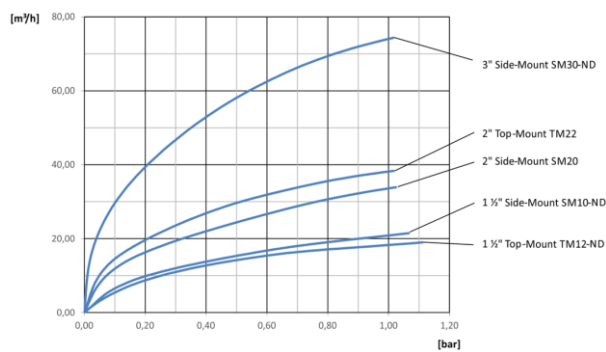
Technical data

Pressure-temperature diagram

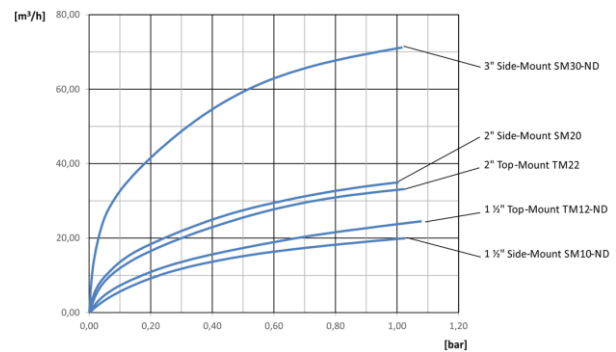


Pressure-temperature diagram refers only to ABS housing material, medium water

Pressure loss



Valve position Filtering



Valve position backwashing

KV value table

Valve position: filtering

Pressure loss	1 1/2" SM	2" SM	3" SM
0.001 bar	0.57	1.04	2.34
1.0 bar	18.00	33.01	74.00

(Data in m³/h)

Valve position Backwashing

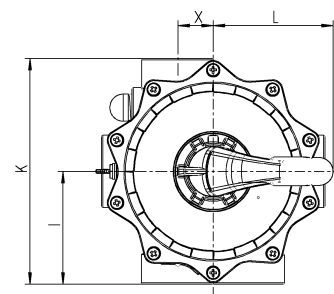
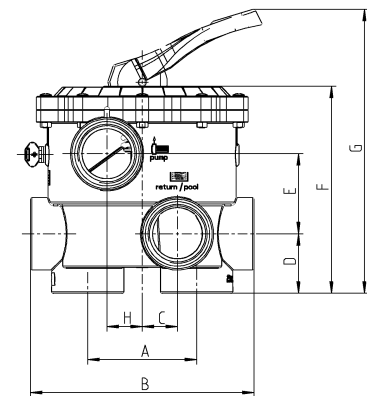
Pressure loss	1 1/2" SM	2" SM	3" SM
0.001 bar	0.61	1.11	2.25
1.0 bar	19.42	35.00	71.00

(Data in m³/h)

Dimensions

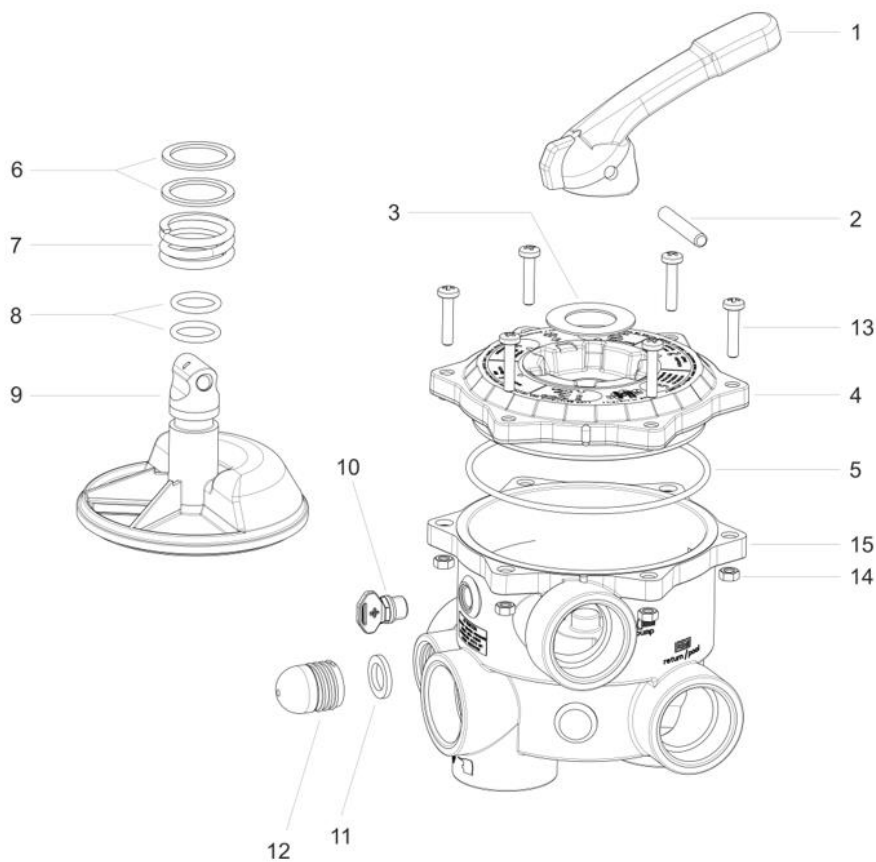
Side mount (dimensions in mm)

Dimension	1 ½"	2"	3"
A	99	110	170
B	180	227	329
C	31.5	36	50
D	48.5	60	85.5
E	60	81	110
F	165	210	304
G	247	296	434
H	41.5	36	50
I	87.5	115	165
K	175	230	330
L	135.5	135.5	206
X	30	36	50



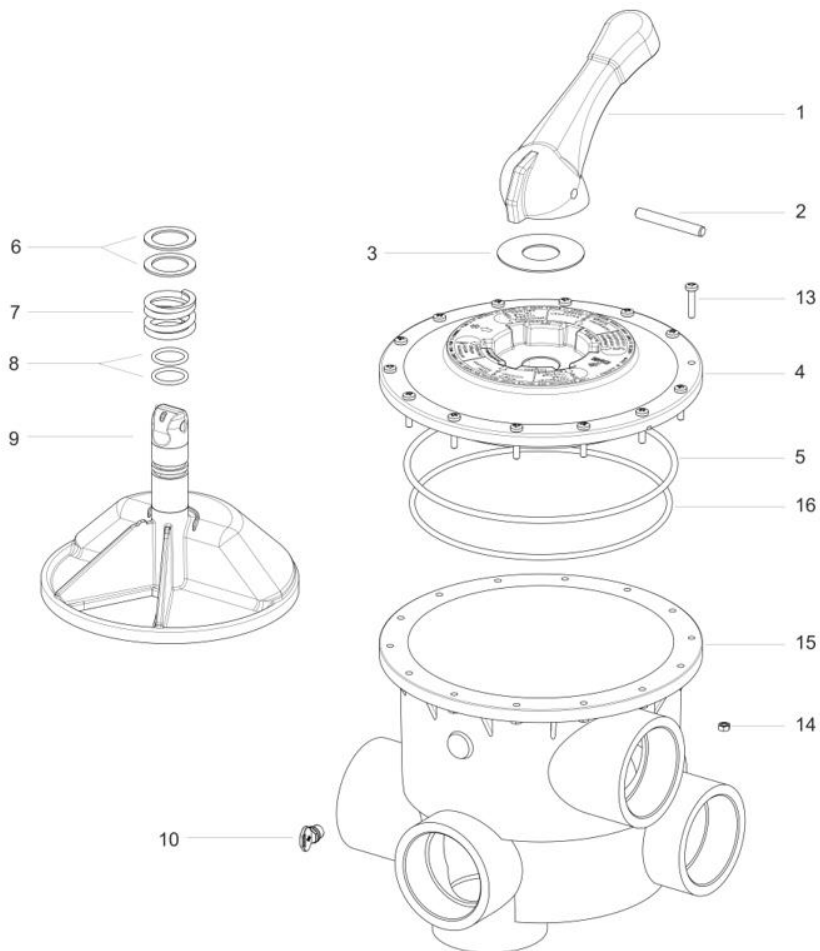
Exploded view

Side mount 1 ½" / 2"



No	Designation	Material
01.	Handle	ABS
02.	Plastic bolt	PA
03.	POM disc	POM natural
04.	Cover	ASA-GF
05.	O-ring	NBR / FPM
06.	POM discs	POM natural
07.	Spring	Stainless steel 1.4401
08.	O-rings	NBR / FPM
09.	Valve disc incl. star seal	ASA-GF natural / TPE
10.	Vent screw + O-ring	PBT + NBR / FPM
11.	Flat seal	NBR / NBR
12.	Sight glass	PC transparent
13.	Screw	Stainless steel A2
14.	Nut	Stainless steel A4
15.	Housing	ASA-GF

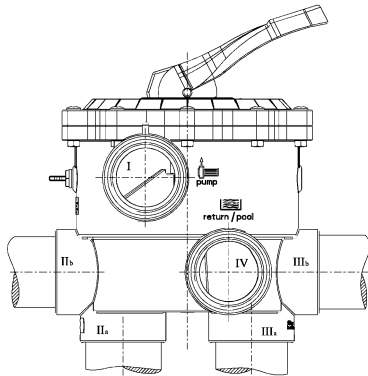
Side mount 3"



No	Designation	Material
01.	Handle	ABS
02.	Steel bolt	Stainless steel 1.4305
03.	POM disc	POM
04.	Cover	ASA-GF
05.	O-ring	NBR / FPM
06.	POM discs	POM
07.	Spring	Stainless steel 1.4401
08.	O-rings	EPDM / FPM
09.	Valve disc incl. star seal	ASA-GF natural / EPDM
10.	Vent screw + O-ring	PBT + NBR / FPM
13.	Screw	Stainless steel A2
14.	Nut	Stainless steel A4
15.	Housing	ASA-GF
16.	O-ring	EPDM / FPM

Connection variants

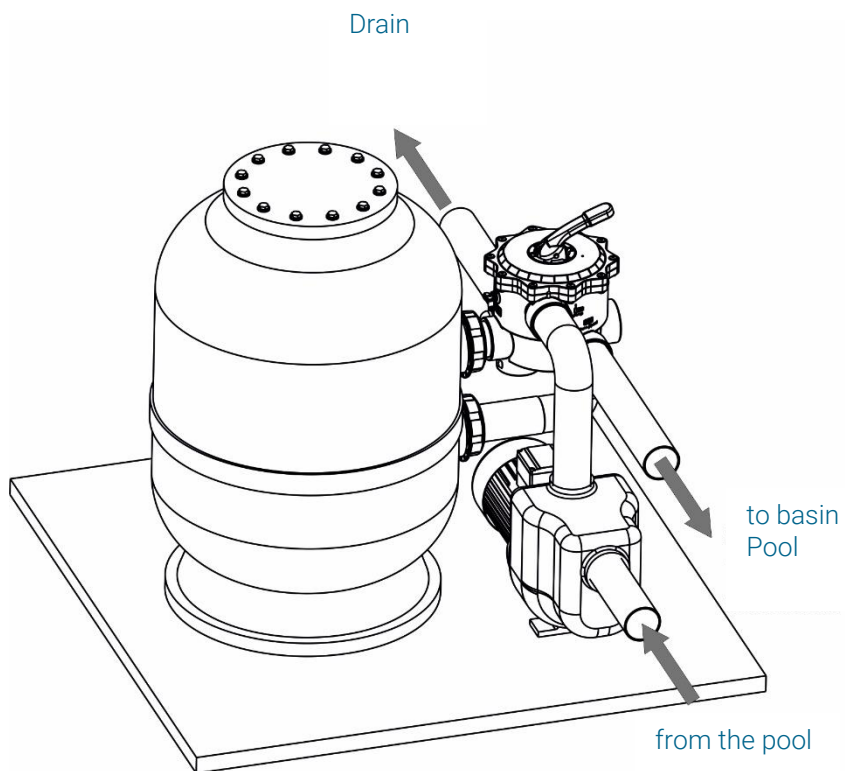
AO (all open)



No.	Designation	Description
I	pump	of pump
II	filter top	to filter
III	filter bottom	from the filter
IV	return / pool	to the pool
V	canal / waste	to the canal

Installation diagram

Side mount

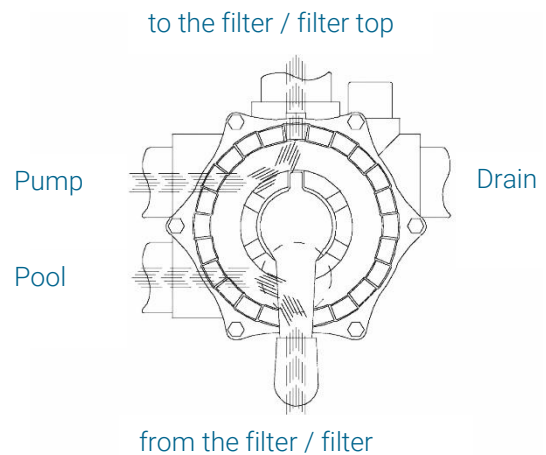


Functional diagram

1. Filtering

Filtering the medium

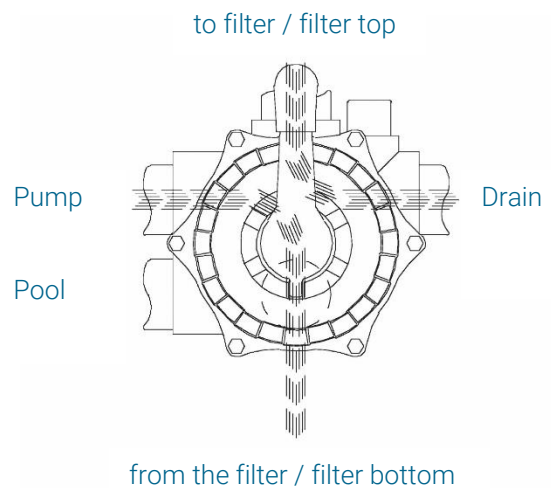
*Circuit: Basin – Pump – Valve (to filter) –
Filter – Valve (from filter) – Basin*



2. Backwash

Clean filter medium in counterflow

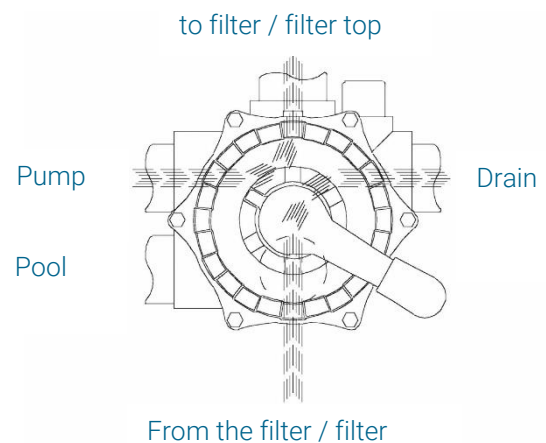
*Circuit: Pool – Pump – Valve (from filter) –
Filter – Valve (to filter) – Drain*



3. Rinse

Clean filter medium after backwashing
(= rinsing)

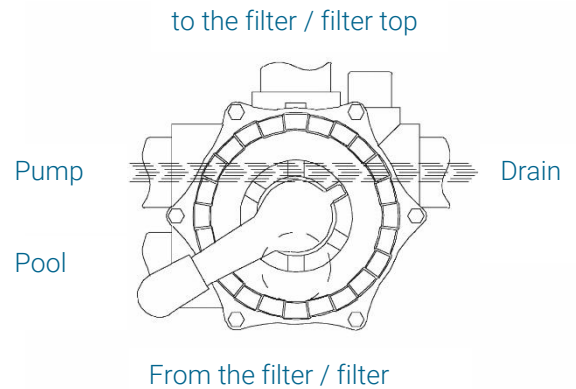
*Circuit: Basin – pump – valve (to filter) –
filter – valve (from filter) – Drain*



4. Emptying

Empty the pool using the pump

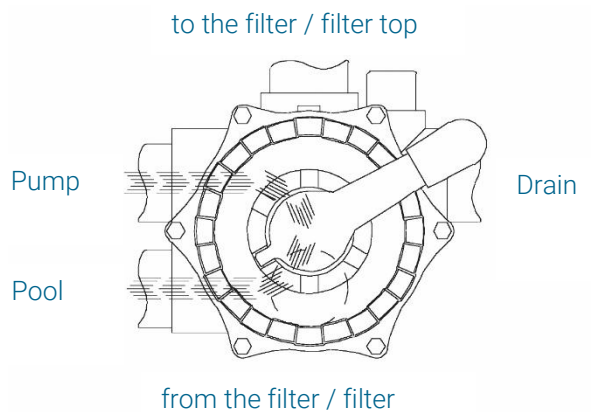
Circuit: Pool – Pump – Valve – Drain



5. Circulating

Pumping the liquid without a filter (filter is bypassed)

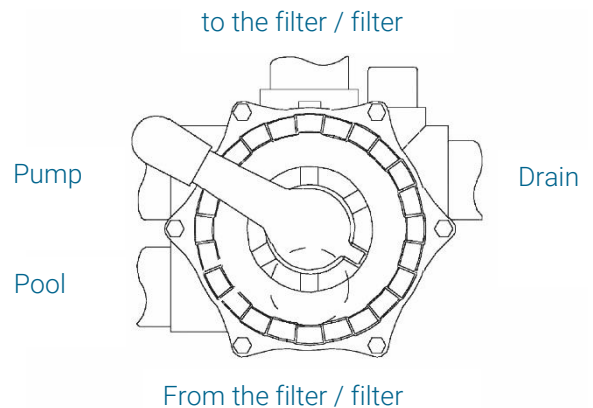
Circuit: Basin – Pump – Valve – Basin



6. Closed

No circulation! Pump must not be operated!

Circuit: Basin – Pump – Valve



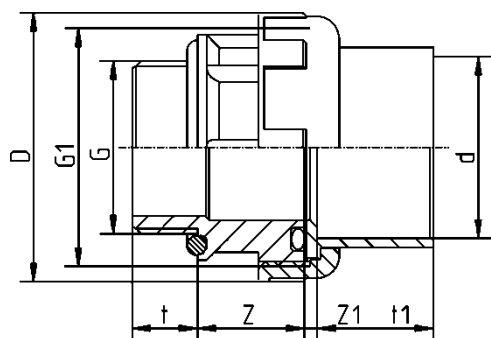
7. Winter position

Valve disc is slightly raised; seal is relieved

CAUTION: this means that the valve is open in all directions

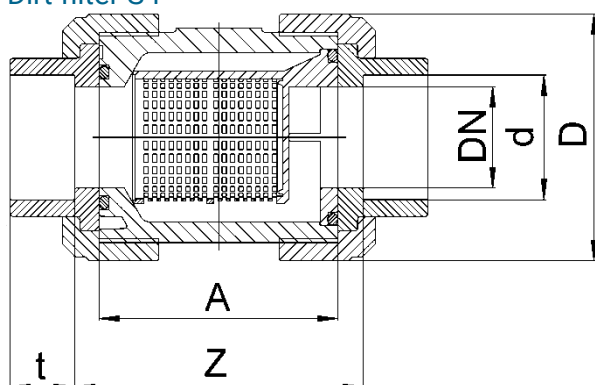
Accessories / Spare parts

Screw connections Ocean PVC solvent socket – external thread



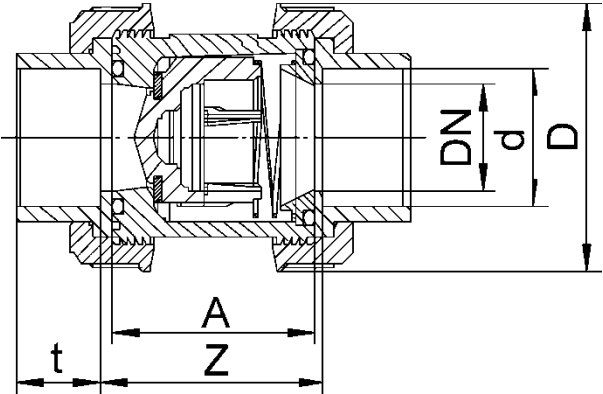
d - D	t	t1	Z	Z1	D	E1
50-1.5" BSP	18	31.5	30	3	74	2 1/4"
50-2" BSP	23.5	31.5	36	3	92	2 3/4"
63-2" BSP	23.5	38.5	36	3	92	2 3/4"
48.4-1.5" NPT	18	31.5	30	3	74	2 1/4"
60.3-2" NPT	23.5	38.5	36	3	92	2 3/4"

Dirt filter S4



d	DN	A	Z	t	D	PN
50	40	95	104	31.5	101	16
63	50	109	121	38.5	124.5	16

Check valve S6



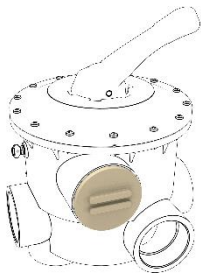
D	DN	A	Z	t	D	PN
50	40	77	87	31.5	101.5	16
63	50	87	99	38.5	115.3	16

Upper part for backwash valve



Available in 1 ½", 2" and 3"

Sealing plug for backwash valve with O-ring



Available in 1 ½", 2" and 3"



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