

PRAHER PLASTICS PVC VALVES



SAFETY
FOR MANY
YEARS



- Best flow rates due to non-reduced diameter
- High durability due to ball seating ring made of PTFE or PE
- Low weight
- Radial installation and disassembly
- Double shaft sealing
- UV resistant
- Corrosion-free
- Double side blocked body design offers more safety
- 100% function and leak test after assembly
- 100% pure PVC
- Handle in different colours and valve with personalized laser marking on request
- Operation temperature up to +60 °C/140 °F.

According to EG-VCM safety regulation.



General:

- Material: PVC-U
- Sealing materials: EPDM/FPM
- Ball seating joint: PTFE/PE
- Dimensions: DN10–DN80
- d16–d110
- d3/8–d4

Connector types:

- Solvent socket: DIN/ASTM/JIS
- Solvent spigot: DIN
- Threaded socket: BSP/NPT
- PE fusion spigot: DIN
- PE fusion socket: DIN

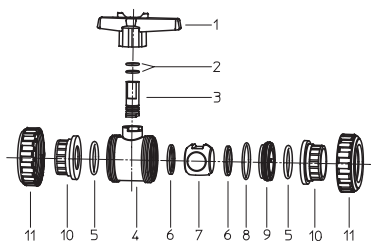
Operating pressure:

- PVC: DN10–DN80, d110 – PN16
- PE: DN10–DN80, d90 – PN16
- PE: DN80, d110 – PN10

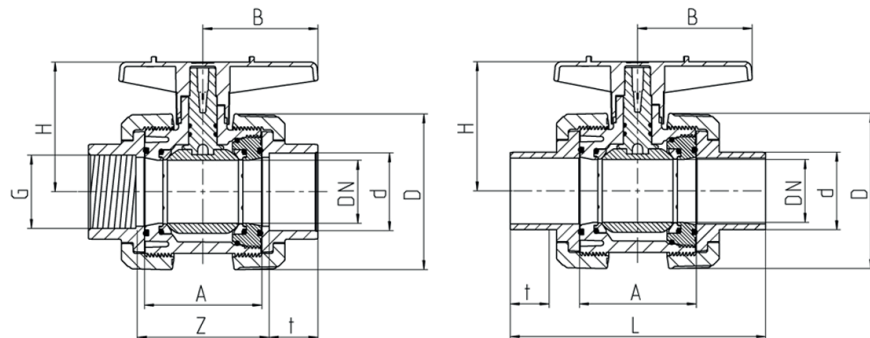


Exploded drawing:

- 1. Handle
- 2. O-Ring
- 3. Shaft
- 4. Body
- 5. O-Ring
- 6. O-Ring (only at DN80)
- 7. Ball seating joint
- 8. Ball
- 9. O-Ring
- 10. Thrust collar
- 11. Connector type solvent socket/spigot threaded socket fusion socket/spigot
- 12. Union nut



Dimensions:



PVC-U

Connection types

PVC solvent socket/solvent spigot/threaded socket

PE fusion socket/spigot

DN	10	15	20	25	32	40	50	65	80	80
d	16	20	25	32	40	50	63	75	90	110
G _{GM} ¹	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
A	44,5	44,5	50	52,5	61	77	87	110	136	136
B	42,5	42,5	55	55	65	75	75	111	133,5	133,5
D	55,5	55,5	62	70	87	101,5	115,5	144,5	180,5	180,5
H	47	47	53	55,5	76	88,5	98	126	150,5	150,5
t _{KM} ²	16,5	16,5	19,5	22,5	26,5	31,5	38,5	45	56,5	61
t _{KS} ³	17	17	20	22,5	26,5	31,5	38,5	45	54	-
t _{SS} ⁴ PE	13	14,5	15,5	18,5	15,5	29	31	32	30	-
t _{SM} ⁵ PE	14,5	16	17	19,5	22	25	29	31,5	38	42
Z _{KM} ²	51	49	56	58	68	85	98	121	153	162
Z _{GM} ¹	50	50	57	60	67	86	98	123	156	-
Z _{SM} ⁵ PE	54	51	60	64	75	97	115	138	182	186
L _{KS} ³	98	107	125	133	151	176	201	260	297	-
L _{SS} ⁴ PE	95	105	123	130	119	162	175	226	266	-
PN _{PVC}	16	16	16	16	16	16	16	16	16	16
PN _{PE}	16	16	16	16	16	16	16	16	16	10

¹ TSO = Threaded socket
² SSO = Solvent socket

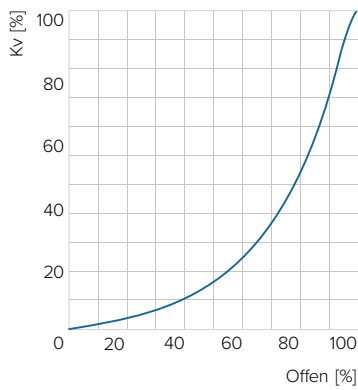
³ SSP = Solvent spigot
⁴ FSP = fusion spigot

⁵ FSO = fusion socket
- = currently not realized

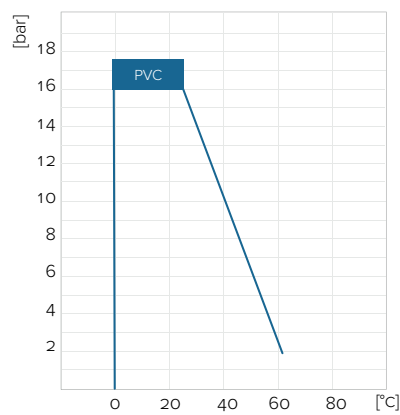
Dimensions in mm

DIAGRAMS OF S6 2-WAY BALL VALVE

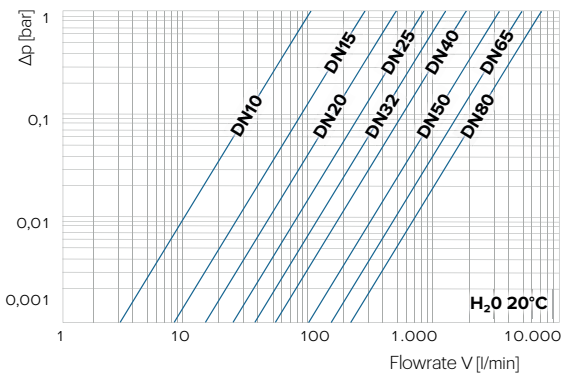
Diagramm:
flow characteristics



Pressure temperature



Pressure loss



Pressure loss*	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80
0.001 bar	4,1	6,3	13,3	20,5	28,4	44,2	82,2	143,8	212,5
1 bar	130	200	420	650	900	1400	2600	4550	6720

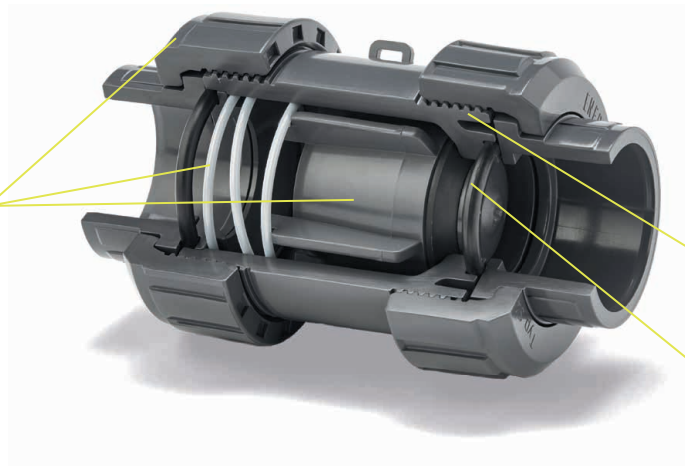
l/min

PVC CONE CHECK VLAVE S4

PTFE-TELEFON COATED STEEL SPRING

For pools which are operated by salt electrolysis systems, low concentrated chlorine & other chemical liquids (for more details ask for our chemical resistance lists).

**EXTREM ROBUST BODY,
CONE AND SPRING
DESIGN
(OPTIONALLY WITH TEF-
LON COATING)**



**USE OF 100% PURE
PVC MATERIAL**

**RELIABLE SEALING
SYSTEM**

MORE PRODUCTS FROM PRAHER PLASTICS

Diaphragm valve T4 d20 ½" – d140 5" 	3-way ball valve S4 d16 ½" – d63 2" 	Laboratory ball valve S4 ¼", ⅜" 	Cone check valve S6 d40 1¼" – d63 2" 	PVC IBG/PRAHER pressure fittings d10 – d400
Butterfly valve K4 d75 2½" – d225 8" 	PVC IBG FlexFit d50 1½" – d63 2" for PVC FlexFit hose PVC and PE pipes 	PVC pressure pipe d16 – d400 PN6, 10 and 16 	Wafer check valve K4, K6 K4: d70 2½" – d225 8" K6: d50 1½" – d315 12" 	IBG® pipe clip d16 – d87, for plastic pipes Typ B

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