

3W ball valve S4 with adapter set



General:

- Body: PVC-U / PP / PVDF
- Seal material: EPDM / FPM
- Ball seating joint: PTFE
- Ball: T- or L-bore
- Dimensions:

DN10	(DN15 / d16 / d3/8")
DN15	d20 d1/2"
DN20	(DN25 / d25 / d3/4")
DN25	d32 d1"
DN32	(DN40 / d40 / d1 1/4")
DN40	d50 d1 1/2"
DN50	d63 d2"

Connector types:

- Solvent socket PVC DIN / ASTM
- Threaded socket PVC BSP
- Fusion socket PP / PVDF DIN
- Fusion spigot PP / PVDF DIN

Operating pressure:

- PVC / PVDF PN16
- PP PN10

Technical features:

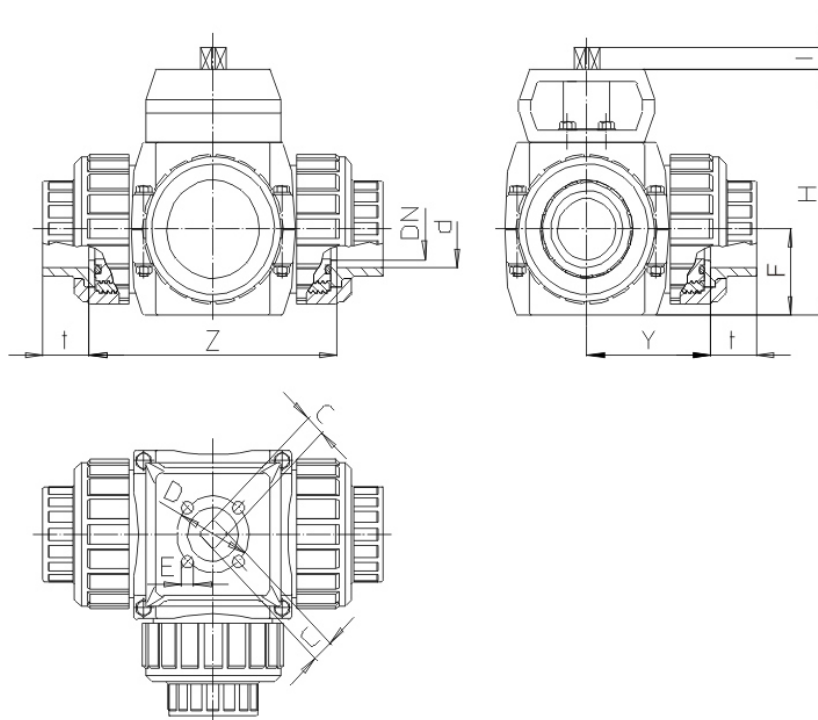
- radial installation and removal
- double sided blocked ball
- machined ball
- full section area of flow (nominal bore)
- floating ball

This document does not constitute a guarantee, it is for initial information purpose only. The product range is continually upgraded, the designs and types therefore only reflect the state of the art at the time of printing. Subject to technical modifications!

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with adapter set

Dimensions:



PVC-U

Connector types

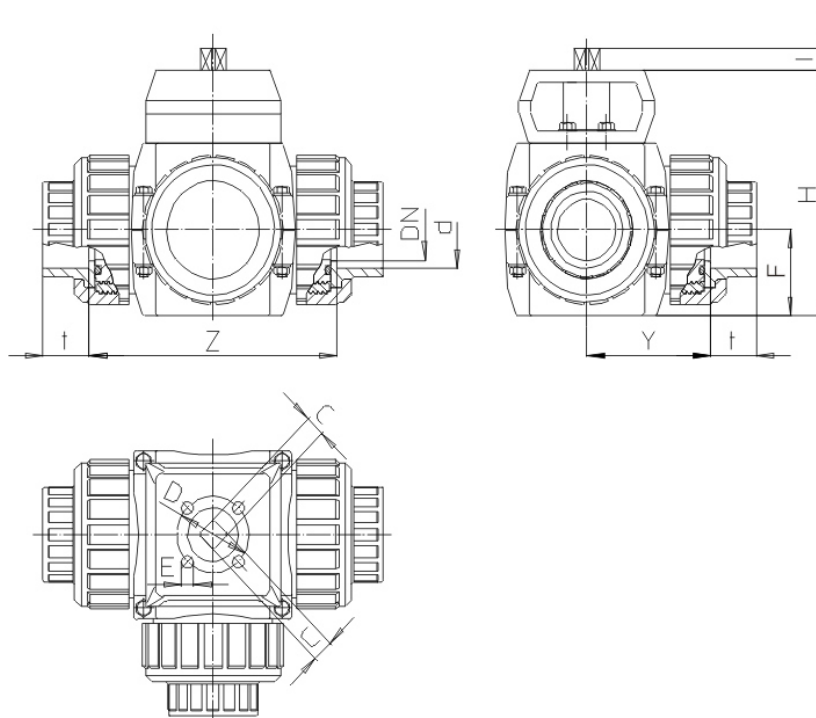
PVC solvent socket / threaded socket

DN	10	15	20	25	32	40	50
d	16	20	25	32	40	50	63
G_{TSO}¹	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
C	11	11	11	11	14	14	14
D	42	42	42	42	50	50	50
E	5,5	5,5	5,5	5,5	6,5	6,5	6,5
F	33	33	40	43	51	56	64
H	104	104	124	124	160	160	176
I	13	13	12,5	12,5	16,5	16,5	16,5
t_{SSO}²	16,5	16,5	20	22,5	27,5	31,5	38,5
Y	53	53	63	63,5	84,5	85,5	96,5
Z	105,5	105,5	126	127	169	171	193
PN	16	16	16	16	16	16	16

dimensions in mm

¹ TSO = threaded socket

² SSO = solvent socket

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**PP / PVDF****Connector types**

PP fusion socket / fusion spigot

PVDF fusion socket / fusion spigot

DN	10	15	20	25	32	40	50
d	16	20	25	32	40	50	63
C	11	11	11	11	14	14	14
D	42	42	42	42	50	50	50
E	5,5	5,5	5,5	5,5	6,5	6,5	6,5
F	33,5	33,5	42,5	42,5	56,5	56,5	65
H	105	105	123	123	161	161	178
I	13	13	12,5	12,5	16,5	16,5	16,5
t_{min}¹ FSO² / FSP³	13	14,5	16,5	18	20,5	23,5	27,5
Y_{PP}	54	53	64,5	65	90	91	103,5
Y_{PVDF}	52,5	52	64,5	62	90	90,5	103,5
Z_{PP}	109	106	130	131	179	181	206,5
Z_{PVDF}	106	106	128	130	179	180,5	206,5
PN_{PP}	10	10	10	10	10	10	10
PN_{PVDF}	16	16	16	16	16	16	16

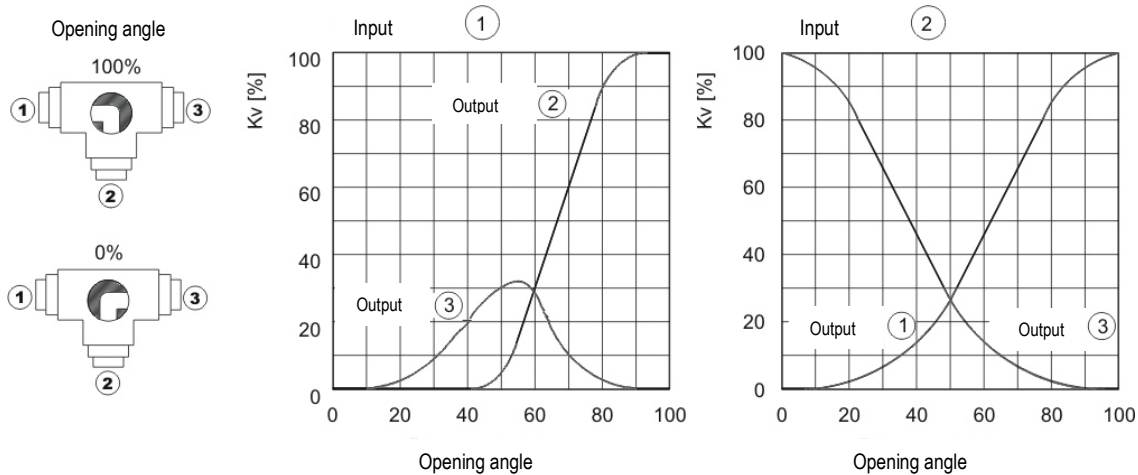
dimensions in mm

¹ FSO = fusion socket² FSP = fusion spigot

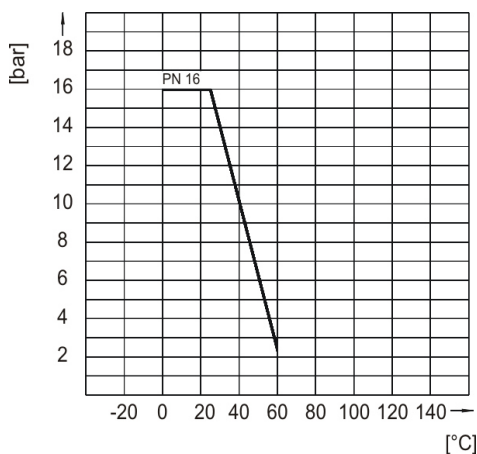
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Diagrams:

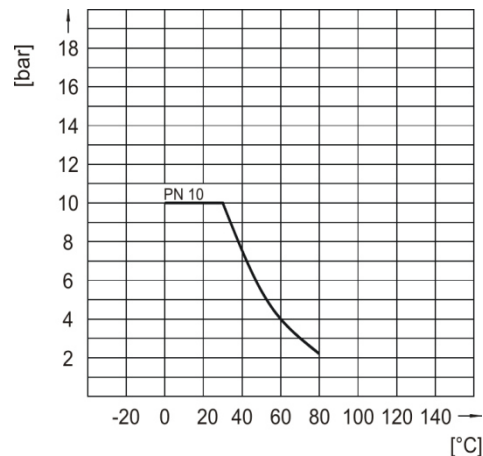
Flow characteristics



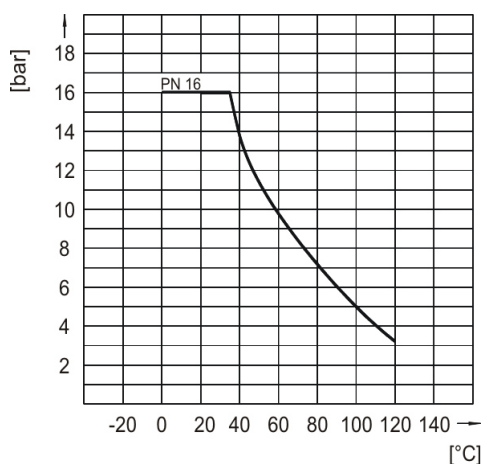
Pressure – temperature – PVC-U



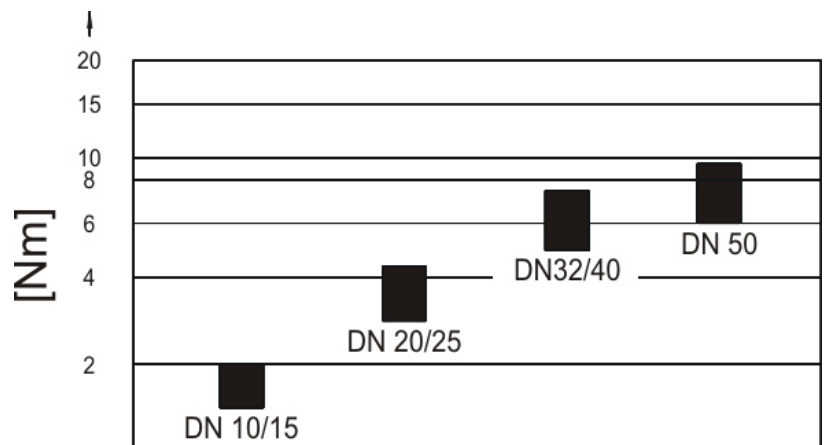
Pressure – temperature – PP



Pressure – temperature – PVDF

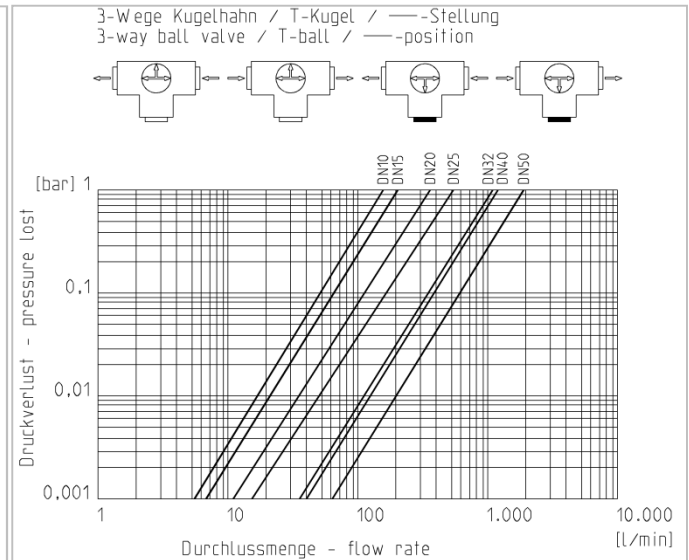
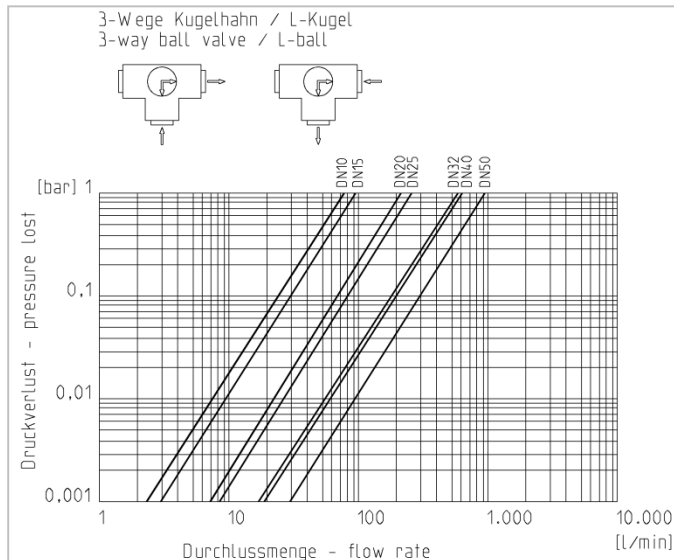


Torque



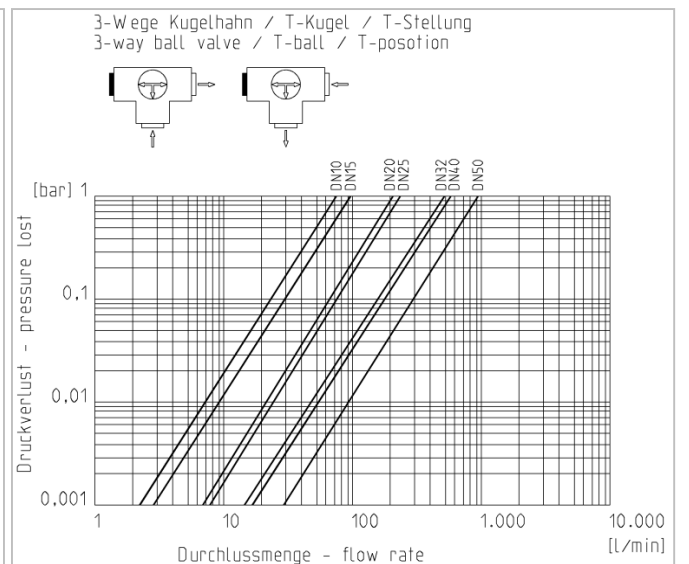
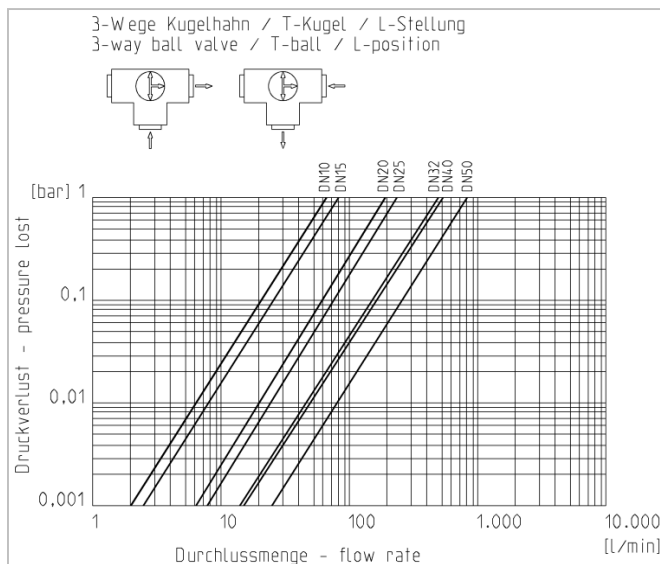
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Pressure loss diagramm



DN10	DN15	DN20	DN25	DN32	DN40	DN50	Pressure loss	DN10	DN15	DN20	DN25	DN32	DN40	DN50
2,4	2,9	6,9	8,3	17,8	19,3	29,4	0,001 bar	5,3	6,5	11,4	16,3	35,6	40	61,3
75	93	218	261	562	610	930	1 bar	166	207	360	515	1127	1265	1940

l/min



DN10	DN15	DN20	DN25	DN32	DN40	DN50	Pressure loss	DN10	DN15	DN20	DN25	DN32	DN40	DN50
2	2,5	6,2	7,6	15	16	25,5	0,001 bar	2,3	2,9	6,6	7,6	15,5	17,6	29,1
64	80	195	240	473	507	805	1 bar	72	90	210	240	490	555	920

l/min