



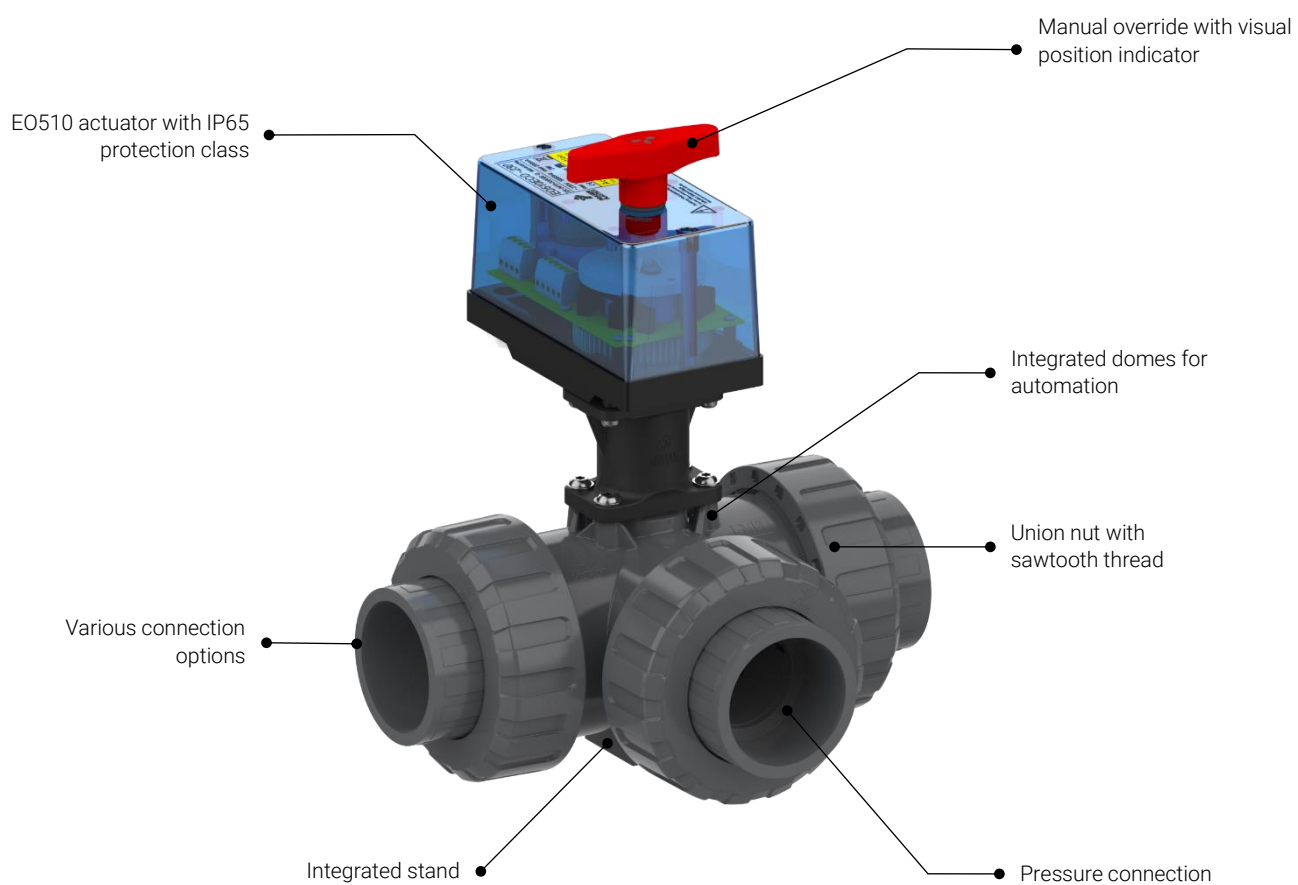
Ball Valve
3-Way solar

M1

PVC

DATASHEET

3-way ball valve M1 Solar



Overview

General

Materials	Body material Seal material Ball Seat	PVC-U EPDM TPE
Dimensions	DN40 – d50 DN50 – d63	
Ball	T-Bore	
Connector types	Solvent socket	Metric
Operating pressure	DN40 – DN50	PN3
Product feature	No 100% tightness due to the compensating holes	

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3W Ball valve electric EO 510 Solar

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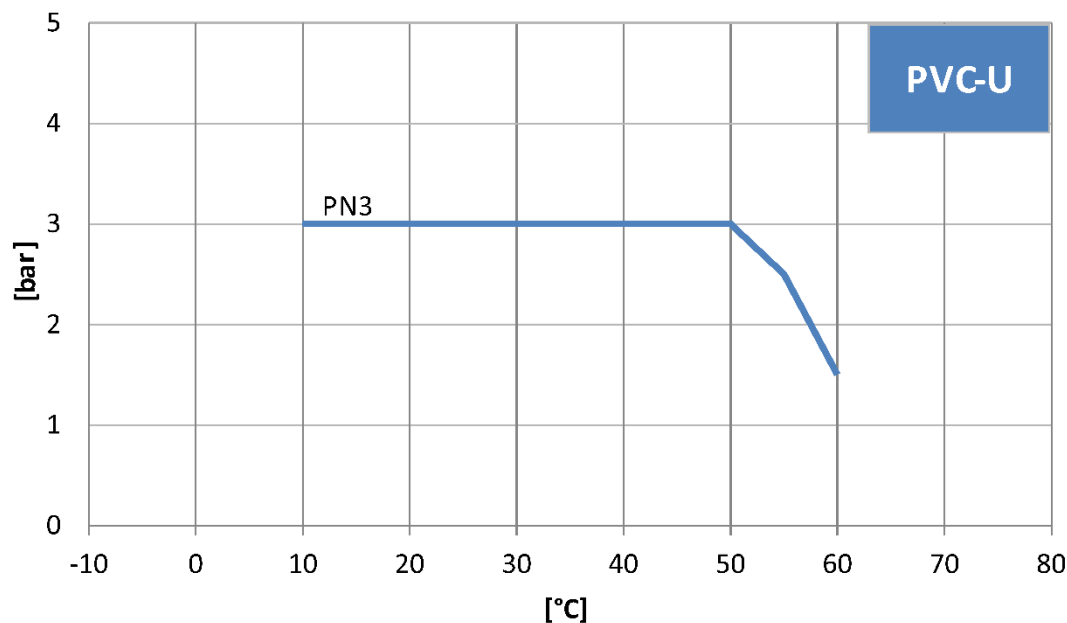


Accessories / spare parts

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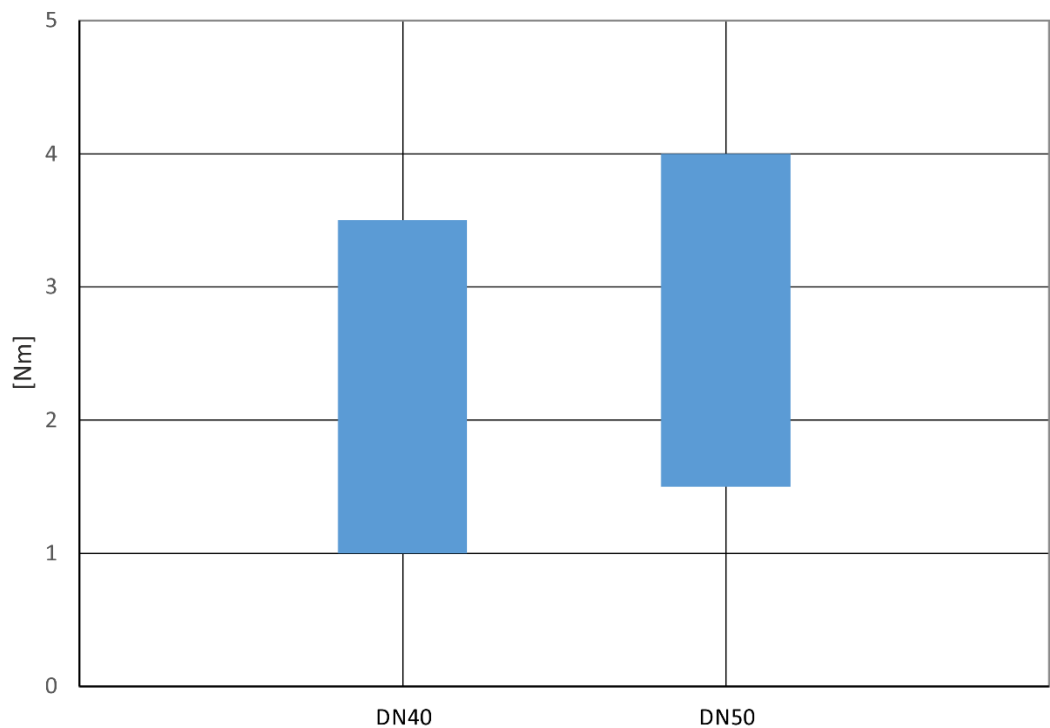
Technical data

Pressure – temperature – diagram



The values of the pressure-temperature-diagram are based on a service life of 25 years at static pressure load and apply to water or water-like media.

Torque at the shaft



Measured according to ÖNORM EN ISO 8233:2024-05-15

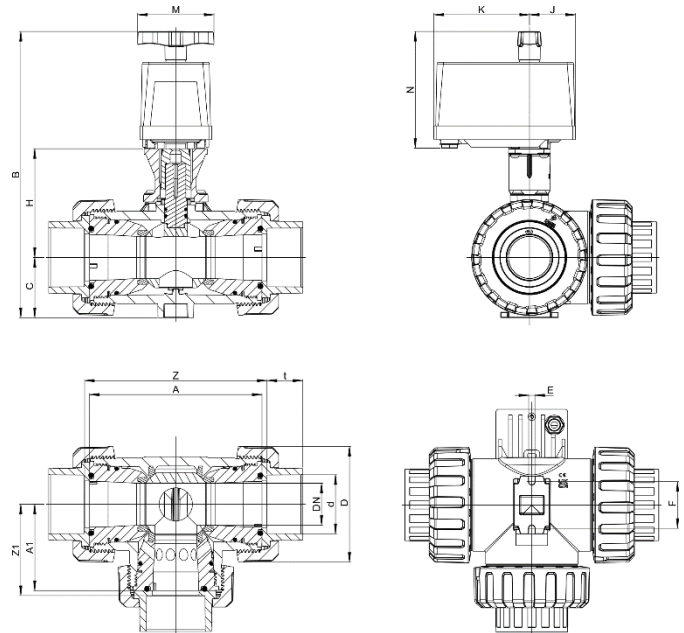
Electrical dimensions EO 510 Solar

Connector type

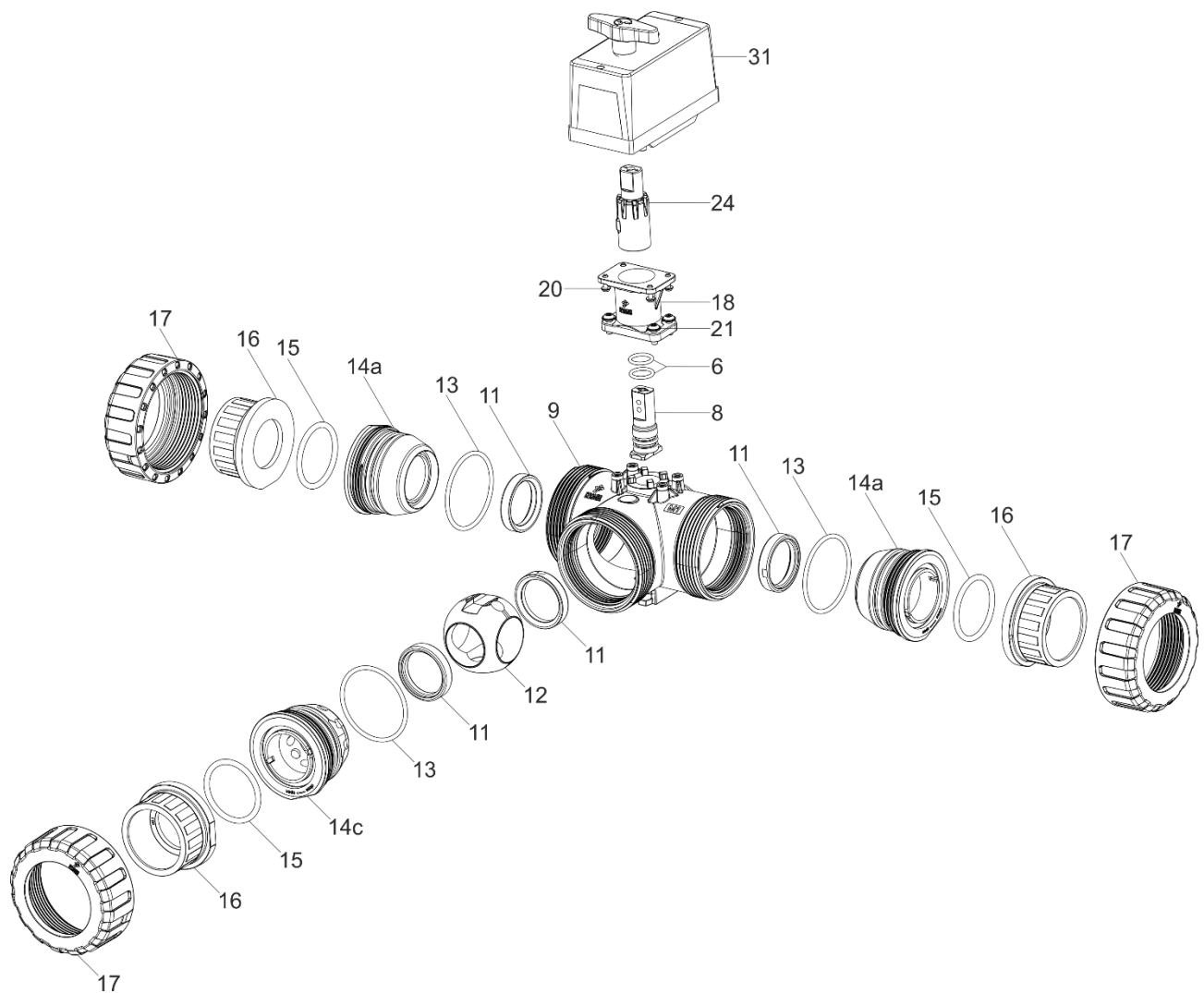
PVC-U solvent socket metric / ASTM

(dimensions in mm)

DN	40	50
d	50	63
Zoll	1 1/2"	2"
A	160	185
C	56,5	64,5
D	106	124,2
E	6,4	6,4
F	45	50
H	109	116,5
t	31,9	38,4
Z	168	195,8
A1	80	92,5
Z1	84	97,9
PN	3,5	3,5
Antrieb	EO510 ECO/IND	
B	291	306,4
J	49,5	49,5
K	102,5	102,5
M	81,9	81,9
N	125	125



Exploded view Electrical EO 510 Solar



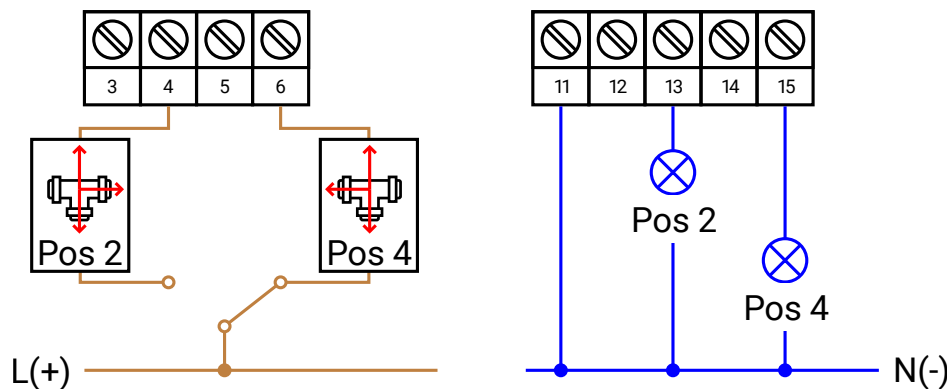
No.	Description	Material
06.	O-ring shaft	EPDM
08.	shaft (T)	PVC-U
09.	Body	PVC-U
10.	O-ring	EPDM
11.	Ball seat	TPE
12.	Ball (T)	PVC-U
13.	O-ring	EPDM
14a.	Retaining ring	PVC-U
14c.	Retaining ring Solar	PVC-U

No.	Description	Material
15.	O-ring	EPDM
16.	Connector types	PVC-U
17.	Union nut	PVC-U
18.	Bracket	PA-GF
20.	Screw	A2
21.	Screw	A2
24.	Coupling shaft	PA-GF
31.	Actuator EO 510	-

Technical data electric EO 510

Electric actuator EO510	
Typ	EO510 ECO-230
Nominal torque	7 Nm
Peak torque	9 Nm
Protection	IP65
Voltage	230V AC $\pm 10\%$
Frequency range	50 / 60Hz
Power consumption	4W / 8W max.
Duty cycle	60% / max. 20 min
Max. switching cycles	5000
Positions	2 Positions in 180°
Altitude	Until 2000m
Ambient temperature	-10°C bis +60°C
Storage temperature	-20°C bis +70°C
Overvoltage category	II
Degree of soiling	2
Installation position	Upright (handle pointing upwards), do not use outdoors
Weight	0,7 kg
Position indicator	Optically (manual override handle)
Manual override	Integrated

Electrical connection:



Accessories / spare parts

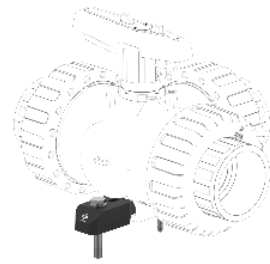
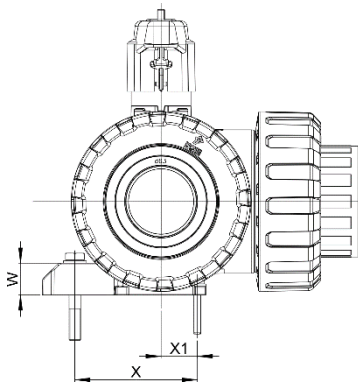
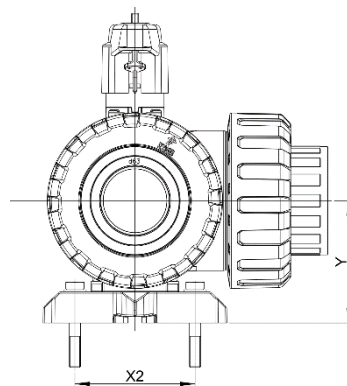
Clamping and spacing element

Use for mounting as a clamping element

- Floor / ceiling / wall
- Plate
- Additional screws necessary

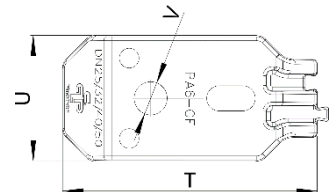
Use for mounting as a spacing element

- For flange connection
- Additional screws necessary
-



dimensions in mm

DN	10	15	20	25	32	40	50
d	16	20	25	32	40	50	63
T	54	54	54	65	65	65	65
U	25	25	25	32	32	32	32
V	6,5	6,5	6,5	8,5	8,5	8,5	8,5
W	16	16	16	22	22	22	22
X	68,5	68,5	70,5	72,5	74,5	79,5	84,5
X1	17	17	18	19	20	22,5	25
X2	70	70	70	85	85	85	85
Y	49	49	56	65,5	73	78,5	86,5



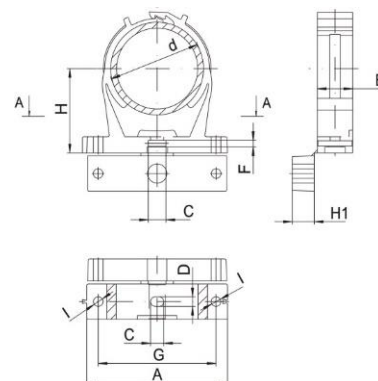
Accessories / spare parts

Pipe clip type B



dimensions in mm

d	20 - 23 1/2"	25 - 28 3/4"	31 - 35 1"	39 - 43 1 1/4"	47 - 51 1 1/2"	60 - 65 2"
A	56	61	67	80	84,5	96,5
B	14	16	16	17,5	20	24
C	9	9	9	9	9	9
D	6,5	6,5	6,5	6,5	6,5	6,5
F	3,5	3,5	3,5	3,5	3,5	3,5
G	41	47	52	64	70	80
H	27	30	31,5	37	41	49
H1	6	10	11,5	14	15	15
I	6,5	6,5	6,5	6,5	6,5	6,5



Pressure ring set for ball valve Solar



Consisting of:

- 2x Pressure ring → Pos.14a
- Pressure ring Solar → Pos.14c
- 3x Ball seat ring → Pos.11
- 3x O-ring pressure ring → Pos. 13



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