



Globe valve

WA10 and WA3

Application and function

The WA10 and WA3 globe valves are used as shut-off valves in connecting lines between steam boilers and level gauges.

The range of applications covers the entire product range of float switches and magnetic level gauges.

Valves of type WA3 are equipped with a position switch that signals the position of the valve and can therefore be installed in an interlocking system, for example to shut off the heating of a steam boiler if the valves are not fully open.

Technical basic equipment

- Globe valve
- Valve body made of pressure vessel steel
- Valve inner parts made of stainless steel
- Handwheel made of steel (WA10)
- Handwheel made of die-cast aluminium (WA3)
- Limit switch made by Steute (WA3)
 - Housing made of powder-coated die-cast aluminium
 - Snap action, changeover contact with double break
 - Cable gland with clamping jaws M16x1.5mm, nickel-plated
 - Plunger actuator with embedded stainless steel ball

Optional versions

- Customised process connections
- Additional position switch



WA10



WA3 – with one limit switch

Technical data

Operating limits WA10 und WA3	perm. pressure [PS]	perm. temperature [TS]
	100bar 1450psig	312°C 593°F
	180bar 2610psig	195°C 383°F



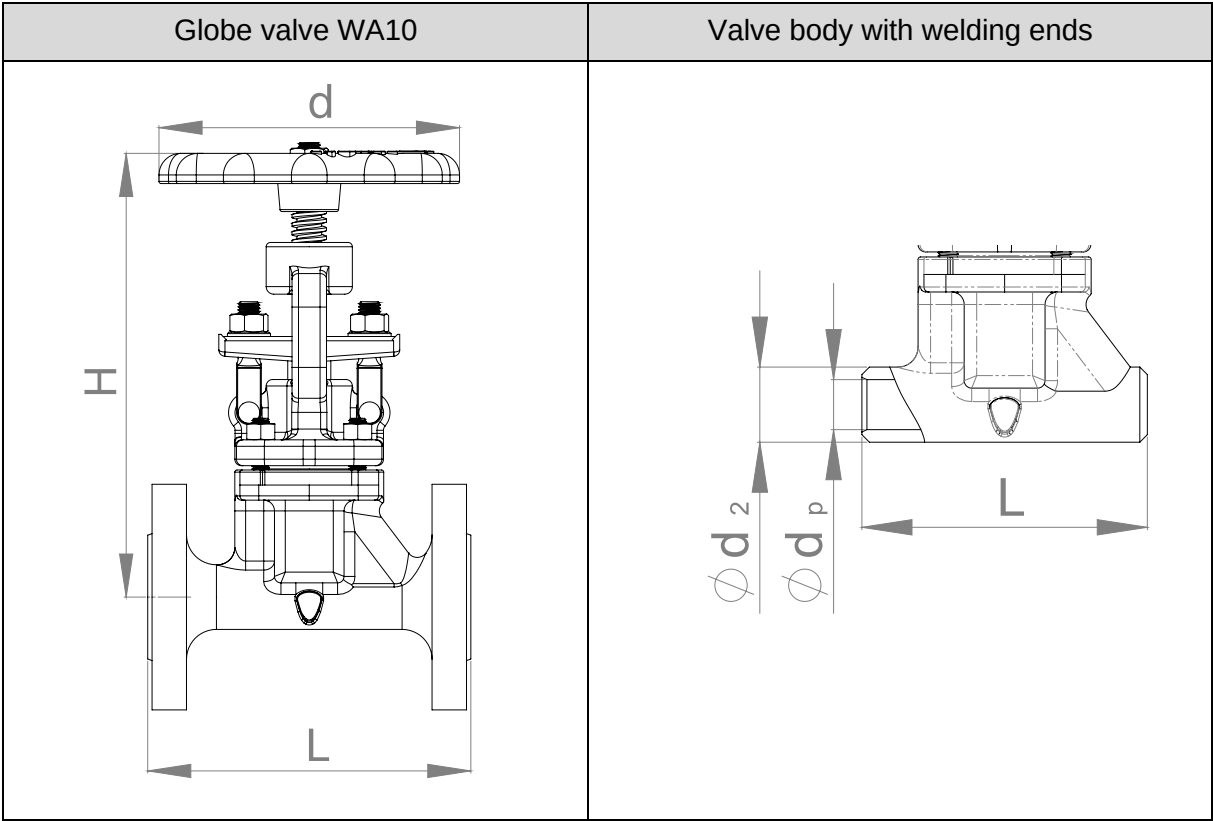
NOTICE

Material damage due to incorrectly installed valve

- Install the valve spindle in a horizontal position.
- Install the valve with the arrow pointing in the direction of the add-on housing.

Position switch for WA3	
Protection class according to IEC/EN 60529	IP65
Switching elements	1 NC contact, 1 NO contact
Connection cross-section	max. 2,5mm ²
Utilisation category	AC-15
Rated operating current/voltage [I_e/U_e]	6A / 400 VAC
Short-circuit protection	6A gG / gN- Fuse
Mechanical service life	>1 Million Switching cycles
Switching frequency	max. 3600/h
Ambient temperature	-20°C < T _{amb} < +80°C
Switching point accuracy with repeated switching	± 0,1mm

Dimensions and sizes



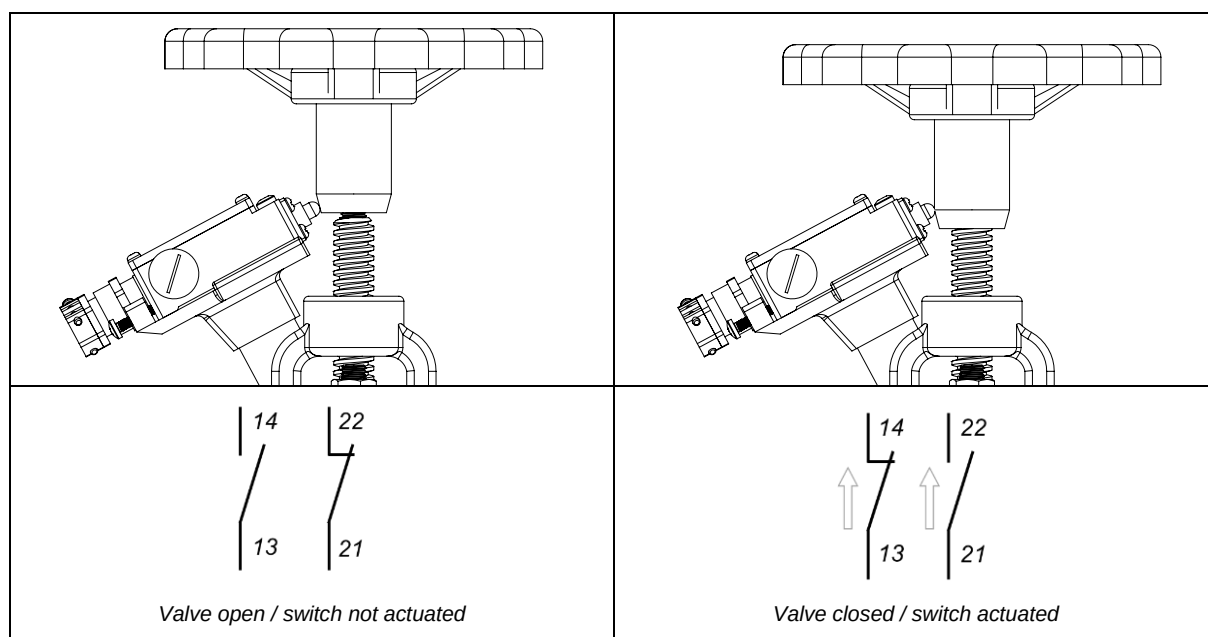
		WA10		WA3	
		[mm]	[inch]	[mm]	[inch]
Handwheel diameter	[d]	140	5 1/2	170	6 2/3
Height	[H]	220	8 2/3	280	11

Available dimensions

PS [bar]	Connection dimension according to DIN EN 1092-1	Sealing surface	Construction measure [L]	
			[mm]	[inch]
13	DN20	B1	150	6
	DN25		160	6 ² / ₇
32	DN20		150	6
	DN25		160	6 ² / ₇
80	DN25	B3	230	9
100				

PS [bar]	Welding end according to DIN EN 12627					Construction measure [L]	
	DN	ø dp		ø d2		[mm]	[inch]
		[mm]	[inch]	[mm]	[inch]		
13	20	22	⁶ / ₇	28	1 ¹ / ₉	150	6
	25	28,5	1 ¹ / ₈	34	1 ¹ / ₃	160	6 ² / ₇
32	20	22	⁶ / ₇	28	1 ¹ / ₉	150	6
80	25	28,5	1 ¹ / ₈	34	1 ¹ / ₃	160	6 ² / ₇
100		27	1				

Functionality of the limit switch





Direct download



Product page on the Internet

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