



Shut off valve

A120-CS, A140-CS, A150-CS and A190

Application and function

The shut-off valves are used for the safe shut-off of level indicators to the tank/steam boiler.

The application range of the shut-off valves covers the entire product range of reflective, transparent and bicolor indicators in the pressure range up to 120 bar.

The product complies with EU Directive 2014/68/EU and ASME Boiler and Pressure Vessel Code.

They are always equipped with a quick-connect trapezoidal thread for quick shut-off and a ball self-closing safety function.

Technical basic equipment

- Valve body made of pressure vessel steel according to DIN and ASME
- Valve inner parts made of stainless steel
- Handle made of aluminium
- Process connection
 - A120-CS → Flange PN40 DN20 / DN25
 - Other valves → customer specific
- Lateral connection
 - A150-CS → customer specific flange
 - Other valves → Hole stitch M12 x 48
(customer specific hole stitches on request))
- Ball self-closing for automatic shut-off in case of glass breakage
- With back seal to relieve the stuffing box packing
- Quick-acting closing spindle ($\frac{1}{3}$ turn)

Optional versions

- Sprocket for remote control
- Customised process connections on the A140-CS, A150-CS and A190
- With Live-Load Packing for continuous pre-tensioning of the packing set
- Stainless steel finish



Shut off valve
A120-CS



Shut off valve
A140-CS



Shut off valve
A150-CS



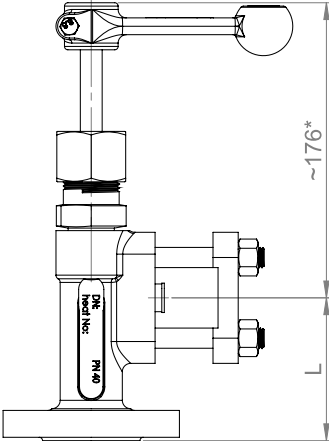
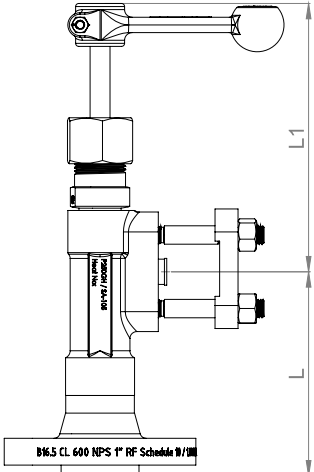
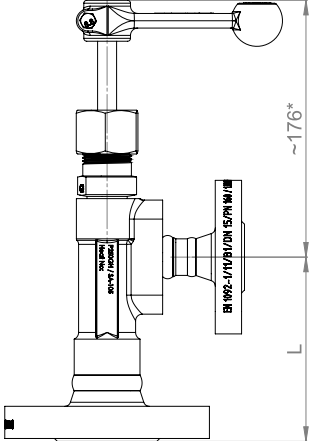
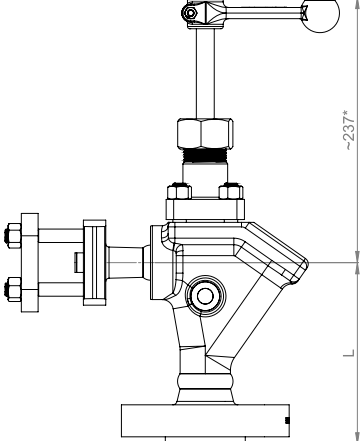
Shut off valve
A190

Technical data

Operating limit A120-CS	Perm.Pressure [PS]	Perm. Temperature [TS]
	32 bar 464 psig	239°C 462°F
Operating limit A140-CS and A150-CS	Perm.Pressure [PS]	Perm. Temperature [TS]
	120 bar 1740 psig	326°C 618°F
Operating limit A190	Perm.Pressure [PS]	Perm. Temperature [TS]
	200 bar 2900 psig	367°C 692°F

The permissible pressure is dependent on the process connection

Dimensions and sizes

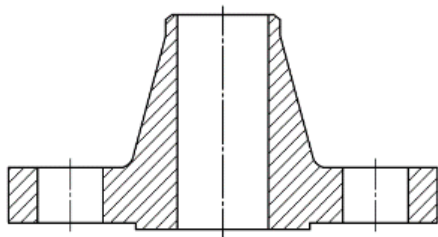
Shut off valve A120-CS	Shut off valve A140-CS
	
Shut off valve A150-CS	Shut off valve A190
	

*Dimension differs for other versions

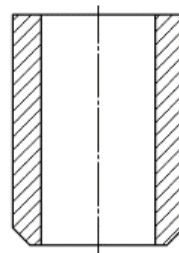
	Type	Process connection	Side connection	L		Article-number
				[mm]	[inch]	
DIN	A120-CS	Flange EN 1092-1 PN 40 DN20	M12 x 48	85	3 1/3	15-12656
		Flange EN 1092-1 PN 40 DN25	M12 x 48	85	3 1/3	15-10773
	A140-CS	Flange EN 1092-1 PN160 DN25	M12 x 48	126	5	15-13673
	A150-CS	Flange EN 1092-1 PN160 DN25	Flange EN1092-1 PN160 DN15	126	5	15-16203
	A190	Flange EN 1092-1 PN320 DN25	Flange EN1092-1 PN320 DN15	170	6 2/3	15-15166
ASME	A140-CS	Flange B16.5 NPS 1" Class 150	M12 x 48	116	4 4/7	15-15148
		Flange B16.5 NPS 3/4 " Class 300	M12 x 48	117	4 3/5	15-16952
	A150-CS	Flange B16.5 NPS 1 1/2 " Class 1500	Flange B16.5 NPS 1/2 " Class 1500	170	6 2/3	15-17029
	A190	Flange B16.5 NPS 3/4 " Class 1500	Flange B16.5 NPS 1" Class 1500	161	6 1/3	15-14905

Other process connections for the A140-CS, A150-CS and A190 are possible on request.

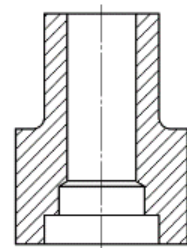
Process connection options



Flange



Welding end



Socket welding

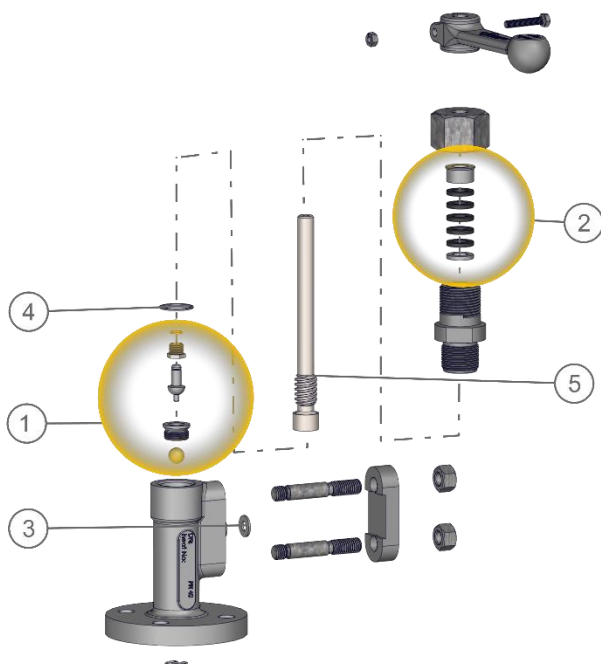
All connection variants are available according to DIN or ASME standard

Optional versions

Examples of the optional versions		
Chain wheel for remote operation	With socket welding	Live-Load Packing
		
Ex.: A120-CS with chain wheel	Ex.: A140-CS with socket welding	Ex.: installed in the A140-CS-LL

Spare parts

Pos.	Description	Article-No.		Quantity
		A120-CS	A140-CS / A145-CS	
1	Cone set, seat, ball	15-00116		1
2	Packing set	15-00113		1
3	Sealing ring $\varnothing 9 \times \varnothing 17,5 \times 1,5$ mm	40-00109	40-00156	1
4	Sealing ring $\varnothing 22 \times \varnothing 27,5 \times 1,5$ mm	40-00117		1
5	Spindle	25-00553		1
-	Handle	25-00102		1
n.d.	Disc springs for live load packing	40-11375		6





Direct download



Product page on the Internet

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