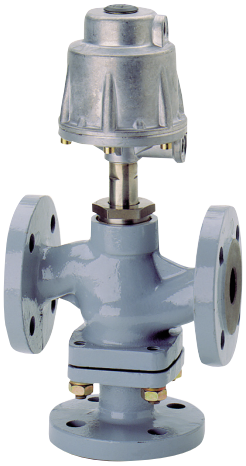
- **Port size: DN 15 ... 50, G1/2 ... 2**
- **Suitable for steam**
- **Can be used as Y-pattern/selector valve (pressure connected to A)**
- **High flow rate**
- **Damped closing**
- **For robust industry applications**
- **International approvals**



Technical features

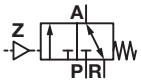
Medium:
Neutral gases and liquids
Pilot fluid:
Air max. +60°C (+140°F)
Switching function:
Normally closed from P to A, closed by spring force, opened from P to A by pilot pressure
Operation:
Pressure actuated by external fluid

Mounting position:
Optional
Flow direction:
Determined
Port size:
DN 15, DN 20, DN 25, DN 32, DN 40, DN 50, DN 65, DN 80, DN 100
Pilot connection:
G1/4

Operating pressure:
See table
Pilot pressure:
See table
Fluid temperature:
–10° ... +180°C (+14° ... +356°F)
Ambient temperature:
max. +60°C (+140°F)

Material:
Body: Grey cast iron
Seat seal: PTFE
Spindle saling: PTFE chevron packing
Internal parts: Brass, Stainless steel

Technical data - standard models

Symbol	Orifice (mm)	Flow kv value *1) (m^3/h) Way P>A	Flow kv value *1) (m^3/h) Way A>R	Pilot pressure (bar)	Operating pressure *2) (bar)	(psi)	Weight (kg)	Model
	15	6,1	4,2	5,5 ... 7	0 ... 16	0 ... 232	4,7	8324200.0000.00000
	20	12	7	5,5 ... 7	0 ... 16	0 ... 232	5,1	8324300.0000.00000
	25	19	12,5	5,5 ... 7	0 ... 10	0 ... 145	5,7	8324400.0000.00000
	32	25	15	4,5 ... 7	0 ... 16	0 ... 232	13,5	8324500.0000.00000
	40	39	27	4,5 ... 7	0 ... 14	0 ... 203	14,5	8324600.0000.00000
	50	64	43	5,5 ... 7	0 ... 10	0 ... 145	18,5	8324700.0000.00000
	65	102	67	5,5 ... 7	0 ... 7	0 ... 101	25,5	8324800.0000.00000
	80	144	94	5,5 ... 7	0 ... 4	0 ... 58	32	8324900.0000.00000
	100	219	144	5,5 ... 7	0 ... 2	0 ... 29	44	8325000.0000.00000

*1) Cv-value (US) ≈ kv value x 1,2
*2) For gases and liquid fluids up to 400 mm^2/s (cSt)

Option selector

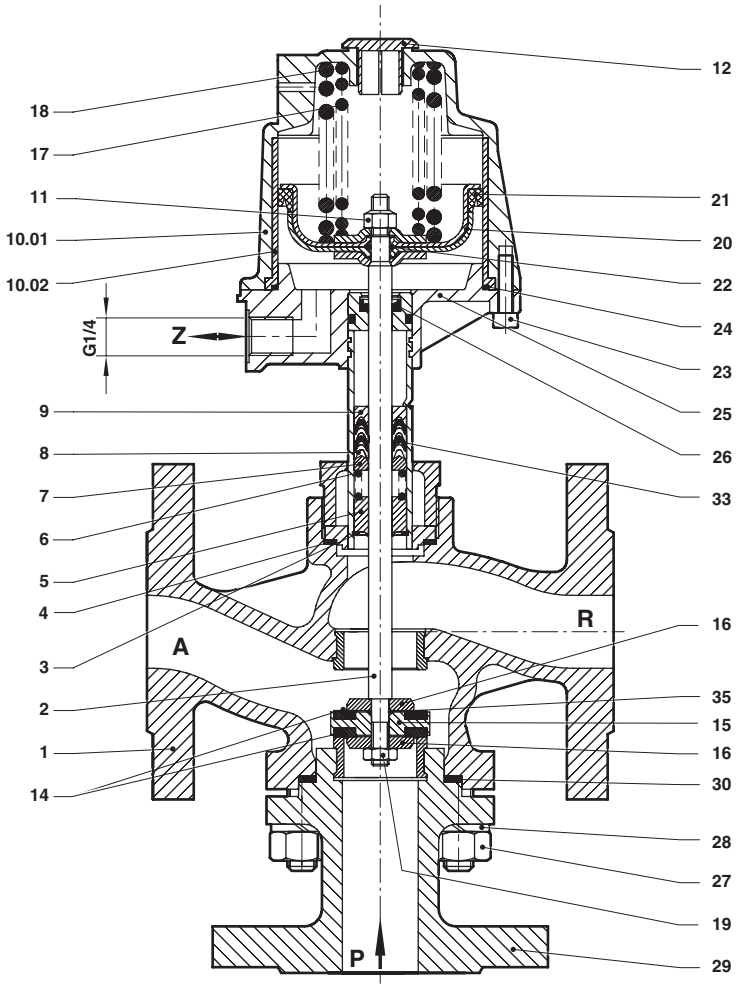
832★★★★.0000.00000

Port size	Substitute
15	**42**
20	**43**
25	**44**
32	**45**
40	**46**
50	**47**
65	**48**
80	**49**
100	**50**

Valve options	Substitute
Normally open (NO)	**01**
Pilot fluid water	**53**
Electrical position indicator design 2	**58**

Section View

DN 15 ... 100

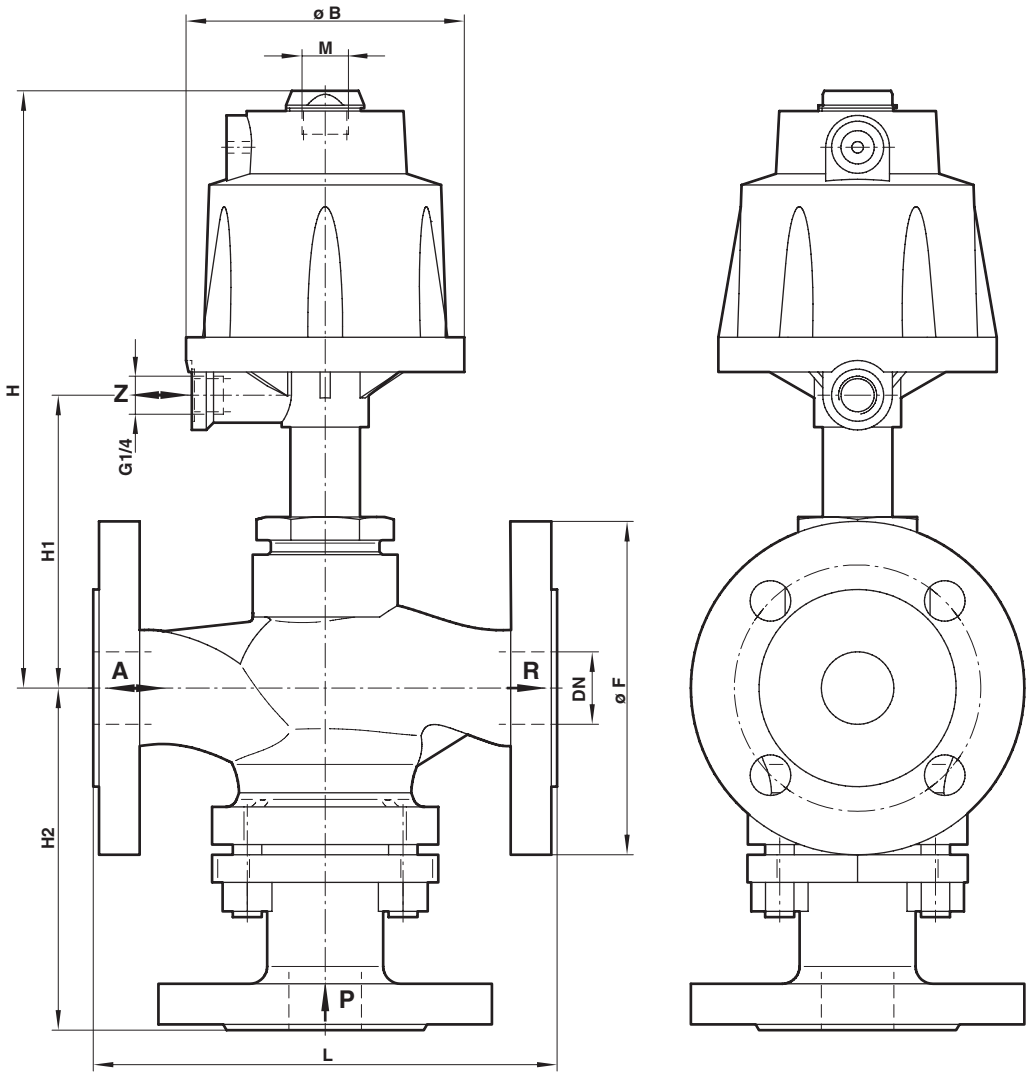


No.	Description
1	Valve body
2	Spindle
3	Locking ring
4	Flat seal
5	Bushing
6	Pressure spring
7	Supporting ring
8	Packing ring
9	Compression ring
10.01	Cover
10.02	Piston bushing
11	Lock nut
12	Protective cap
14	Gasket
15	Valve plate
16	Valve plate
17	Pressure spring
18	Pressure spring
19	Retaining nut
20	Piston assembly
21	Lip seal
22	O-ring
23	Allen head screw
24	O-ring
25	Bottom assembly
26	Lip seal
27	Hexagon nut
28	Spring washer
29	Flange
30	Flange gasket
33	Sleeve
35	O-ring

Dimensions

DN 15 ... 100

Dimensions in mm
Projection/First angle



Orifice (mm)	ø B	ø F	H	H1	H2	L	M	Model
15	96	95	193	95	97	130	M16 x 1	83242xx.0000.00000
20	96	105	198	100	112	150	M16 x 1	83243xx.0000.00000
25	96	115	199	101	118	160	M16 x 1	83244xx.0000.00000
32	164	140	285	141	142	180	M22 x 1,5	83245xx.0000.00000
40	164	150	293	149	148	200	M22 x 1,5	83246xx.0000.00000
50	164	165	300	156	158	230	M22 x 1,5	83247xx.0000.00000
65	164	185	314	170	183	290	M22 x 1,5	83248xx.0000.00000
80	164	200	326	182	204	310	M22 x 1,5	83249xx.0000.00000
100	164	220	339	195	236	350	M22 x 1,5	83250xx.0000.00000

Note to Pressure Equipment Directive (PED):

The valves of this series up to and including DN 25 (G1) are according to Art. 4 § 3 of the Pressure Equipment Directive (PED) 2014/68/EU. This means interpretation and production are in accordance to engineers practice wellknown in the member countries. The CE-sign at the valve does not refer to the PED. Thus the declaration of conformity is not longer applicable for this directive.

For valves > DN 25 (G1) Art. 4 § (1) Letter d) applies:

The basic requirements of the Enclosure I of the PED must be fulfilled. The CE-sign at the valve includes the PED. A certificate of conformity of this directive will be available on request.

Note to Electromagnetic Compatibility Guideline (EEC):

The valves shall be provided with an electrical circuit which ensures the limits of the harmonised standards EN 61000-6-3 and EN 61000-6-1 are observed, and hence the requirements of the Electromagnetic Compatibility Guideline (2014/30/EU) satisfield.

Note to EAC marking:

The EAC-marked products comply with the applicable requirements stated in the technical regulations of the Eurasian Economic Union.