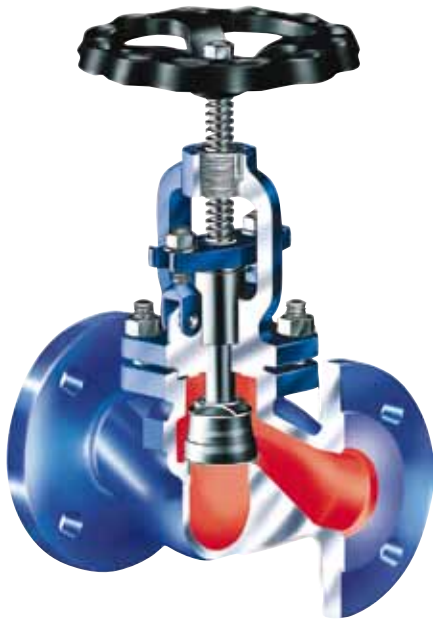


ARI globe valve, steel, PN 40, DN 15-500 with flanges, DN 15-250 with butt welded ends.



General

- ARI globe valve for liquids, steam, and gases.
- Raising stem and hand wheel.
- High-tensile gland packing.
- VM 1811, flanges according to DIN EN 1092-1/2 (DIN 2545).
- VM 1811S, butt weld ends according to DIN EN 25817/12627-4.
- Leakage proof according to EN 12266-1, Rate A.

Options

- Other materials, ductile iron and stainless steel for example.
- Other connections.
- Y type.
- PN 25.
- Soft sealing in PTFE.
- Test TA-Luft.
- Chain wheel.
- Position indicator with locking device.
- Extended stem.

Materials

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
Body in steel EN 1.0619+N ¹	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Seat ring in stainless steel EN 1.4021+QT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Seat ring in stainless steel EN 1.4551 ²							•	•	•	•	•	•	•	•	•	•	•
Bonnet in steel EN 1.0460	•	•	•	•	•	•	•	•									
Bonnet in steel EN 1.0619+N									•	•	•	•	•	•	•	•	•
Stem in stainless steel EN 1.4021+QT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cone in stainless steel EN 1.4021+QT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cone in steel EN 1.0425													•	•	•	•	•
Packing ring and gasket in pure graphite	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hand wheel in cast iron EN-JL1040	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hand wheel epoxy painted FE 13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

1. Body VM 1811S in steel EN 1.0460 DN 15-50.

2. Seat ring VM 1811S in stainless steel EN 1.4551 DN 15-250.

(• = standard)

Technical Data

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
Pressure rating PN 40	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kvs-value m ³ /h (VM 1811)	4,2	7,4	12	19	31	47	77	120	188	288	410	725	1145	1635	2220	3180	4530
Kvs-value m ³ /h (VM 1811S)	3,3	5,8	9,2	15	23,3	36	77	120	188	288	410	725	1145	1635	2220	3180	4530

(• = standard)

Pressure-Temperature Rating

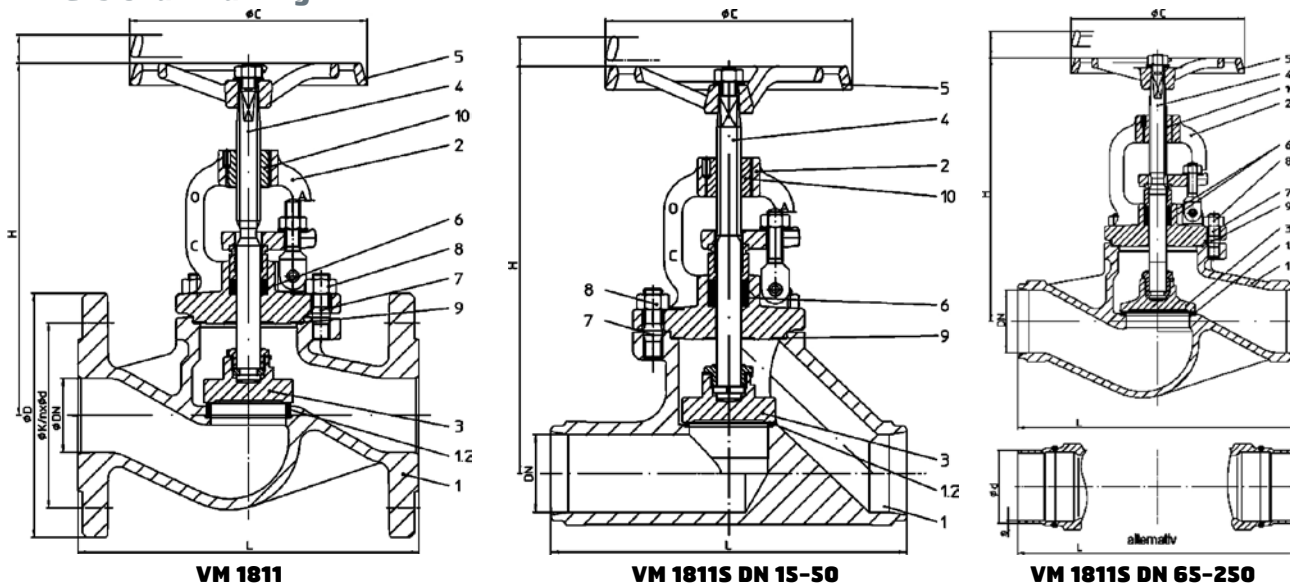
	-60°C	-10°C	+50°C	+100°C	+150°C	+200°C	+250°C	+300°C	+350°C	+400°C	+460°C	Local conditions must be considered.
VM 1811	30	30	40	37,3	34,7	30,2	28,4	25,8	24	23,1	22	
VM 1811S	30	30	40	37,3	34,7	30,2	28,4	25,8	24	23,1	16	

Relief Cone¹

DN	125	150	200	250	300	350	400	500
Max differential pressure Δp (bar)	25	21	14	9	6	4,5	3,5	1,5

1. A relief cone is necessary when the operational pressure exceeds given values in the table.

Dimensional Drawing



Dimensions (mm) and Weight VM 1811

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100	1350*
H	185	185	205	205	230	230	270	305	355	395	450	570	685	770	860	865	995
ØC	120	120	140	140	160	160	180	200	225	250	400	520	520	520	640	640	640
Travel	9	9	13	13	21	19	28	32	36	52	56	73	80	110	116	126	181
Weight (kg)	4,8	5,4	7,1	8	11,5	13,5	23,5	28	39,5	61	84	170	283	414	557	857	1150

* According to producers standard.

Dimensions (mm) and Weight VM 1811S

DN	15	20	25	32	40	50	65	80	100	125	150	200	250
L	130	150	160	180	200	230	290	310	350	400	480	600	730
H	205	205	225	230	235	235	270	305	355	395	450	570	685
ØC	120	120	140	140	160	160	180	200	225	250	400	520	520
Travel	9	9	13	13	21	19	28	32	36	52	56	73	80
Weight (kg)	2,9	3	3,5	3,5	6,2	7,8	16	21	28	45	66	143	228

Details

- 1 Body
- 1.2 Seat ring
- 2 Bonnet
- 3 Plug
- 4 Stem
- 5 Hand wheel
- 6 Packing ring
- 7 Stud
- 8 Hexagon nut
- 9 Gasket
- 10 Insert nuts

Markings

The valve is marked with DN, PN, materials, CE (DN 32-500), type number, flow direction arrow and production year.

Mounting

Installation, see manual.

Consider the flow direction arrow.

Maintenance

The valve is maintenance free.

Regular exercise of the valve is recommended for best functionality.

Order Number

DN	VM 1811	VM 1811S
15	1811015	1811015S
20	1811020	1811020S
25	1811025	1811025S
32	1811032	1811032S
40	1811040	1811040S
50	1811050	1811050S
65	1811065	1811065S
80	1811080	1811080S
100	1811100	1811100S
125	1811125	1811125S
150	1811150	1811150S
200	1811200	1811200S
250	1811250	1811250S
300	1811300	-
350	1811350	-
400	1811400	-
500	1811500	-