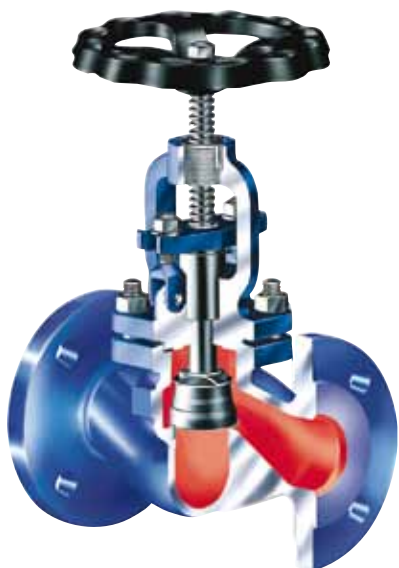


ARI stop valve, cast iron or steel, DN 15-500, PN 16/40, flanges.



General

- ARI stop valve for liquids, steam, and gases.
- Stem with roll hardened thread.
- Burnished stem.
- VM 5803, flanges acc. to DIN EN 1092-1/2 (DIN 2533).
- VM 5811, flanges acc. to DIN EN 1092-1/2 (DIN 2545)
- Position indicator.
- Face-to-face design acc. to DIN EN 558.

Options

- Flanges acc. to other standards.
- Other pressure ratings.
- Angle seat design.
- Chain wheel.
- Pneumatic- or electric actuator.
- Welded ends.
- Other materials, for example ductile iron, stainless steel.
- Soft sealing in PTFE.
- Test TA-Luft.

Materials

VM Number	VM 5803	VM 5811
Body	cast iron EN-JL1040	cast steel EN 1.0619+N
Seat ring DN 15-50	stainless steel EN 1.4021+QT	stainless steel EN 1.4021+QT
Seat ring DN 65-500	stainless steel EN 1.4021+QT	stainless steel EN 1.4551
Bonnet DN 15-80	cast iron EN-JL1040	steel EN 1.0460
Bonnet DN 100-500	cast iron EN-JL1040	cast steel EN 1.0619+N
Stem	stainless steel EN 1.4021+QT (burnished)	stainless steel EN 1.4021+QT
Plug DN 15-200	stainless steel EN 1.4021+QT	stainless steel EN 1.4021+QT
Plug DN 300-500	steel EN 1.0425	steel EN 1.0425
Packing ring	graphite	graphite
Hand wheel	cast iron EN-JL1040 (epoxy coated FE 13)	cast iron EN-JL1040 (epoxy coated FE 13)

Technical Data

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
PN 16 (VM 5803)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	-
PN 40 (VM 5811)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kvs-value m ³ /h	4,2	7,4	12	19	31	47	77	120	188	288	410	725	1145	1635	-	-	-

(• = standard)

Max Pressure Rating bar (e) at Working Temperature

VM Number	-60°C - <-10°C ¹	-10°C - <+120°C	+150°C	200°C	250°C	300°C	350°C	400°C	450°C
5803	-	16	14,4	12,8	11,2	9,6	-	-	-
5811	30	40	38,1	35	32	28	25,7	23,8	22,2

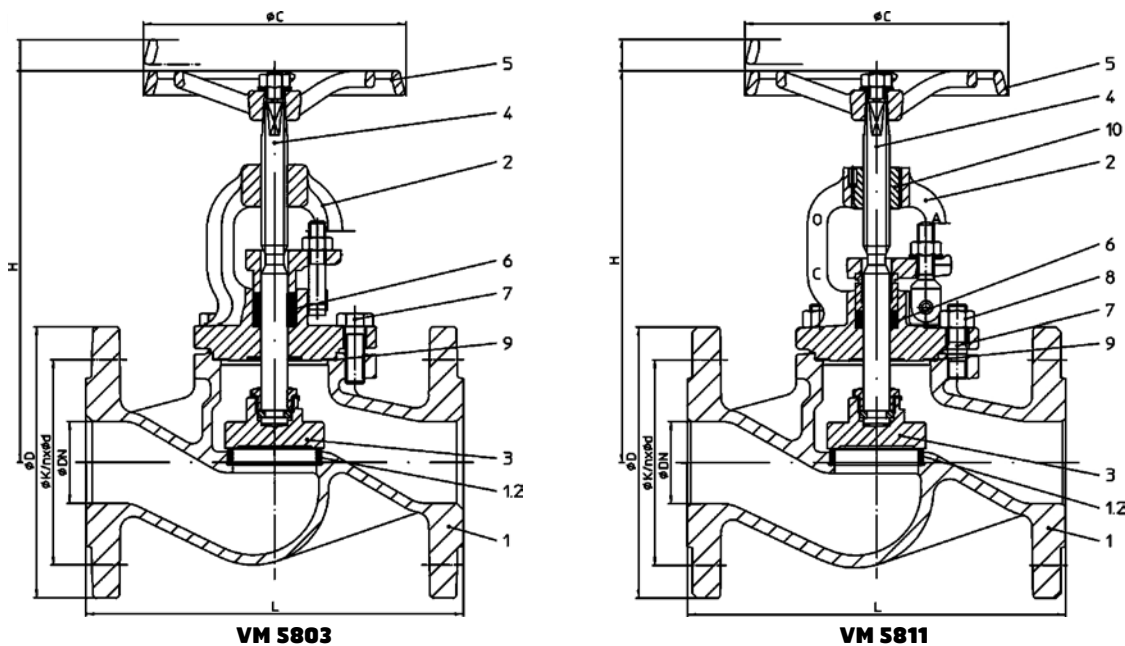
1. Studs and nuts made of A4-70 at temperatures below -10°C.
 Local conditions must be considered.

Balancing Plug¹

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

1. Differential pressures exceeding the following pressures, have to be fitted with pressure balancing plug.

Dimensional



Dimensional Data (mm) and Weight (kg)

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 VM 5803	3,5	4	5	6,8	9,3	12,2	18	24,5	35	55	77	145	243	341	-	-	-
Weight VM 5811	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 the producers standard.

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, material, CE (DN 32-500), type no, flow direction arrow, and production year.

Mounting

Built-in-position, see separate manual. Note

Note the flow direction arrow

Maintenance

The valve is maintenance free.

For best function the valve should be exercised regularly though.

Order Number

DN	VM 5803	VM 5811
15	5803010	5811015
20	5803020	5811020
25	5803025	5811025
32	5803032	5811032
40	5803040	5811040
50	5803050	5811050
65	5803065	5811065
80	5803080	5811080
100	5803100	5811100
125	5803125	5811125
150	5803150	5811150
200	5803200	5811200
250	5803250	5811250
300	5803300	5811300
350	-	5811350
400	-	5811400
500	-	5811500