

FACTS | FIGURES | DATA

Venting and breathe valve V91 · Venting valve V95

V91 · V95



FRANK
PREMIUM-QUALITY PLASTIC

Venting and breathe valve V91

DN 10 to DN 80



V91 PVDF · V95 PVDF



V91 PP · V95 PP



V91 PVC · V95 PVC

FUNCTION

V91 venting and breathe valves are primarily used where containers and pipelines must be ventilated. The float in the V91 opens the valve when the liquid level drops. When the liquid level rises, the float is raised and is pressed against a seal. The valve is closed.

For perfect functioning, it is important for the venting and breathe valve V91 to be installed vertically with the arrow pointing “up”.

SPECIAL FEATURES

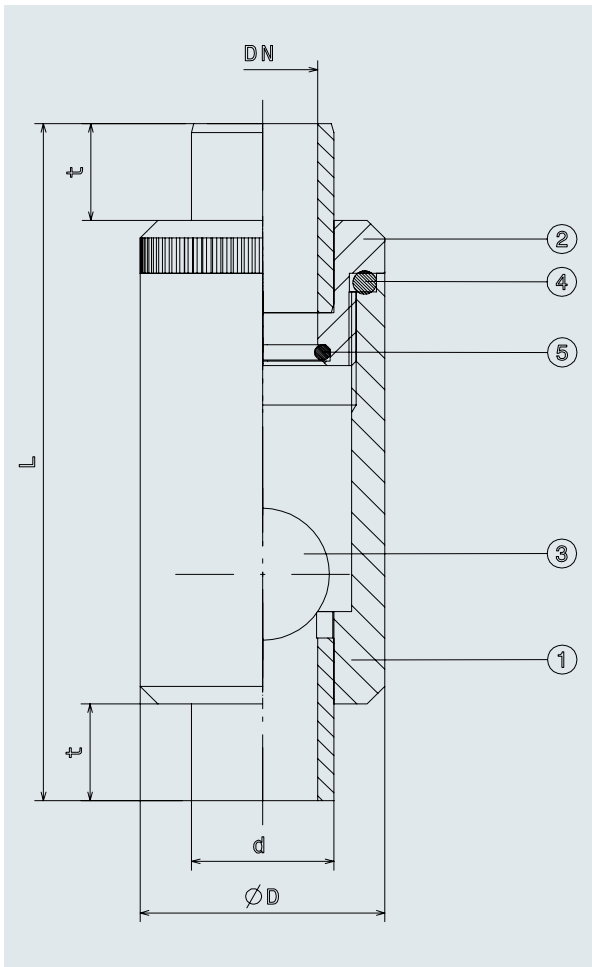
- All parts that come into contact with the medium are made of highly-resistant plastics
- Operation of the valve requires no auxiliary energy
- The valve V91 is largely maintenance-free

MATERIALS

Housing	Permissible operating temperature	Seals	Ball
PVC	0 to +60 °C	FPM	PP
PP	-10 to +80 °C	FPM	PP
PVDF	-20 to +100 °C	FPM	PVDF Float

Operating pressure max. 10 bar at 20 °C

INDIVIDUAL PARTS



- Pos. Designation
 1 Housing
 2 Screw-in part
 3 Ball (PVDE Float)
 4 O-ring
 5 O-ring

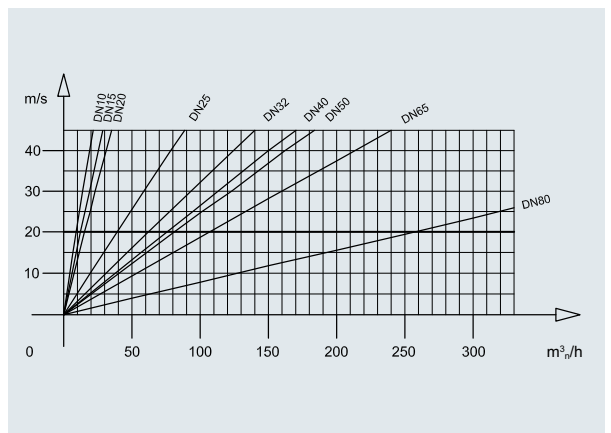
DIMENSIONS IN MM (GUIDELINE VALUES)

d	DN	Ø D	L	t
16	10	35	114	14
20	15	40	124	16
25	20	45	144	19
32	25	55	154	22
40	32	70	174	26
50	40	80	194	31
63	50	95	224	38
75	65	115	284	44
90	80	150	300	51

ARTICLE NUMBERS

d	DN	PVC with Adhesive spigot	PP with fusion spigot	PVDF with fusion spigot
16	10	17.001.822	17.000.613	17.000.596
20	15	17.000.510	17.000.614	17.000.595
25	20	17.000.513	17.000.615	17.000.594
32	25	17.000.540	17.000.616	17.000.593
40	32	17.000.544	17.000.617	17.000.592
50	40	17.000.546	17.000.618	17.000.591
63	50	17.000.549	17.000.619	17.000.584
75	65	17.000.552	17.000.620	17.000.581
90	80	17.000.621	17.000.623	17.003.563

AIR QUANTITY DIAGRAM



We recommend that you do not exceed a speed of 20 m/s.

Venting valve V95

DN 10 to DN 80

FUNCTION

Venting valves V95 are primarily used where a closed system (container) must be vented for emptying. The float in the V95 is pressed against the seal assembly by a spring. The vacuum caused by the emptying causes the valve to open and vents the system.

For perfect functioning, it is important for the venting valve V95 to be installed vertically with the arrow pointing “up”.

SPECIAL FEATURES

- All parts coming into contact with the medium are made of highly-resistant plastics
- No auxiliary energy are required in order to operate the valves
- The valve V95 is largely maintenance-free

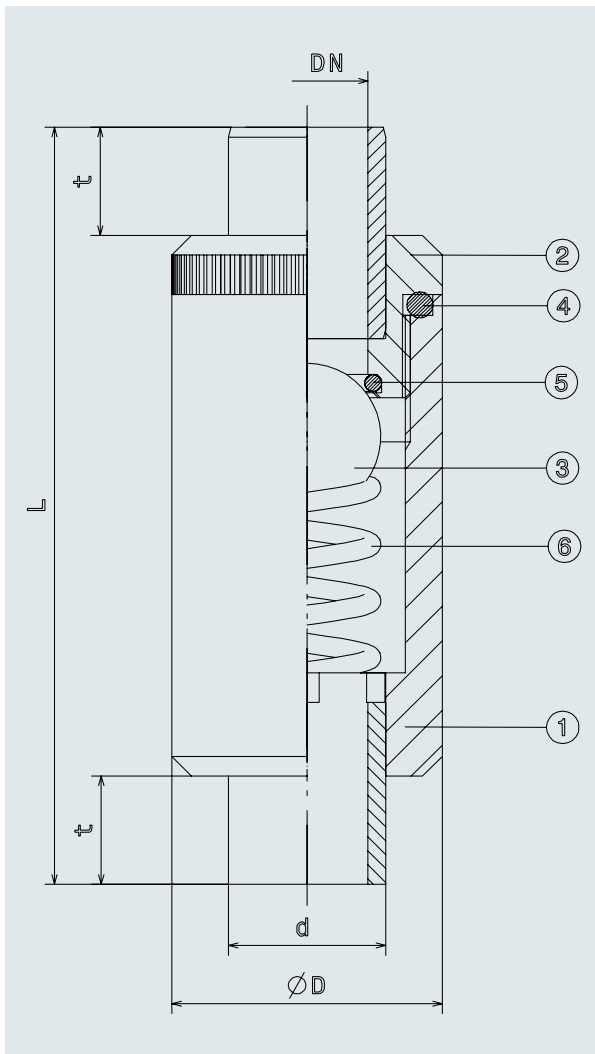
MATERIALS

Housing	Permissible operating temp.	Seals	Spring	Ball
PVC	0 to +60 °C	FPM	PVC	PP
PP	-10 to +80 °C	FPM	PP	PP
PVDF	-20 to +100 °C	FPM	PVDF	PVDF Float

Operating pressure max. 10 bar at 20 °C

The opening pressure of the venting valve V95 cannot be precisely defined, as the plastic spring does not have a constant spring characteristic. An opening pressure of 0.04-0.13 bar can be assumed as the guideline value, depending on DN. However, these values are non-binding and can vary greatly, depending on the operating conditions and period of operation.

INDIVIDUAL PARTS



- Pos. Designation
 1 Housing
 2 Screw-in part
 3 Ball (PVDE Float)
 4 O-ring
 5 O-ring
 6 Spring

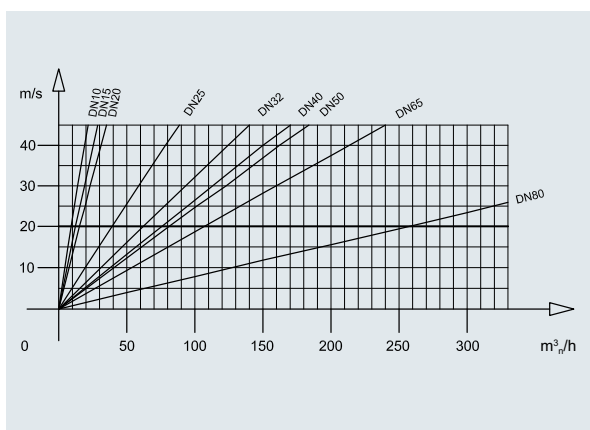
DIMENSIONS IN MM (GUIDELINE VALUES)

d	DN	ø D	L	t
16	10	35	114	14
20	15	40	124	16
25	20	45	144	19
32	25	55	154	22
40	32	70	174	26
50	40	80	194	31
63	50	95	224	38
75	65	115	284	44
90	80	150	300	51

ARTICLE NUMBERS

d	DN	PVC with Adhesive spigot	PP with fusion spigot	PVDF with fusion spigot
16	10	17.000.557	17.000.597	17.000.565
20	15	17.000.558	17.000.598	17.000.567
25	20	17.000.559	17.000.599	17.000.569
32	25	17.000.560	17.000.600	17.000.571
40	32	17.000.561	17.000.601	17.000.573
50	40	17.000.562	17.000.602	17.000.576
63	50	17.000.563	17.000.603	17.000.578
75	65	17.000.564	17.000.604	17.000.579
90	80	17.002.159	17.002.161	17.003.564

AIR QUANTITY DIAGRAM



V91.16V



FRANK plastic AG

Herbert-Frank-Straße 26 | 72178 Waldachtal | Germany

Tel. +49 (0) 7486 181 0 | Fax +49 (0) 7486 181 337

info@frankplastic.de | www.frankplastic.de