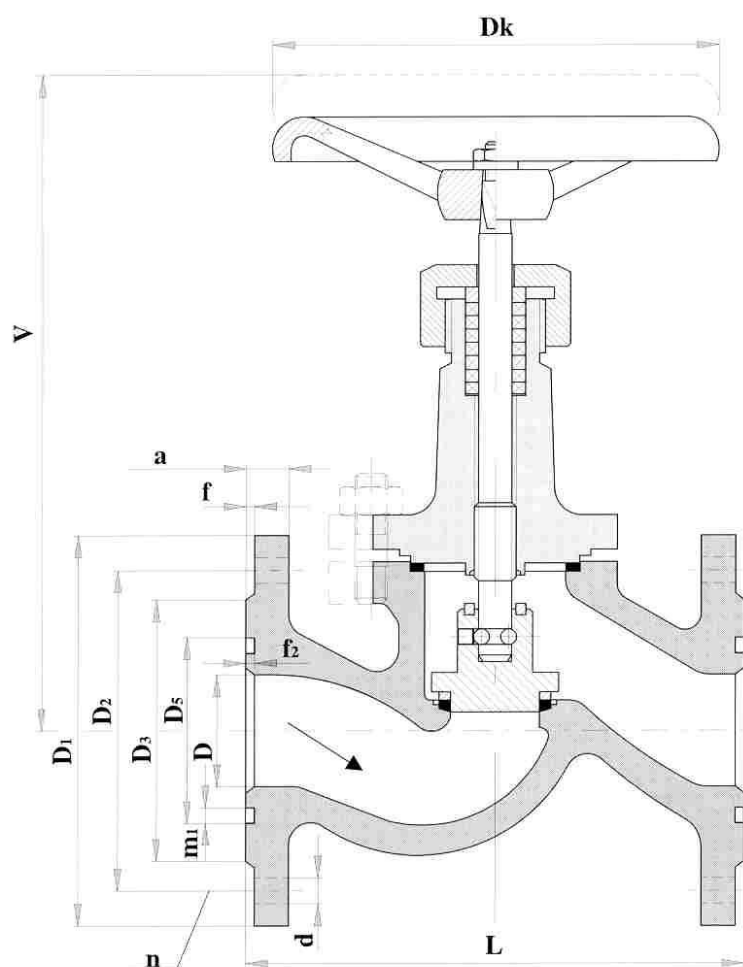


# Globe valve with backseat for ammonia

C 43 101-540

PN 40

C 43 103-540 - regulating



## Application

Shut-off valve for fluid and liquid ammonia, ammonia water, industrial heating gases as per ČSN 38 5502, refrigeration service fluids and air for service pressures and temperatures:

Temperature [°C]	DN 15÷100	125	150	200
	Pressure [MPa]			
do 150	3,2	2	1,6	1
do -20	2,5	-	-	-
do -50	2,5	-	-	-

## Technical description

The valve is head-type, with rotating rising stem. Stem is sealed with packing rings

## Connecting and face-to-face dimensions

Flange faces as per ČSN 13 1060 and ČSN 13 1061, DIN 2501.

Face-to-face dimensions as per ČSN EN 558, DIN 3202 F1.

Basic connecting and face-to-face dimensions are given in the table.

## Material

Body, bonnet

cast carbon or low-alloyed steel

Stem

stainless steel

Disc sealing ring

PTFE

## Testing

The valve is tested as per ČSN 13 3060, part 2 DIN 3230.

## Installation

The valve can be installed in horizontal or vertical piping depending on flow direction

## Operation

The valve is operated by handwheel.

DN	D	L	V	D <sub>k</sub>	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>5</sub>	a	f	f <sub>2</sub>	d	n	m <sub>1</sub>	kg
15	15	130	178	125	95	65	47	40	16	2	3	14	4	6	4,2
25	25	160	185	125	115	85	68	58	18	2	3	14	4	8	4,7
40	40	200	265	200	150	110	88	76	18	3	3	18	4	8	12,0
50	50	230	265	200	165	125	102	88	20	3	3	18	4	8	14,0
65	65	290	325	250	185	145	122	110	22	3	3	18	8	8	25,0
80	80	310	335	250	200	160	133	121	24	3	3	18	8	8	28,0
100	100	350	388	315	235	190	158	150	24	3	3	22	8	11	52,0
125	125	400	520	315	270	220	184	176	26	3	3	26	8	11	75,0
150	150	480	540	315	300	250	212	204	28	3	3	26	8	11	106,0
200	200	600	595	400	375	320	285	260	34	3	3	30	12	11	187,0