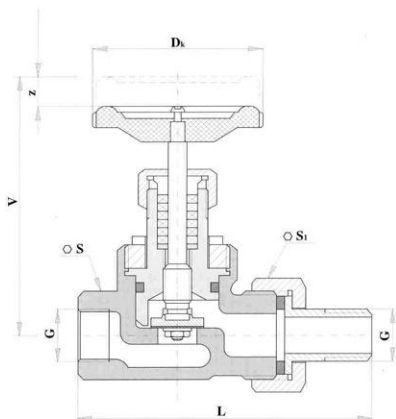


# Globe valve

## G 13.1 181-616

## PN 16



### Application

Shut-off valve for hot water heating systems for the following service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
130	1,60

### Technical description

The valve is head-type. Flat disc with teflon sealing fits into the body seat which is made of the base material. Rotating rising stem is sealed with gland packing in the valve head. Inlet end of the valve has internal thread and hexagonal exterior. Outlet end is fitted with a coupling with external thread. Both ends have straight pipe threads.

### Connecting and end-to-end dimensions

Connecting and end-to-end dimensions are given in the table below.

### Material

Body, head,	grey cast iron (GG-20)
cap nuts	stainless steel (13Cr)
Stem, disc	teflon (PTFE)
Disc sealing ring	carbon steel
Coupling	asbestos-free fibre
Gland packing	

### Testing

The valve is tested as per ČSN 13 3060, part 2, DIN 3230-3.

### Installation

The valve can be installed in horizontal or vertical piping.

### Operation

The valve is operated by handwheel.

### Note

$Q_1$  - maximum flow rate [m<sup>3</sup>/h]

DN	G	L	$Q_1$	V	z	S	$S_1$	$D_k$	kg
10	3/8"	110	1,8	105	6	27	30	50	0,8
15	1/2"	114	2,9	105	6	32	32	50	0,9
20	3/4"	128	4,6	118	7	36	46	63	1,4
25	1"	143	8,0	125	11	46	50	63	1,9
32	1 1/4"	162	12,0	138	11	55	65	80	2,7
40	1 1/2"	182	20,0	140	14	65	70	80	3,3