

## PN16 FLANGE GATE VALVE, ROW 14, 2300

### WITHOUT REPLACEABLE STEM SEAL

#### Purpose

- Drinking water installations.
- In industrial, sewage and other chemically neutral fluids installations (applies to DN50).

#### Authorisation

- National Institute of Public Health PZH.

#### Technical data

- Operational pressure PN16.
- Max temp. for water- 40°C.
- Max temp for other fluids- 70°C.
- Flanged connection according to PN-EN 1092-2.
- Installation length according to PN-EN 558+A1.
- Maximum closing torque MOT=1xDN [Nm].
- Requirements and testing according to PN-EN 1074 – 1 and 2.
- Industrial valves PN-EN 1171.

#### Design features

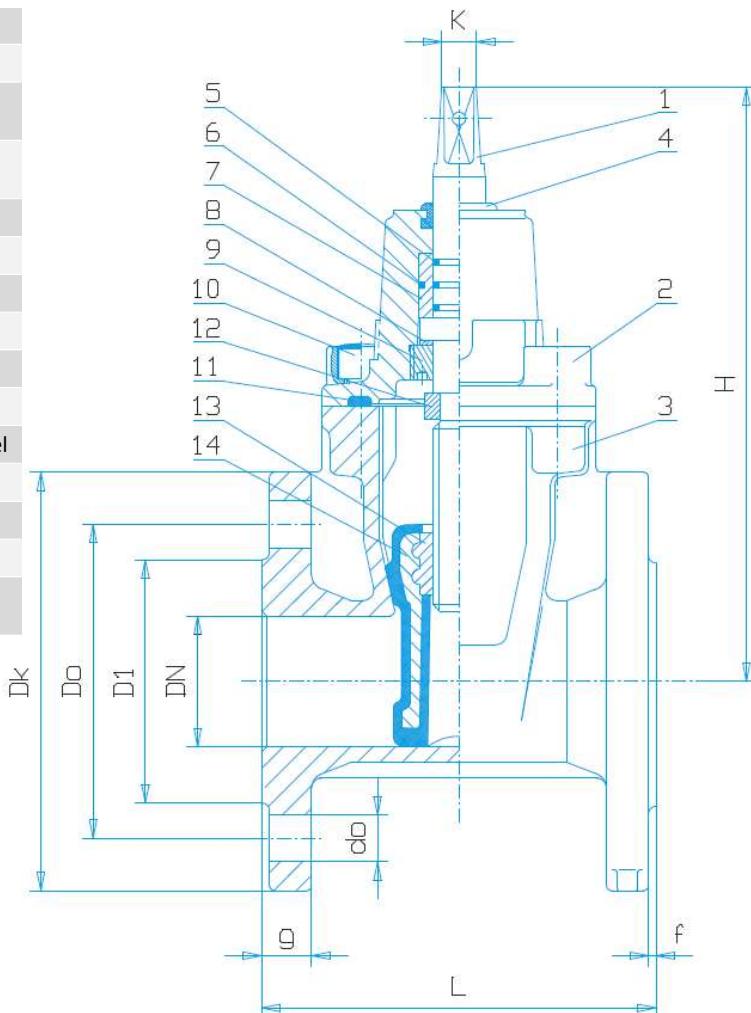
- Full, smooth and cavity-free passage.
- Non-rising stainless steel stem with cold rolled thread secured with back nut.
- Sealing of the stem with three o-rings.
- Lower washer made of polyamide PA6, which is a sliding washer securing low-friction bearing of the spindle (stem).
- Body and cover made of grey cast iron grade EN-GJL 250 or ductile cast iron grade EN-GJS 500-7
- Wedge made of ductile cast iron vulcanized inside and outside with EPDM or NBR rubber of  $70\pm5^{\circ}\text{Sh}$ . guided by the tongue and groove method in guides that are an integral part of the valve body.



- Wedge suspension nut on the stem - nonreplaceable, made of brass, hot-dipped in the wedge of the gate valve eliminates wedge vibrations.
- Bolts connecting the cover to the body - blind threads, fully protected against corrosion with paraffin-wax compound.
- Internal and external anticorrosive protection with epoxy powder paint RAL 5015 with coating thickness of min. 250 $\mu\text{m}$ , resistant to 3kV flashover.

No.	Part	Materials
1.	Stem	Stainless steel 1.4021
2.	Cover	Ductile iron EN-GJS 500-7 Gray iron EN-GJL 250
3.	Body	Ductile iron EN-GJS 500-7 Gray iron EN-GJL 250
4.	Gasket	EPDM/NBR rubber*
5.	O-ring	EPDM/NBR rubber*
6.	O-ring	EPDM/NBR rubber*
7.	Sleeve	Polyamide PA6
8.	Washer	Polyamide PA6
9.	Locking nut	Brass
10.	Cover screw	Galvanized or stainless steel
11.	Cover gasket	EPDM/NBR rubber*
12.	Back nut	Brass
13.	Nut	Brass
14.	Wedge	Ductile iron EN-GJS 500-7 EPDM / NBR rubber*

\*applies to DN50



### FLANGE GATE VALVE- DUCTILE IRON

DN	H	L	K	Dk	1,0MPa	Do	1,6MPa	D1	g	f	1,0MPa	n	1,6MPa	do	1,6MPa	weight (kg)	Cat. No.
50	235	150	14	165		125		102	19	3	4		19	19	11,6	2351	
80	290	180	17	200		160		138	19	3	8/4		19	19	18,7	2355/2356	
100	330	190	19	220		180		158	19	3	8		19	19	24,7	2360	
150	400	210	19	285		240		212	19	3	8		23	23	33,3	2365	

### FLANGE GATE VALVE- GRAY IRON

DN	H	L	K	Dk	1,0MPa	Do	1,6MPa	D1	g	f	1,0MPa	n	1,6MPa	do	1,6MPa	weight (kg)	Cat. No.
50	235	150	14	165		125		102	20	3	4		19	19	11,6	2301	
80	290	180	17	200		160		138	22	3	8/4		19	19	18,7	2305/2306	
100	330	190	19	220		180		158	24	3	8		19	19	25,7	2310	
150	400	210	19	285		240		212	26	3	8		23	23	36	2315	
200	490	230	24	340		295		268	30	3	8	12	23*	67,6	2320/2321		