

## 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  $MOT=1 \times DN$  [Nm].
- Requirements and testing according to PN-EN 1074 – 1 and 2.
- Industrial valves PN-EN 1171.

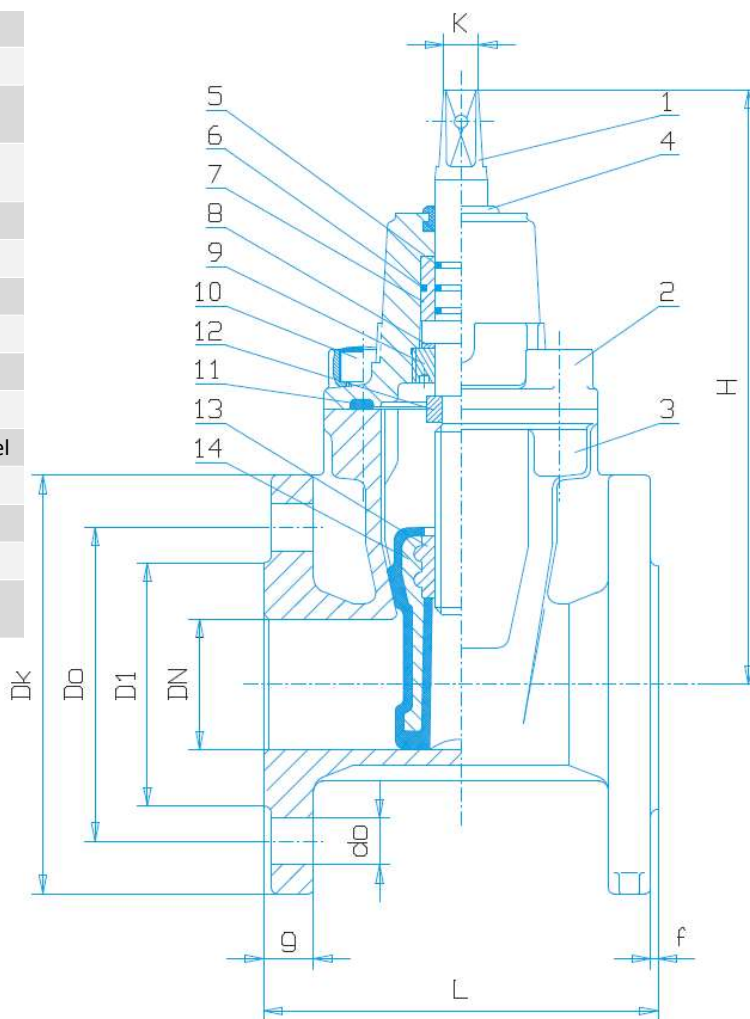
### Design features

- 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±5°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. 250µm, 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 Do	D1	g	f	1,0MPa n	1,6MPa n	1,0MPa do	1,6MPa do	weight (kg)	Cat. No.
50	235	150	14	165	125	125	102	19	3	4	4	19	19	11,6	2351
80	290	180	17	200	160	160	138	19	3	8/4	8/4	19	19	18,7	2355/2356
100	330	190	19	220	180	180	158	19	3	8	8	19	19	24,7	2360
150	400	210	19	285	240	240	212	19	3	8	8	23	23	33,3	2365

#### FLANGE GATE VALVE- GRAY IRON

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