

Wedge Gate Valve (flat form), gray cast iron, TYPE AS06



Description:

Flat gate valves are used for the controlled opening and closing of a piping system.

Product features:

- Suitable for neutral **liquid media (fluid group 2)**
- With external or internal spindle
- Housing material: gray cast iron EN-GJL-250

Connection:

DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300

Temperature:

-10°C to 150°C

Pressure:

up to 10.0 bar

Design:

Wedge Gate Valve (flat form)

Housing material:

Gray cast iron 0.6025 / EN-GJL-250

Spindle material:

Stainless steel 1.4021 / AISI 420

Spindle:

External & rising or internal & non-rising

Nominal pressure

PN10

Wedge material:

DN40 – DN100: Carbon steel + stainless steel 1.4307 / 304L

DN125 – DN300: Gray cast iron 0.6025 / EN-GJL-250

Handwheel material:

Cast iron 0.6025 / EN-GJL-250

Handwheel:

Non-rising

Seal:

Fasit 205

Installation:

In horizontal pipes, spindle pointing vertically upwards

Remarks:

Phenolic oil resin coated with zinc phosphate and exterior paint gray RAL7011

Fitting in accordance with PED 2014/68/EU

Final inspection in accordance with DIN EN 12266, leakage rate A

Strength-water PN*1.5; tightness in seat-water PN*1.1

Overall length:

According to DIN EN 558-1 basic series 14

Flange dimensions:

According to DIN EN 1092-2

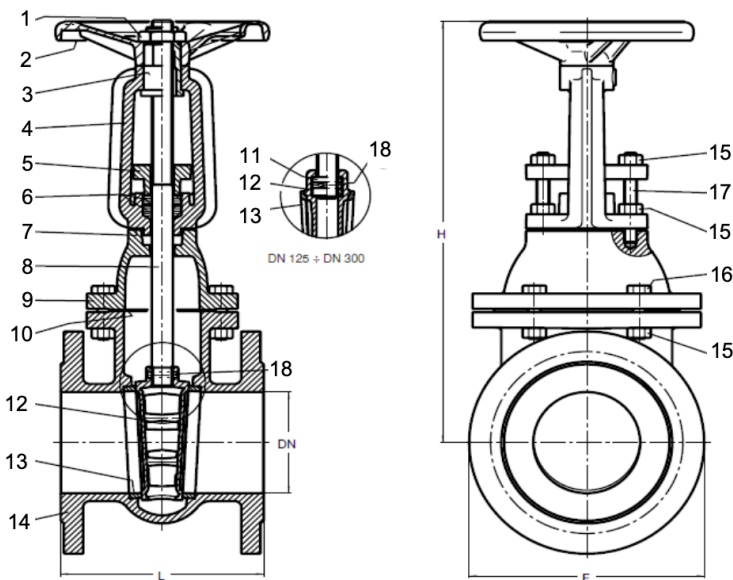
Sealing strip:

According to DIN EN 1092-2 Type B

Pressure-temperature correlation:

Intermediate values of the maximum permissible operating pressures may be calculated by linear interpolation between the nearest lower and higher temperature values.

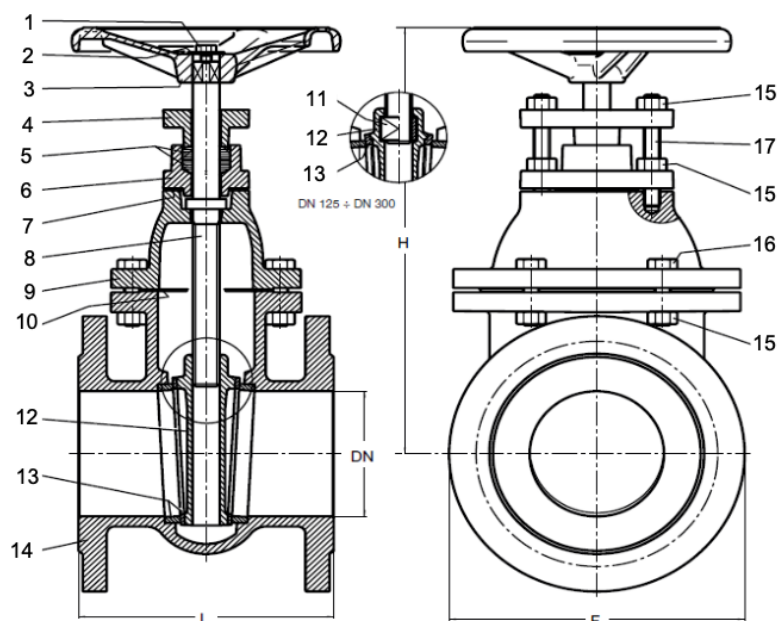
According to DIN EN 1092-2	-10°C	20	120°C	150°C
Gray cast iron 0.6025	10 bar	10 bar	10 bar	8 bar

Materials:**Version with external spindle:**

Item	Designation	Material
1	Lock nut	Brass CW614N
2	Handwheel	Gray cast iron 0.6025 / EN-GJL-
3	Screw nut	Cast brass CB 754-S GM
4	Bracket	Gray cast iron 0.6025 / EN-GJL-
5	Gland	Cast iron 0.6025 / EN-GJL-250
6	Packing	PTFE
7	Gasket	Fasit 205 asbestos-free
8	Spindle	Stainless steel AISI 410
9	Housing cover	Gray cast iron 0.6025 / EN-GJL-
10	Seal	Fasit 205 asbestos-free
11	Screw nut	Carbon steel A105
12	Wedge (DN40 – DN100)	Carbon steel A105 + Stainless steel 1.4307 / AISI
12	Wedge (DN125 –	Gray cast iron 0.6025 / EN-GJL-
13	Seat	Stainless steel 1.4307 / AISI
14	Housing	Gray cast iron 0.6025 / EN-GJL-
15	Screw	Galvanized 8.8 carbon steel
16	Screw	Galvanized 8.8 carbon steel
17	Long thread	Galvanized 8.8 carbon steel
18	Pin	Stainless steel 1.4401 / AISI 316

Dimensions:**Version with external spindle:**

	DN	40	50	65	80	100	125	150	200	250	300
PN10	PN	10	10	10	10	10	10	10	10	10	10
	F	150	165	185	200	220	250	285	340	395	445
	L	140	150	170	180	190	200	210	230	250	270
	H	265	275	335	355	400	495	585	700	830	960
	Ø Handwheel	150	150	175	175	200	200	225	225	250	300
	Rotations (open/close)	10	12.5	16	20	25	25	30	40	50	60
	Nm	30	30	35	35	40	45	45	60	65	70
	Kvs value	107	250	430	790	1250	1960	2790	2880	4306	6380
	Weight kg	10	12	16	20	28	33	43	72	100	134

Materials:**Version with internal spindle:**

Item	Designation	Material
1	Screw	Galvanized 8.8 carbon steel
2	Washer	Galvanized carbon steel
3	Handwheel	Gray cast iron 0.6025 / EN-GJL-
4	Gland	Gray cast iron 0.6025 / EN-GJL-
5	Pack	PTFE
6	Gland	Gray cast iron 0.6025 / EN-GJL-
7	Seal	Fasit 205 asbestos-free
8	Spindle	Stainless steel AISI 410
9	Housing cover	Gray cast iron 0.6025 / EN-GJL-
10	Seal	Fasit 205 asbestos-free
11	Screw nut	Carbon steel A105
12	Wedge (DN40 – DN100)	Carbon steel A105 + Stainless steel 1.4307 / AISI
12	Wedge (DN125 –	Grey cast iron 0.6025 / EN-GJL-
13	Seat	Stainless steel 1.4307 / AISI
14	Housing	Gray cast iron 0.6025 / EN-GJL-
15	Screw	Galvanized 8.8 carbon steel
16	Screw	Galvanized 8.8 carbon steel
17	Long thread	Galvanized 8.8 carbon steel

Dimensions:**Version with internal spindle:**

	DN	40	50	65	80	100	125	150	200	250	300
PN10	PN	10	10	10	10	10	10	10	10	10	10
	F	150	165	185	200	220	250	285	340	395	445
	L	140	150	170	180	190	200	210	230	250	270
	H	230	245	290	315	355	415	460	545	635	725
	Ø Handwheel	125	150	175	175	200	200	225	225	250	300
	Rotations (open/close)	10	12.5	16	20	25	25	30	40	50	60
	Nm	30	30	35	35	40	45	45	60	65	70
	Kvs value	107	250	430	790	1250	1960	2790	2880	4306	6380
	Weight kg	9	11	15	18	22	31	40	60	85	135

Options (on request):

- Epoxy coating
- Version with nominal pressure PN16

Item number:

Design	Pressure rating	Material	Connection	Spindle	Size
AS06 – Flat gate valve	0 – PN10	0 – Gray cast iron 0.6025	0 – Flange	0 – External 1 – internal	07 – DN40 08 – DN50 09 – DN65 10 – DN80 11 – DN100 12 – DN125 13 – DN150 14 – DN200 15 – DN250 16 – DN300

Example No. AS06000012

AS06	0	0	0	0	12
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Flat slide valve made of gray cast iron
Pressure rating: PN10
Material: Gray cast iron 0.6025
Connection: Flange
Spindle: external
Size: DN125

Illustration similar, subject to technical and dimensional changes.