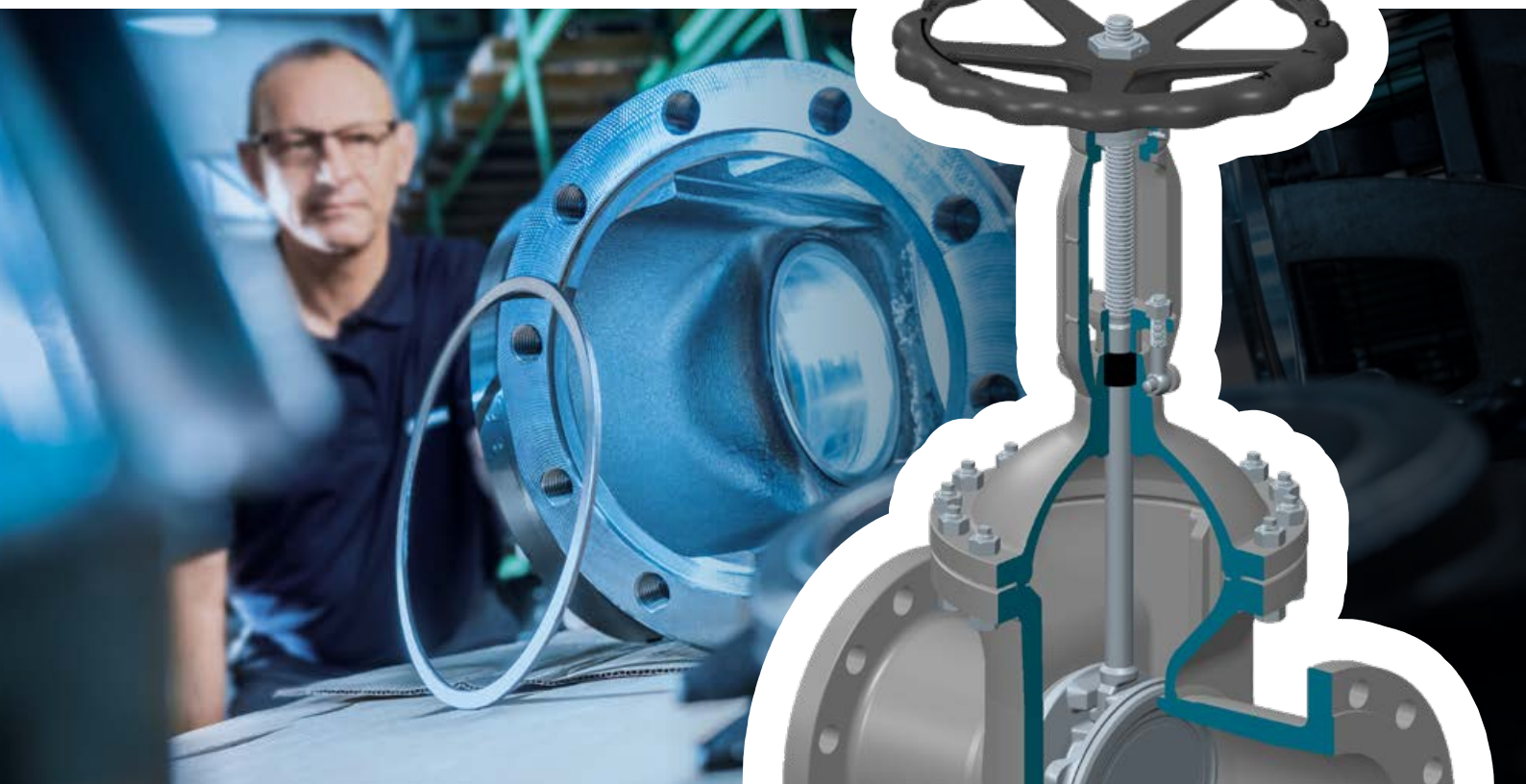




GATE VALVE

700 HJ/JJ (GA) PN 10-40 DN 200-250

Design highlights

- Forged body and bonnet
- Integral seat, hardness of approx. 35–37 HRC
- Bolted bonnet with expansion bolts
- Full bore
- Non-rotating, rising, roll-polished stem
- GA version: rotating non-rising stem
- Suitable for retrofitting of electric actuators

Advantages

- Homogeneous joining, free of pores and cavities compared to cast steel, sturdy and heavy duty
- High wear resistance, long-term seat impermeability
- Improved flow characteristics and low pressure drop
- No constriction in seat
- Minimum packing wear
- Advantageous in small spaces
- Conversion kit can be installed without welding

Version

- Split wedge design = version JJ
- Flexible wedge design = version HJ
- Body and bonnet forged
- Body with full bore
- External stem thread
- Non-rotating, rising stem
- Needle bearing yoke sleeve
- Available with flanged and butt-weld connections

GA version option

- Flexible wedge gate / flexible wedge design
- Internal stem thread
- Rotating, non-rising stem

Operating data

- Operating pressure, welded ends, up to 40 bar (DIN 2401)
- Operating pressure, flange ends, up to 40 bar (DIN 2401)
- Operating temperature up to 400 °C

Materials

- 1.0460
- 1.0571

Other materials available on request.

Flow medium

Depending on the choice of materials, the gate valves can be used for water, steam, gas, oil or other non-aggressive media.

Applications

In chemical, industrial and power plants.

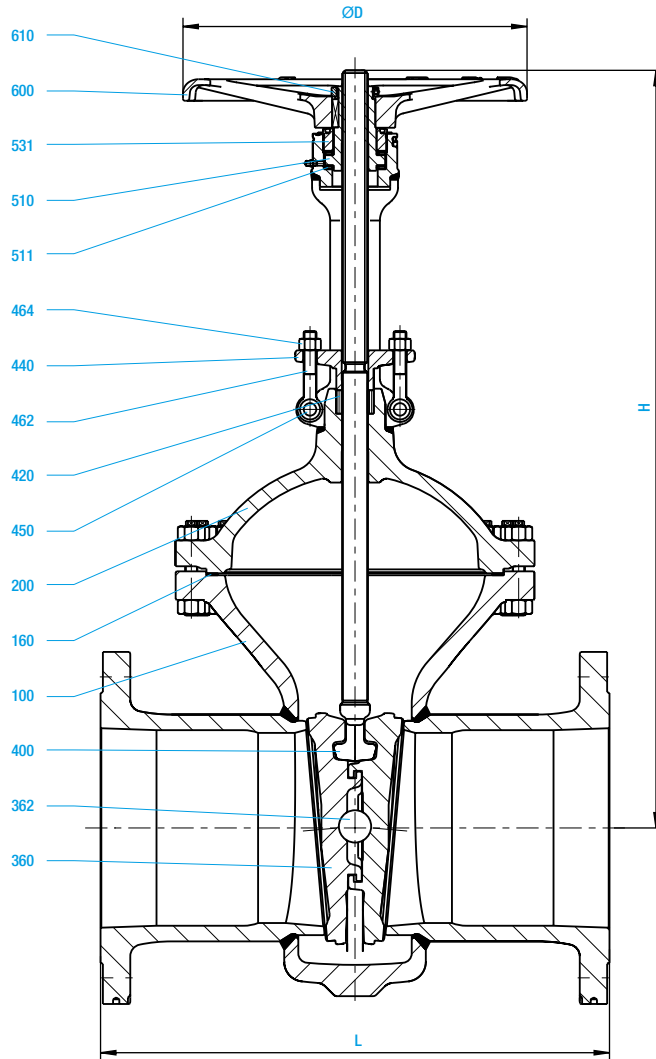
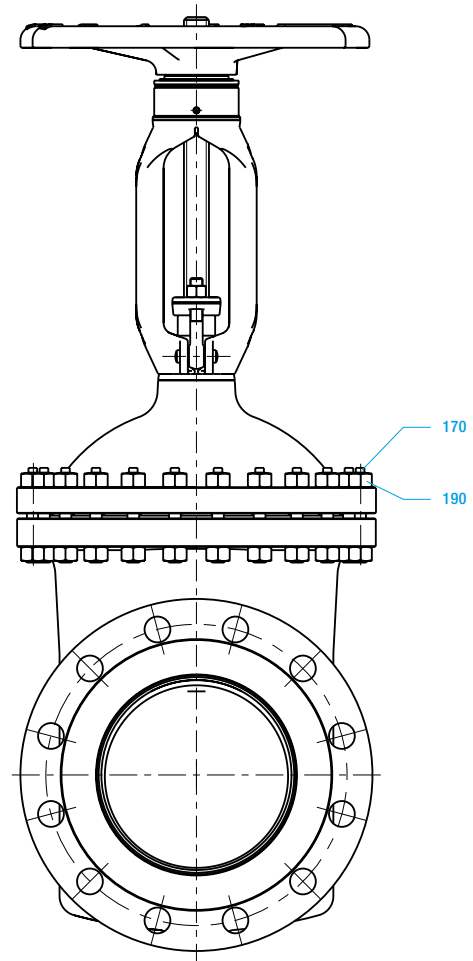
Area of application

Permissible operating pressure [bar(g)] at calculation temperature [°C] ¹⁾

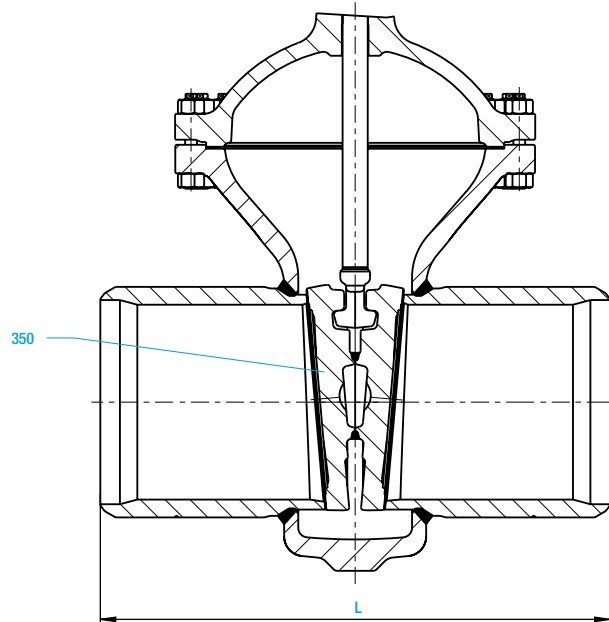
Material	PN	-60	-10	20	120	200	250	300	350	400
1.0460	16		16	16	16	14	13	11	10	8
	25		25	25	25	22	20	17	16	13
	40		40	40	40	35	32	28	24	21
1.0571	16	16	16	16	16	14	13	11		
	25	25	25	25	25	22	20	17		
	40	40	40	40	40	35	32	28		

1) Operating temperature = calculation temperature minus temperature surcharge according to the standard codes.

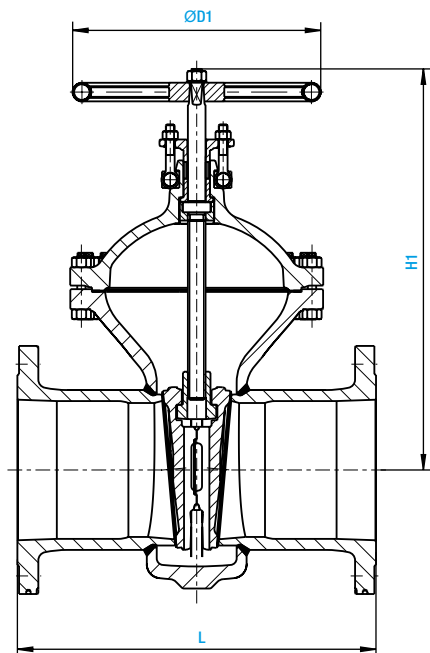
Flange version



Butt-weld end version



700 GA



Materials

Item	Designation	1.0460 (21)	1.0571 (25)
100	Body	1.0460 ¹⁾	1.0571 ¹⁾
160	Gasket	Grooved profile with graphite layer	Grooved profile with graphite layer
170	Bolt	1.1181	A4-70
190	Hexagonal nut	1.1181	A4-70
200	Bonnet	1.0460	1.0571
350	Disc	1.0460 ²⁾	1.0571 ²⁾
360	Disc	1.8507 ²⁾	1.0571 ²⁾
362	Ball	WLS _t	WLS _t
400	Stem	1.4021 ³⁾	1.4571
420	Packing	Graphite	Graphite
440	Gland flange	1.0460	1.4571
450	Pin	St	1.4571
462	Bolt	1.1181	A4-50
464	Hexagonal nut	1.1181	A4-70
510	Yoke sleeve	1.0718	1.0718
511	Needle bearing	WLS _t	WLS _t
531	Threaded connection	1.0718	1.0718
600	Handwheel	5.3106	5.3106
610	Hexagonal nut	St	St

Spare parts

- 1) Armoured with 18/8
 2) Armoured with Cr17
 3) PN 40 DN 250 = 1.4122

Other materials available on request.

Note: Only material 1.0460 available for KI gate valve 700 GA.

Dimensions/mm

	PN			10-25	40		Stroke	Rev/	10-25	40
DN	ØDS1	ØDS2	L	L	H	length	stroke	ØD	ØD	
200	185	198	400	550	810	220	46	360	450	
250	245	248	450	650	980	285	47	450	450	

Weights/kg and Kvs value m³/h

PN	10-25	40	10-25	40	Kvs
DN	Flange		Butt-weld ends		[m³/h]
200	163	191	129	142	4000
250	283	322	241	276	6247

Dimensions/mm 700 GA

	PN			10-25	40		Stroke	Rev/	10-25	40
DN	ØDS1	ØDS2	L	L	H1	length	stroke	ØD1	ØD1	
200	185	198	400	550	590	220	46	360	360	
250	245	248	450	650	725	285	47	450	450	

Weights/kg and Kvs value m³/h 700 GA

PN	10-25	40	10-25	40	Kvs
DN	Flange		Butt-weld ends		[m³/h]
200	140	170	125	125	4000
250	263	303	223	258	6247