

LPT - LPBT type parallel gate valve

Dimension range	DN 50 - 150 / NPS 2" - 6"
Pressure range	PN 25 - 160 / CLASS 300 – 900
Temperature range	- 60°C - +150°C

According to API 6D Standard, it is made with casted body, parallel closing element gate valve with soft sealing rings. The design is of rising stem with non-rising handwheel. The gate formed split closing element ensures tight closure and low actuating torque. The gate valve has low flow loss as it makes provide turbulence-free flow stream. The gate is supplied with hard chrome or nickel for the purpose of excellent wearing resistance.

The LPBT is of spring returning type, mounted with pneumatic actuator is ideal as safety closing valve.

Materials:

- ASTM A352 LCC
- ASTM A351 CF8M

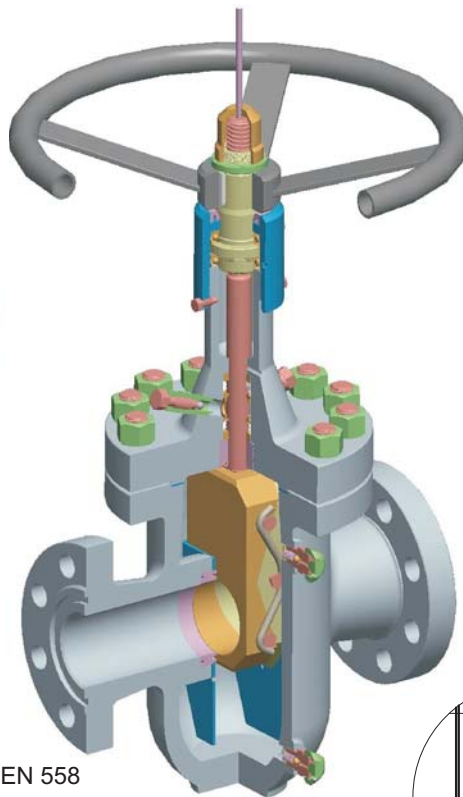


Main features:

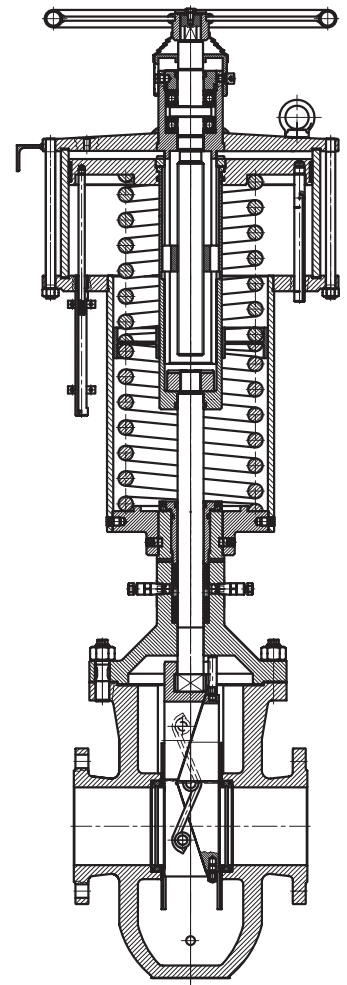
- Cast steel body and bonnet
- Rising stem design with non-rising handwheel
- Parallel, split gate
- Turbulence-free flow
- Flanged or butt welded ends

Design possibilities:

- Electric motor operation
- Pneumatic operation

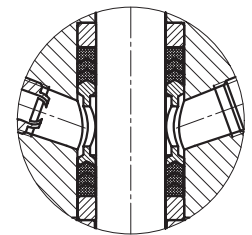
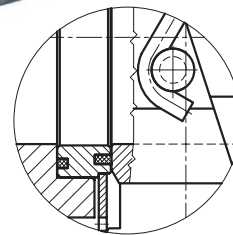


LPBT spring returning type with pneumatic actuator



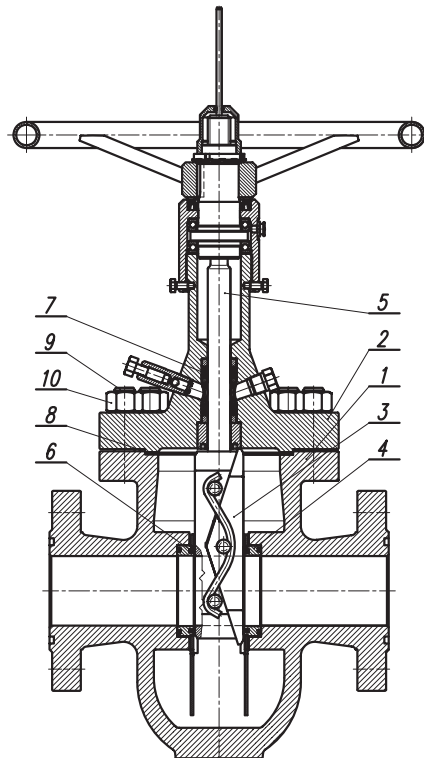
Design standards:

- Construction: API 6D / ISO 14313
- Face to face length: ASME B16.10; EN 558
- Butt welded design: ASME B16.25; EN 12627
- Flanged design: ASME B16.5; EN 1092-1; GOST 12815; GOST 12821
- Pressure test: API 6D; EN 12266-1



List of the main components

LPT type parallel gate valve

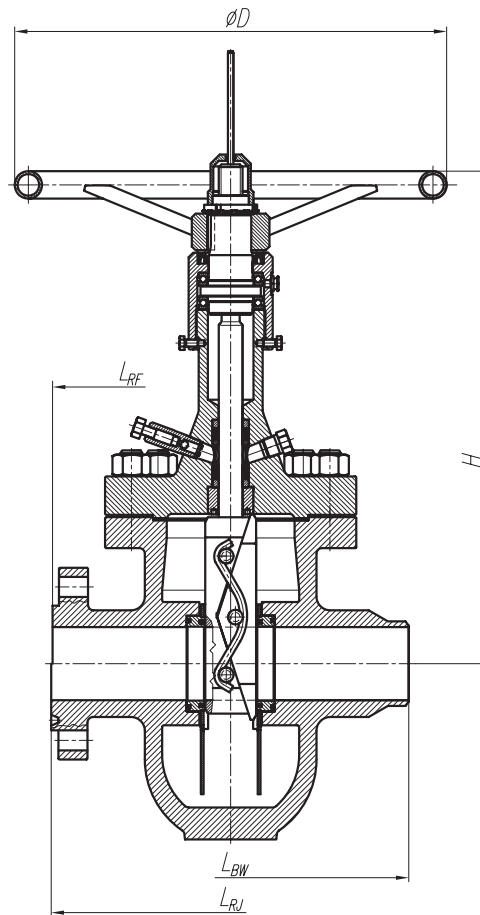


N°	Description	Standard design	Corrosive resistant design
		T= -46°C ~ +150°C	T= -60°C ~ +150°C
1	Body	ASTM A352 LCC	ASTM A351 CF8M
2	Bonnet	ASTM A352 LCC	ASTM A351 CF8M
3	Wedge	ASTM A350 LF2 +ENP/HCr	ASTM A182 316(L) +ENP/HCr
4	Seat ring	ASTM A350 LF2 +ENP	ASTM A276 316(L)
5	Stem	ASTM A276 410	ASTM A276 316(L)
6	Packing ring	PTFE DEVLON-V PEEK	PTFE DEVLON-V PEEK
7	Gland packing	Grafit / PTFE	Grafit / PTFE
8	Body-bonnet sealing	Spiral Wound 316L+Grafit	Spiral Wound 316L+Grafit
9	Stud bolt	ASTM A320 L7	ASTM A193 B8M Cl.2
10	Nut	ASTM A194 Gr.4	ASTM A194 8M

- ENP = Electroless Nickel Plating
- HCr = Hard Chromium Plating
- For other mediums, orders on material quality is based on temperature.

Chart of dimensions

LPT type parallel gate valve
ANSI



CLASS 300

NPS	L _{RF} (mm)	L _{RJ} (mm)	L _{BW} (mm)	ØD (mm)	H (mm)
2"	216	232	216	320	440
2 1/2"	241	257	241	320	495
3"	283	298	283	370	540
4"	305	321	305	420	623
6"	403	419	403	470	774

CLASS 600

NPS	L _{RF} (mm)	L _{RJ} (mm)	L _{BW} (mm)	ØD (mm)	H (mm)
2"	292	295	292	370	440
2 1/2"	330	333	330	370	495
3"	356	359	356	420	540
4"	432	435	432	470	623
6"	559	562	559	400*	774

* With drive gear

CLASS 900

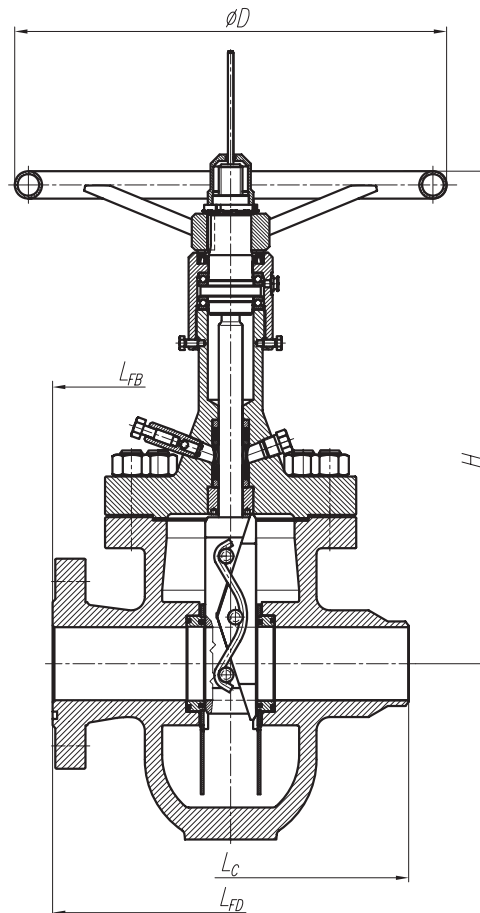
NPS	L _{RF} (mm)	L _{RJ} (mm)	L _{BW} (mm)	ØD (mm)	H (mm)
2"	368	371	368	370	440
2 1/2"	419	422	419	420	495
3"	381	384	381	470	540
4"	457	460	457	520	623
6"	610	613	610	400*	774

* With drive gear

Chart of dimensions

LPT type parallel gate valve

EN



PN 25; PN 40

DN	L _{FB} ; L _{FD} (mm)	L _c (mm)	ØD (mm)	H (mm)
50	250	250	320	440
65	290	290	320	495
80	310	310	370	540
100	350	350	420	623
150	450	450	470	774

PN 63

DN	L _{FB} ; L _{FD} (mm)	L _c (mm)	ØD (mm)	H (mm)
50	250	250	320	440
65	290	290	370	495
80	310	310	420	540
100	350	350	470	623
150	450	450	520	774

PN 100

DN	L _{FB} ; L _{FD} (mm)	L _c (mm)	ØD (mm)	H (mm)
50	250	250	370	440
65	290	290	370	495
80	310	310	420	540
100	350	350	470	623
150	450	450	400*	774

* With drive gear

PN 160

DN	L _{FB} ; L _{FD} (mm)	L _c (mm)	ØD (mm)	H (mm)
50	300	300	370	440
65	360	360	420	495
80	390	390	470	540
100	450	450	520	623
150	600	600	400*	774

* With drive gear

LPT