

FORGED GATE, GLOBE & CHECK VALVE

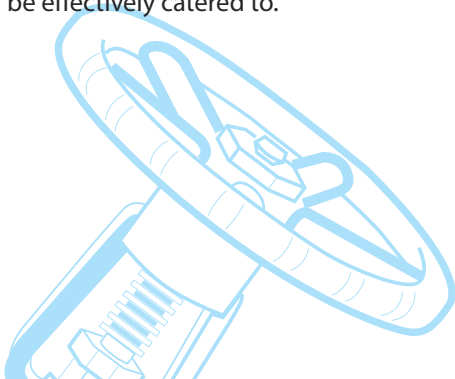


ABOUT FORGED GGC VALVES

Our range of forged Gate, Globe & Check Valves have several design features which ensure sturdy construction and consistent operation. These valves are suitable for all the segments of industry including chemical, petrochemicals, pharma, steel, food, power and utilities like water, steam etc.

Our Gate & Globe Valves can be provided with electrical actuator operation wherever required.

Available with various end connections like socket weld, butt weld, screwed & flange ends. Material requirements for special applications like sour service, oxygen service etc. can be effectively catered to.



KEY FEATURES

- Designed as per are ASME B16.34 / API 602/ IBR
- Compact and sturdy design
- Outside screw & yoke (OS & Y) construction (for gate & globe valve)
- Stronger and corrosion resistant bolting ensures long life and better sealing
- Various trim materials are available (in accordance with API 602)
- Gland packings can be replaced without removing the valve from the pipeline
- Actuated valves can be provided with pneumatic / electrical actuator
- In pressure classes #1500 and above, bonnets come in welded design
- Lift check valve can be used in horizontal as well as vertical pipelines
- Valves are available in socket weld, butt weld, screwed and welded flanged end connections

FORGED GATE VALVE



SPECIFICATIONS

Codes & Standards

● General design & mfg	API 602/ISO 15761/ASME B 16.34
● Pressure temp rating	ASME B 16.34
● Face to face dimensions	Manufacturer's standard
● Inspection and testing	API 598 / BS 12266-1
● End connections	ASME B 16.11

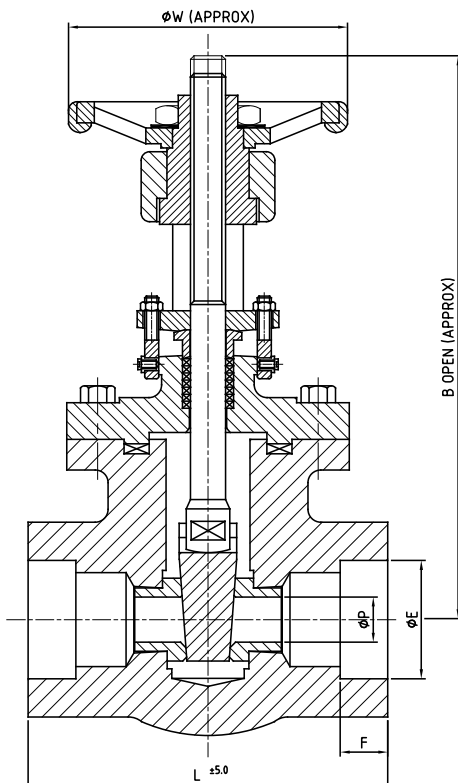
Technical Specifications

● Valve type	Outside Screw and Yoke (OS&Y), bolted/welded bonnet
● Construction type	Rising stem, non-rising handwheel, standard port
● End connection	Socket Weld, Screwed, Butt Weld and welded flanged
● Size range	DN 15 to DN 50
● Seat leakage	API 598
● Pressure class	#800, #1500, #2500, #4500
● Operation	Handwheel / Actuated (electrical/pneumatic)

Standard Material of Construction (MOC)

● Valve Body	A105/ F11. Cl.2 / F22 Cl. 3/ F91 / F304 / F 316
● Wedge	CA15 / CF8 / CF8M
● Valve Seat	SS410 / SS304 / SS316
● Stem	SS410 / SS304 / SS316

GENERAL ARRANGEMENT



Class #800

SIZE	NPS	1/2"	3/4"	1"	1 1/2"	2"
	DN	15	20	25	40	50
φP (Min)		9	12	17	28	36
L		85	90	105	127	150
B		160	175	200	270	310
φD		1/2" NPT	3/4" NPT	1" NPT	1 1/2" NPT	2" NPT
F2 (Min)		14	14	17.5	18.5	19.5
φE		22.2/21.8	27.6/27.2	34.3/33.9	49.2/48.8	61.7/61.2
F (Min)		9.5	12.5	12.5	12.5	16
φW (APRX)		100	100	105	150	150
WEIGHT~		1.8	2.4	3.2	7.0	10

Class #1500

SIZE	NPS	1/2"	3/4"	1"	1 1/2"	2"
	DN	15	20	25	40	50
φP (Min)		9	12	15	27	34
L		90	105	127	150	245
B		175	200	270	310	350
φD		1/2" NPT	3/4" NPT	1" NPT	1 1/2" NPT	2" NPT
F2 (Min)		14	14	17.5	18.5	19.5
φE		22.2/21.8	27.6/27.2	34.3/33.9	49.2/48.8	61.7/61.2
F (Min)		9.5	12.5	12.5	12.5	16
φW (APRX)		100	105	150	150	200
WEIGHT~		2.4	3.2	7.0	10	13

(All dimensions are in mm)

FORGED GLOBE VALVE



SPECIFICATIONS

Codes & Standards

● General design & mfg	API 602/ISO 15761/ASME B 16.34
● Pressure temp rating	ASME B 16.34
● Face to face dimensions	Manufacturer's standard
● Inspection and testing	API 598 / BS 12266-1
● End connections	ASME B 16.11

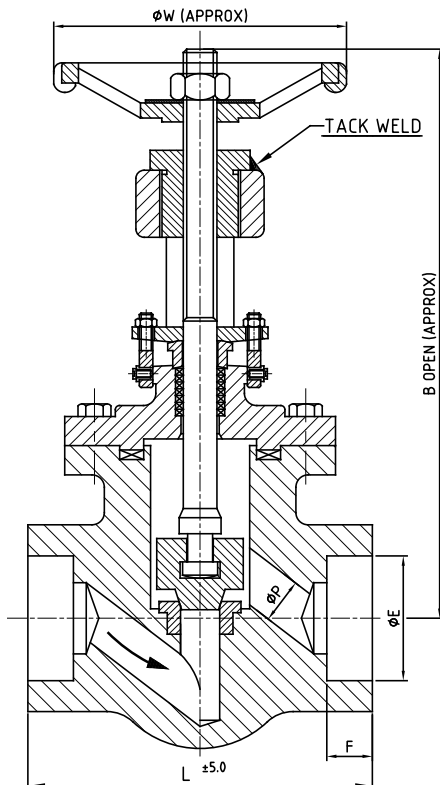
Technical Specifications

● Valve type	Outside Screw and Yoke (OS&Y), bolted/welded bonnet
● Construction type	Rising stem, rising handwheel, standard port
● End connection	Socket Weld, Screwed, Butt Weld and welded flanged
● Size range	DN 15 to DN 50
● Seat leakage	API 598
● Pressure class	#800, #1500, #2500, #4500
● Operation	Handwheel / Actuated (electrical/pneumatic)

Standard Material of Construction (MOC)

● Valve Body	A105 / F11. Cl.2 / F22 Cl. 3/ F91 / F304 / F 316
● Plug	CA15 / CF8 / CF8M
● Valve Seat	SS410 / SS304 / Ss316
● Stem	SS410 / SS304 / Ss316

GENERAL ARRANGEMENT



Class #800

SIZE	NPS	1/2"	3/4"	1"	1 1/2"	2"
	DN	15	20	25	40	50
ϕP (Min)		9	12	17	28	36
L		85	90	105	127	150
B		160	175	200	270	310
ϕD		1/2" NPT	3/4" NPT	1" NPT	1 1/2" NPT	2" NPT
F2 (Min)		14	14	17.5	18.5	19.5
ϕE		22.2/21.8	27.6/27.2	34.3/33.9	49.2/48.8	61.7/61.2
F (Min)		9.5	12.5	12.5	12.5	16
ϕW (APRX)		100	100	105	150	150
WEIGHT~		1.8	2.4	3.2	7.0	10

Class #1500

SIZE	NPS	1/2"	3/4"	1"	1 1/2"	2"
	DN	15	20	25	40	50
ϕP (Min)		8	9	14	25	27
L		90	105	127	150	245
B		175	200	270	310	350
ϕD		1/2" NPT	3/4" NPT	1" NPT	1 1/2" NPT	2" NPT
F2 (Min)		14	14	17.5	18.5	19.5
ϕE		22.2/21.8	27.6/27.2	34.3/33.9	49.2/48.8	61.7/61.2
F (Min)		9.5	12.5	12.5	12.5	16
ϕW (APRX)		100	105	150	150	200
WEIGHT~		2.4	3.2	7.0	10	13

(All dimensions are in mm)

FORGED CHECK VALVE



SPECIFICATIONS

Codes & Standards

• General design & mfg	API 602/ISO 15761/B 16.34
• Pressure temp rating	ASME B 16.34
• Face to face dimensions	Manufacturer's standard
• Inspection and testing	API 598 / BS 12266-1
• End connections	ASME B 16.11, ASME B 16.25

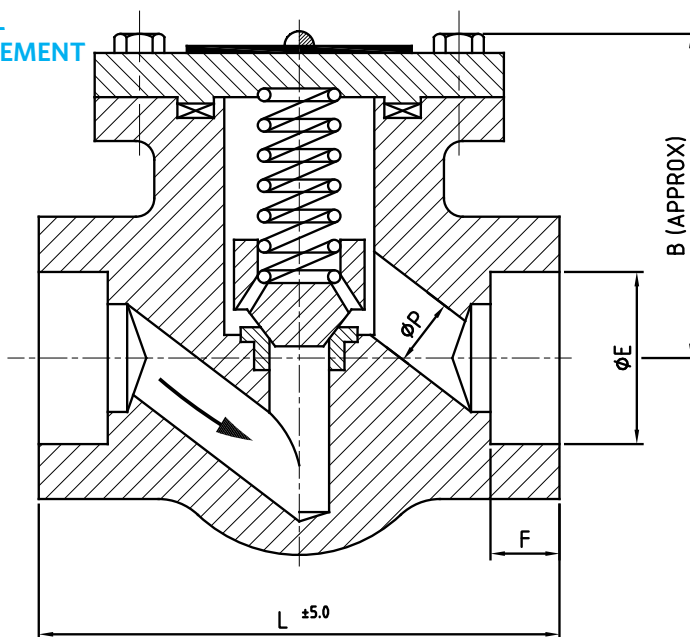
Technical Specifications

• Valve type	Forged Steel Bolted / Welded Cover
• Construction type	Standard port, Bolted / welded bonnet
• End connection	Socket Weld, Screwed, Butt Weld, welded flanged end
• Size range	DN 15 to DN 50
• Seat leakage	API 598
• Pressure rating	#800, #1500, #2500, #4500
• Operation	Self operating

Standard Material of Construction (MOC)

• Valve Body	A105 / F11. Cl.2 / F22 Cl. 3 / F91 / F304 / F 316
• Plug	CA15 / CF8 / CF8M
• Valve Seat	SS410 / SS304 / Ss316
• Spring	Ss316

GENERAL ARRANGEMENT



Class #800

SIZE	NPS	1/2"	3/4"	1"	1 1/2"	2"
	DN	15	20	25	40	50
φP (Min)		9	12	17	28	36
L		85	90	105	127	150
B		55	60	70	105	135
φD		1/2" NPT	3/4" NPT	1" NPT	1 1/2" NPT	1 1/2" NPT
F2 (Min)		14	14	17.5	18.5	18.5
φE		22.2/21.8	27.6/27.2	34.3/33.9	49.2/48.8	49.2/48.8
F (Min)		9.5	12.5	12.5	12.5	12.5
WEIGHT~		1.2	1.6	2.4	5.4	7.5

Class #1500

SIZE	NPS	1/2"	3/4"	1"	1 1/2"	2"
	DN	15	20	25	40	50
φP (Min)		8	9	14	25	27
L		90	105	127	150	245
B		60	70	105	135	150
φD		1/2" NPT	3/4" NPT	1" NPT	1 1/2" NPT	2" NPT
F2 (Min)		14	14	17.5	18.5	19.5
φE		22.2/21.8	27.6/27.2	34.3/33.9	49.2/48.8	61.7/61.2
F (Min)		9.5	12.5	12.5	12.5	16
WEIGHT~		1.6	2.4	5.4	7.5	10

(All dimensions are in mm)



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