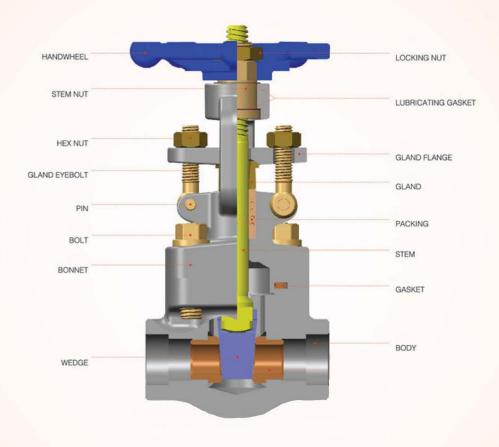


FORGED STEEL VALUES



Edmund

Gate Valve



forged steel gate valve is available in three kinds of bonnet design:

- (1) Bolted Bonnet: The body and bonnet is connected by bolts with spiral wound gasket (304+graphite) or metal rings sealed;
- (2) Welded Bonnet: The body and bonnet is screwed and sealed by welding;
- (3) Pressure Sealed Bonnet: The body and bonnet is screwed and sealed by inside pressure self-sealed ring.



FORGED STEEL GATE VALVE - Outside Screw & Yoke, Bolted Bonnet



STANDARD MATERIALS

PART NAMES	MATERIALS
BODY	NOTED
BONNET	NOTED
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
GASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Incone; Monel; Hastelloy; etc.

SPECIFICATIONS

- (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) Valve Size: 1/2"~4" (3) Applicable Rating: Class 150LB ~ 1500LB
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- ★ End Connection: Threaded, Socket-Welded or Butt-Welded
- * Outside Screw & Yoke, Bolted Bonnet * Reduce Bore / Full Bore
- * Rising Stem / Non-Rising Handwheel



	PRES	SURE TEST (A105)		
	SHELL (psig) BACKSEAT (psig)		SEAT (psig)	
CLASS	WATER	WATER	AIR	WATER
150LB	450	325	90	-
300LB	1125	825		-
600LB	2225	1650		-
800LB	2975	2175		-
900LB	3350	2450		-
1500LB	5575	4100		-

FORGED STEEL GATE VALVE - Outside Screw & Yoke, Welded Bonnet



STANDARD MATERIALS

PART NAMES	MATERIALS
BODY	NOTE®
BONNET	NOTE(1)
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410

NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.

- (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) Valve Size: 1/2*--4* (3) Applicable Rating: Class 150LB -- 2500LB
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- ★ End Connection: Threaded, Socket-Welded or Butt-Welded
- ★ Outside Screw & Yoke, Welded Bonnet ★ Reduce Bore / Full Bore
- * Rising Stem / Non-Rising Handwheel



	SHELL (psig)	BACKSEAT (psig)	SEAT	(psig)
CLASS	WATER	WATER	AIR	WATER
150LB	450	325	90	-
300LB	1125	825		-
600LB	2225	1650		-
800LB	2975	2175		-
900L8	3350	2450		-
1500LB	5575	4100		-
2500LB	9275	6800	-	6800

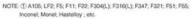


FORGED STEEL GATE VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE
BONNET	NOTE(1)
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
R-RING	304 SS
HANDWHEEI	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410



SPECIFICATIONS

- (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) Valve Size: 1/2'-4' (3) Applicable Rating: Class 1500LB 2500LB
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- * End Connection: Threaded, Socket-Welded or Butt-Welded
- * Outside Screw & Yoke, Bolted Bonnet * Reduce Bore / Full Bore
- * Rising Stem / Non-Rising Handwheel



	Miles	SURE TEST (A105)		
	SHELL (psig)	BACKSEAT (psig)	SEAT	(psig)
CLASS	WATER	WATER	AIR	WATE
1500LB	5575	4100	90	-
2500LB	9275	6800		6800

FORGED STEEL GATE VALVE - Outside Screw & Yoke, Pressure-Seal Bonnet

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE(1)
BONNET	NOTE(1)
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
P.S SEAT	304 SS
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.

SPECIFICATIONS

- (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25
- (3)Applicable Rating: Class 1500LB ~ 2500LB (2) Valve Size: 1/2"--4"
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- * End Connection: Threaded, Socket-Welded or Butt-Welded
- * Outside Screw & Yoke, Pressure-Seal Bonnet
- * Reduce Bore / Full Bore
- * Rising Stem / Non-Rising Handwheel



	PHES	SURE TEST (A105))	
	SHELL (psig)	BACKSEAT (psig)	SEAT	(psig)
CLASS	WATER	WATER	AIR	WATER
1500LB	5575	4100	90	-
2500LB	9275	6800	-	6800

FORGED STEEL FLANGED GATE VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE(1)
BONNET	NOTE(1)
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
GASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.

SPECIFICATIONS

- (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (2) Valve Size: 1/2'~4" (3) Applicable Rating: Class 150LB ~ 1500LB
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- * End Connection: Flanged Type
- * Outside Screw & Yoke, Bolted Bonnet * Reduce Bore
- * Rising Stem / Non-Rising Handwheel



	PRES	SURE TEST (A105))	
	SHELL (psig) BACKSEAT (psig)		SEAT (psig)	
CLASS	WATER	WATER	AIR	WATE
150LB	450	325		-
300LB	1125	825		-
600LB	2225	1650		-
800LB	2975	2175	90	-
900LB	3350	2450		-
1500LB	5575	4100		

FORGED STEEL FLANGED GATE VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE(I)
BONNET	NOTE:D
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
GASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconet; Monel; Hastelloy; etc.

- (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 150LB ~ 1500LB
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- * End Connection: Flanged Type
- ★ Outside Screw & Yoke, Bolted Bonnet ★Reduce Bore
- * Rising Stem / Non-Rising Handwheel



	PRES	SURE TEST (A105)		
- C - C - C - C - C - C - C - C - C - C	SHELL (psig)	BACKSEAT (psig)	SEAT (psig)	
CLASS	WATER	WATER	AIR	WATER
50LB	450	325	90	
800LB	1125	825		-
00LB	2225	1650		-
800LB	2975	2175		
000LB	3350	2450		-
500LB	5575	4100		-



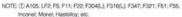


FORGED STEEL FLANGED GATE VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE(j)
BONNET	NOTE(1)
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
R-RING	304 SS
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410



SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5

(2) Valve Size: 1/2"~4" (3) Applicable Rating: Class 1500LB ~ 2500LB

(4);Temperature Rating: Up to 500°C

(5) Structure Features:

- ★ End Connection: Flanged Type
- ★ Outside Screw & Yoke, Bolted Bonnet ★ Reduce Bore
- * Rising Stern / Non-Rising Handwheel



	PRES	SURE TEST (A105)		
	SHELL (psig)	BACKSEAT (psig)	SEAT	(psig)
CLASS	WATER	WATER	AIR	WATE
1500LB	5575	4100	90	~
2500LB	9275	6800	-	6800

FORGED STEEL CRYOGENIC GATE VALVE - Outside Screw & Yoke, Bolted Bonnet



STANDARD MATERIALS

PART NAMES	MATERIALS
BODY	NOTE(1)
BONNET	NOTE(1)
SEAT	ASTM A276 304(L)/316(L)+HF
WEDGE	ASTM A276 304(L)/316(L)
STEM	ASTM A276 304(L)/316(L)
BASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 304(L)/316(L)



NOTE: (1) F304(L): F316(L).

(1) Design & Manufacture Conform to: API 602, BS6364, MSS SP-134, ASME B16.34/B16.11/B1.20.1/B16.25

(2) Valve Size: 1/2'~4" (3) Applicable Rating: Class 150LB ~ 1500LB

(4) Temperature Rating: Down to −196°C

SPECIFICATIONS

(5) Structure Features:

- ★ End Connection: Threaded, Socket-Welded or Butt-Welded
- ★ Long Extended Bonnet ★ Actuator: Handwheel ★ Pressure Relief Design (Pressure Balance Design)
- ★ Fire Safety / Anti-static Design
- * Non-Rising Handwheel

FORGED STEEL FLANGED CRYOGENIC GATE VALVE - Outside Screw & Yoke, Bolted Bonnet



STANDARD MATERIALS

PART NAMES	MATERIALS
BODY	NOTE(I)
BONNET	NOTE(1)
SEAT	ASTM A276 304(L)/316(L)+HF
WEDGE	ASTM A276 304(L)/316(L)
STEM	ASTM A276 304(L)/316(L)
BASKET	304+GRAPHITE
HANDWHEEL.	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 304(L)/316(L)



NOTE: (1) F304(L); F316(L).

SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, BS6364, MSS SP-134, ASME B16.34/B16.5

(2) Valve Size: 1/2*-4* (3) Applicable Rating: Class 150LB -- 1500LB

(4) Temperature Rating: Down to -196℃

(5) Structure Features:

- ★ End Connection: Flanged Type
- ★ Long Extended Bonnet ★ Actuator: Handwheel ★ Pressure Relief Design (Pressure Balance Design)
- * Fire Safety / Anti-static Design
- ★ Non-Rising Handwheel

FORGED STEEL BELLOWS GATE VALVE - Outside Screw & Yoke, Bolted Bonnet



STANDARD MATERIALS

PART NAMES	MATERIALS
BODY	NOTE(I)
BONNET	NOTED
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
GASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410
BELLOWS	ASTM A240 316



NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.

- (1) Design & Manufacture Conform to: API 602, MSS-SP 117, ASME B16.34/B16.11/B1.20.1/B16.25
- (2) Valve Size: 1/2'-4"
- (3) Applicable Rating: Class 150LB ~ 800LB
- (4) Temperature Rating: Up to 500℃ (5)Bellows Test Pressure: 80 psig
- (6) Structure Features:
- * End Connection: Threaded, Socket-Welded or Butt-Welded
- ★ Outside Screw & Yoke, Bolted Bonnet ★ Reduce Bore ★ Rising Stem / Non-Rising Handwheel

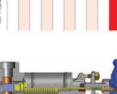


FORGED STEEL BELLOWS GATE VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTES
BONNET	NOTED
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410
BELLOWS	ASTM A240 316



NOTE: (1) A105; LF2: F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Incoret: Monet; Hastelloy; etc.

(1) Design & Manufacture Conform to: API 602, MSS-SP 117, ASME B16.34/B16.11/B1.20.1/B16.25

SPECIFICATIONS

(4) Temperature Rating: Up to 500°C (5) Bellows Test Pressure: 80 psig (2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 150LB ~ 800LB

(6) Structure Features:

- ★ End Connection: Threaded, Socket-Welded or Butt-Welded
- ★ Outside Screw & Yoke, Bolted Bonnet ★ Reduce Bore ★ Rising Stem / Non-Rising Handwheel

FORGED STEEL FLANGED BELLOWS GATE VALVE - Outside Screw & Yoke, Boited Bonnet

STANDARD MATERIALS

PART NAMES	MATERIALS
BODY	(Daton
BONNET	NOTES
SEAT	ASTM A276 410+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
SASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410
BELLOWS	ASTM A240 316

NOTE (I) A105; LF2, F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Incorat; Monet; Hastelloy; etc.



SPECIFICATIONS

(2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 602, MSS-SP 117, ASME B16.34/B16.5 (3) Applicable Rating: Class 150LB ~ 600LB

(4) Temperature Rating: Up to 500°C (5) Bellows Test Pressure: 80 psig

(6) Structure Features:

- ★ End Connection: Flanged Type
- * Outside Screw & Yoke, Bolted Bonnet * Reduce Bore *Rising Stern / Non-Rising Handwheel

FORGED STEEL EXTENDED GATE VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS



PART NAMES	MATERIALS	
BODY	NOTES	
BONNET	NOTEC	
SEAT	ASTM A276 410+HF	
WEDGE	ASTM A276 420	
STEM	ASTM A276 410	
SASKET	304+GRAPHITE	
HANDWHEEL	ASTM A197	
PACKING	GRAPHITE	
GLAND	ASTM A276 410	

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F318(L); F347; F321; F51; F55; Incornel; Monet

SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, API 606, ASME B16.34/B16.11/B1.20.1

(2) Valve Size: 1/2"~4"

(3) Applicable Rating: Class 800LB - 1500LB

(4) 温度等级 Temperature Rating: Up to 500℃

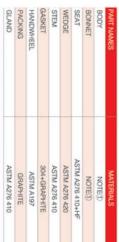
(5) Structure Features:

★ End Connection: Threaded or Socket-Welded Type ★ Outside Screw & Yoke, Bolted Bonnet

★ Reduce Bore / Full Bore ★ Rising Stem / Non-Rising Handwheel

FORGED STEEL RELEASING MEDIA VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS



NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconet Monet

SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, ASME B16.34/B16.11/B1.20.1/B16.5

(2) Valve Size: 1/2"-4"

(3) Applicable Rating: Class 800LB ~ 1500LB

(4) Temperature Rating: Up to 500°C

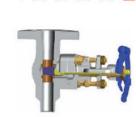
(5) Structure Features:

★ End Connection: Threaded or Socket-Welded Type Butt-Welded or Flanged Type

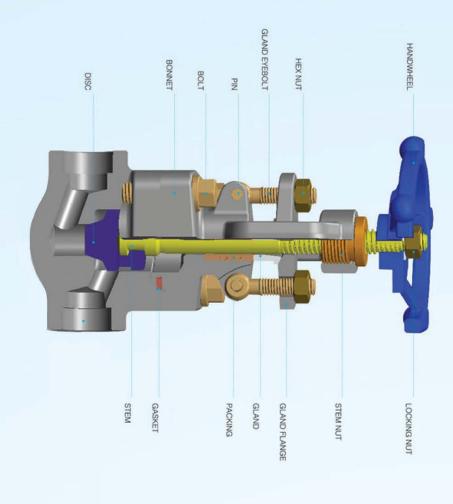
★ Outside Screw & Yoke, Bolted Bonnet ★ Reduce Bore / Full Bore

★ Rising Stem / Non-Rising Handwheel





Globe Valve



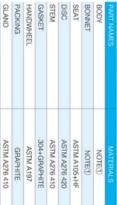
forged steel globe valve is available in three kinds of bonnet design:

- (1) Bolted Bonnet: The body and bonnet is connected by boits with spiral wound gasket (304+graphite) or metal rings sealed:
- (2) Welded Bonnet: The body and bonnet is screwed and sealed by welding;
- (3) Pressure Sealed Bonnet: The body and bonnet is screwed and sealed by inside pressure self-sealed ring.

FORGED STEEL GLOBE VALVE - Outside Screw & Yoke, Bolted Bonnet

VALVE COMPANY (1965) LTD Edmund

STANDARD MATERIALS



NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.

SPECIFICATIONS

(2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 150LB - 1500LB

600LB

2225

325 825 1650 2175 2450

5575

4100 2175 1650

2450

150LB 300LB 1125

450

8 338 WATER

WATER

AIR WATER

SHELL (psig) BACKSEAT (psig) SEAT (psig)

- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- ★ End Connection: Threaded, Socket-Welded or Butt-Welded
- ★ Outside Screw & Yoke, Botted Bonnet ★Reduce Bore / Full Bore
- * Non-Rising Stern / Rising Handwheel



(1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25

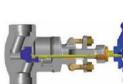
FORGED STEEL GLOBE VALVE - Outside Screw & Yoke, Welded Bonnet

STANDARD MATERIALS

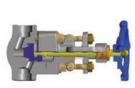


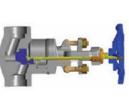
ASTM A276 410	GLAND
GRAPHITE	PACKING
ASTM A197	HANDWHEEL
ASTM A276 410	STEM
ASTM A276 420	DISC
ASTM A105+HF	SEAT
NOTEC	BONNET
NOTEC	BODY
MATERIALS	PART NAMES

- (2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 150LB ~ 1500LB (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- ★ End Connection:Threaded, Socket-Welded or Butt-Welded
- ★Outside Screw & Yoke, Welded Bonnet ★ Reduce Bore / Full Bore
- ★ Non-Rising Stem / Rising Handwheel



			l	ı
	SHELL (psig)	SHELL (psig) BACKSEAT (psig)	SEAT (psig)	(psi
CLASS	WATER	WATER	AIR	WATE
150LB	450	325		325
300LB	1125	825		828
800LB	2225	1650		1650
800LB	2975	2175	ī	2175
900LB	3350	2450		2450
1500LB	5575	4100		4100
				19







FORGED STEEL Y-GLOBE VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS

PART NAMES	MATERIALS
BODY	NOTEC
BONNET	NOTES
SEAT	ASTM A105+HF
DISC	ASTM A276 420
STEM	ASTM A276 410
GASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410

Inconet; Monet; Hast	NOTE: (1) A105; LF2; F5; F1
telloy; etc.	11; F22; F304(L); F316(L); I
	F347; F321; F51; F55;

SPECIFICATIONS

- (2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 602, BSS352, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 150LB ~ 1500LB
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- ◆ Outside Screw & Yoke, Bolted Bonnet ★Reduce Bore / Full Bore ★End Connection: Threaded, Socket-Welded or Butt-Welded
- ★ Non-Rising Stern / Rising Handwheel

FORGED STEEL Y-GLOBE VALVE - Outside Screw & Yoke, Welded Bonnet

STANDARD MATERIALS

2	SHELL (psig)	BACKSEAT (psig)	SEAT	SEAT (psig)
CLASS	WATER	WATER	AIR	WATE
150LB	450	325		325
300LB	1125	825		828
8,000	2225	1650		166
800LB	2975	2175		2175
900LB	3350	2450		2450
1500LB	5575	4100		4100

FORGED STEEL GLOBE VALVE - Outside Screw & Yoke, Bolted Bonnet

VALVE COMPANY (1965) LTD Edmund

STANDARD MATERIALS



NAMES	MATERIALS
AC	CETON
NET	Calon
~	ASTM A105+HF
	ASTM A276 420
4	ASTM A276 410
NG	304SS
DWHEEL	ASTM A197
KING	GRAPHITE
NO	ASTM A276 410

NOTE: (3) A 105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; F56; Inconet Monet: Hasselloy; etc.

SPECIFICATIONS

- (2) Valve Size: 1/2"-4" Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 1500LB - 2500LB
- (4) Temperature Rating: Up to 500°C

CLASS

WATER 5575

WATER 6800 4100

AIR WATER 6800 4100

SHELL (psig) BACKSEAT (psig) SEAT (psig)

2500LB 9275 1500LB

- (5) Structure Features:
- ★ End Connection: Threaded, Socket-Welded or Butt-Welded ★ Outside Screw & Yoke, Bolted Bonnet
- * Reduce Bore / Full Bore
- ★ Non-Rising Stem / Rising Handwheel

FORGED STEEL GLOBE VALVE - Outside Screw & Yoke, Pressure-Seal Bonnet

SEAT BONNET

STEM HANDWHEEL

> ASTM A276 410 ASTM A276 420 ASTM A105+HF

NOTE(1) NOTE(1)

ASTM A197 GRAPHITE

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55;

ASTM A276 410

	PRES	PRESSURE TEST (A105)		
	SHELL (psig)	SHELL (psig) BACKSEAT (psig)	SEAT	SEAT (psig)
CLASS		WATER	AIR	WATER
15018	450	325		325
300LB		825		825
BOOLB		1650		1650
800018		2175	Y	2175
900LB	3350	2450		2450
1500LB		4100		4100
2500LB	9275	6800		6800

(5) Structure Features: (4) Temperature Rating: Up to 500°C (2) Valve Size: 1/2"-4"

★ Non-Rising Stem / Rising Handwheel

★ Outside Screw & Yoke, Welded Bonnet ★Reduce Bore / Full Bore ★. End Connection: Threaded, Socket-Welded or Butt-Welded (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25

(3) Applicable Rating: Class 150LB ~ 2500LB

SPECIFICATIONS

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE®
BONNET	NOTEG
SEAT	ASTM A105+HF
DISC	ASTM A276 420
STEM	ASTM A276 410
P.S SEAT	304SS
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410

Inconet; Monet; Hastelloy; etc.	NOTE: (1) A105; LF2: F5; F11; F22; F304(L); F316(L); F347; F321; F51; I
	1; F55;

SPECIFICATIONS

- (2) Valve Size: 1/2*~4* (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 1500LB ~ 2500LB
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- * Reduce Bore

★ Outside Screw & Yoke, Pressure-Seal Bonnet

★ End Connection: Threaded, Socket-Welded or Butt-Welded



6800		6800	9275	2500LB
4100	è	4100	5575	1500LB
WATER	AIR	WATER	WATER	00000
(psig)	SEAT (psig	HELL (psig) BACKSEAT (psig)	SHELL (psig)	000

Stern /	e/Full
Rising	Bore
Handwheel	

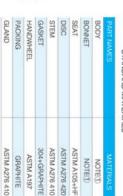




VALVE COMPANY (1965) LTD Edmund

FORGED STEEL FLANGED GLOBE VALVE - Outside Screw & Yoke, Boited Bonnet

STANDARD MATERIALS



	PRES	PRESSURE TEST (A105)		
	SHELL (psig)	BACKSEAT (psig)	SEAT (psig)	(psig)
CLASS	WATER	WATER	AIR	WATER
150LB	450	325		325
300LB	1125	85		83
800LB	2225	1650		1650
800LB	2975	2175	,	2175
800018	3350	2450		2450
1500LB	5575	4100		4100

SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, BS5352, ASME B16,34/B16.5

(2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 150LB - 1500LB

(4) Temperature Rating: Up to 500°C

(5) Structure Features:

- * End Connection: Flanged Type
- ◆ Outside Screw & Yoke, Bolted Bonnet → Reduce Bore
- ★ Non-Rising Stem / Rising Handwheel

FORGED STEEL FLANGED GLOBE VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS



ASTM A276 410	GLAND
GRAPHITE	GLAND PACKING
ASTM A197	HANDWHEEL
304+GRAPHITE	GASKET
ASTM A276 410	STEM
ASTM A276 420	DISC
ASTM A105+HF	SEAT
Calon	BONNET
Calon	BODY
MATERIALS	PART NAMES

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F56; Inconet; Monet; Hastelloy; etc.

SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5

(3) Applicable Rating: Class 150LB ~ 1500LB

(4) Temperature Rating: Up to 500°C (2) Valve Size: 1/2"-4"

(5) Structure Features:

★ End Connection: Flanged Type

★ Outside Screw & Yoke, Bolted Bonnet ★ Reduce Bore

★ Non-Rising Stem / Rising Handwheel



FORGED STEEL FLANGED GLOBE VALVE - Outside Screw & Yoke, Bolted Bonnet

VALVE COMPANY (1965) LTD Edmund

STANDARD MATERIALS



PACKING	HANDWHEEL	R-RING	STEM	DISC	SEAT	BONNET	BODY	PART NAMES
GRAPHITE	ASTM A197	304SS	ASTM A276 410	ASTM A276 420	ASTM A105+HF	NOTED	NOTEC	MATERIALS

NOTE: (1) A105; UF2: F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monet; Hastelloy; etc.

ASTM A276 410

SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, BS5352, ASME B16,34/B16.5

(2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 1500LB - 2500LB

(4) Temperature Rating: Up to 500°C

(5) Structure Features:

* Outside Screw & Yoke, Bolted Bonnet ★ Reduce Bore ★ End Connection: Flanged Type

★ Non-Rising Stem / Rising Handwheel

2500LB CLASS 1500LB SHELL (psig) BACKSEAT (psig) SEAT (psig) 9275 5575 WATER WATER 6800 4100 4100 AIR WATER

FORGED STEEL CRYOGENIC GLOBE VALVE - Outside Screw & Yoke, Boited Bonnet

BODY	(C) NOTE(3)
BONNET	Calon
SEAT	ASTM A276 304(L)/316(L)+HF
DISC	ASTM A276 304(L)/316(L)
STEM	ASTM A276 304(L)/316(L)
GASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GI AND	ASTM A276 304(L)/316(L)

NOTE (1) F304(L); F316(L).

SPECIFICATIONS

(1): Design & Manufacture Conform to: API 602, BS6364, MSS SP-134, ASME B16.34/B16.11/B1.20.1/B16.25

(3) Applicable Rating: Class 150LB -- 1500LB

(4) Temperature Rating: Down to -196°C

(2) Valve Size: 1/2"-4"

(6) Structure Features:

★ End Connection: Thresided, Socket-Welded or Butt-Welded

★ Long Extended Bonnet ★ Actuator: Handwheel ★ Pressure Relief Design (Pressure Balance Design)

★ Fire Safety / Anti--static Design ★ Rising Handwheel

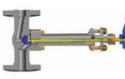






FORGED STEEL FLANGED CRYOGENIC GLOBE VALVE - Outside Screw & Yoke, Bolted Bonnet

GLAND BONNET STEM SEAT PACKING HANDWHEEL GASKET NOTE: (1) F304(L); F316(L). STANDARD MATERIALS ASTM A276 304(L)/316(L)+HF ASTM A276 304(L)/316(L) ASTM A276 304(L)/316(L) ASTM A276 304(L)/316(L) 304+GRAPHITE ASTM A197 NOTE() NOTE()



SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, BS6384, MSS SP-134, ASME B16.34/B16.5

(2) Valve Size: 1/2"-4"

(3) Applicable Rating: Class 150LB ~ 1500LB

(6) Structure Features: (4) Temperature Rating: Down to -196°C

* Actuator: Handwheel

★ Fire Safety / Anti-static Design * Long Extended Bonnet * End Connection: Flanged Type

★ Pressure Relief Design (Pressure Balance Design)

* Rising Handwheel

FORGED STEEL BELLOWS GLOBE VALVE - Outside Screw & Yoke, Bolted Bonnet



STANDARD MATERIALS

BODY	NOTE(I)
BONNET	NOTEO
SEAT	ASTM A105+HF
DISC	ASTM A276 420
STEM	ASTM A276 410
GASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	GRAPHITE
GLAND	ASTM A276 410
BELLOWS	ASTM A240 316



SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, MSS-SP 117, ASME B16.34/B16.11/B1.20.1/B16.25 (2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 150LB ~ 800LB

(4) Temperature Rating: Up to 500°C (5) Bellows Test Pressure: 80 psig

* End Connection: Threaded, Socket-Welded or Butt-Welded

(6) Structure Features:

★ Outside Screw & Yoke, Bolted Bonnet

* Reduce Bore * Rising Stem / Non-Rising Handwheel

FORGED STEEL BELLOWS GLOBE VALVE - Outside Screw & Yoke, Welded Bonnet

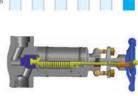
VALVE COMPANY (1965) LTD Edmund

STANDARD MATERIALS



BELLOWS	GLAND	PACKING	HANDWHEEL	GASKET	STEM	DISC	SEAT	BONNET	BODY	
ASTM A240 316	ASTM A276 410	GRAPHITE	ASTM A197	304+GRAPHITE	ASTM A276 410	ASTM A276 420	ASTM A105+HF	NOTEO	NOTE(I)	

NOTE (I) A106, UF2, F5; F11; F22, F304(L); F316(L); F347; F321; F51; F56; Inconet; Monet; Hastell



SPECIFICATIONS

(2) Valve Size: 1/2'-4" (1) Design & Manufacture Conform to: API 602, MSS-SP 117, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 150LB - 800LB

(4) Temperature Rating: Up to 500°C

(5) Bellows Test Pressure: 80 psig

(6) Structure Features:

* End Connection: Threaded, Socket-Welded or Butt-Welded

* Outside Screw & Yoke, Welded Bonnet

* Reduce Bore

* Rising Stern / Non-Rising Handwheel

FORGED STEEL FLANGED BELLOWS GLOBE VALVE - Outside Screw & Yoke, Bolted Bonnet

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	MOTEO
BONNET	NOTES
SEAT	ASTM A105+HF
WEDGE	ASTM A276 420
STEM	ASTM A276 410
ASKET	304+GRAPHITE
HANDWHEEL	ASTM A197
PACKING	304+GRAPHITE
GLAND	ASTM A276 410
BELLOWS	ASTM A240 316

NOTE: ① A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconet; Monet; Hastelloy; etc.

SPECIFICATIONS

(2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 602, MSS-SP 117, ASME B16.34/B16.5 (3) Applicable Rating: Class 150LB ~ 600LB

(4) Temperature Rating: Up to 500°C

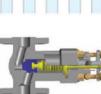
(5) Bellows Test Pressure: 80 psig

(6) Structure Features:

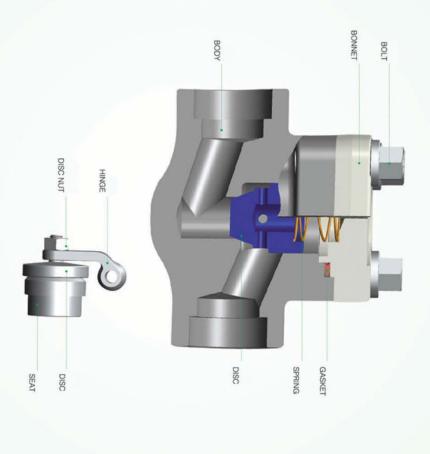
* Outside Screw & Yoke, Bolted Bannet * End Connection: Flanged Type

* Reduce Bore





Check Valve



forged steel check valve is available in three kinds of bonnet designs:

- is available on customer's request; (1) Bolted Bonnet: The body and bonnet is connected by bolts with spiral wound gasket (304+graphite) or metal rings sealed. Metal ring connected

(2) Welded Bonnet: The body and bonnet is screwed and sealed by welding;
(3) Pressure Sealed Bonnet: The body and bonnet is screwed and sealed by inside pressure self-sealed ring.
The check valves are designed with three different kinds of structure. They are Lift Check Valve, Ball Check Valve and Swing Check Valve.

FORGED STEEL LIFT CHECK VALVE - Bolted Cover



BODY	OBTON
BONNET	NOTES
SEAT	ASTM A105+HF
DISC	ASTM A276 420
GASKET	304+GRAPHITE
COVER BOLT	ASTM A193 B7

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F34

SPECIFICATIONS

(2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 602, BSS352, ASME B16.34/B16.11/B1.20.1/E (3) Applicable Rating: Class 150LB

(4) Temperature Rating: Up to 500°C

(5) Structure Features:

★ End Connection: Threaded, Socket-Welded or Butt-Welded * Reduce Bore / Full Bore

*Bolted Cover

FORGED STEEL LIFT CHECK VALVE - Welded Cover

STANDARD MATERIALS



NOTE: ① A105; LF2: F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconet; Monet; Hastelloy; etc.

ASTM A276 420 ASTM A105+HF NOTED NOTE(1)

SPECIFICATIONS

(4) Temperature Rating: Up to 500°C (5) Structure Features: (2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 150LB - 2500LB

★ End Connection: Threaded, Socket-Welded or Butt-Welded

* Welded Cover

*Reduce Bore / Full Bore



Edmund VALVE COMPANY (1965) LTD

STANDARD MATERIALS

ASTM A193 B7	COVER BOLT
304+GRAPHITE	GASKET
ASTM A276 420	DISC
ASTM A105+HF	SEAT
(Calon	BONNET
Calon	ВОДУ

			~ 1500LB	316.25				7; F321; F51; F55;	
	900LB	800LB	600LB	300LB	150LB	CONSO			
The state of the s	3350	2975	2225	1125	450	WATER		PRES	
						WATER	SHELL (psig) BACKSEAT (psig	PRESSURE TEST (A10	

					150LB		
0.000	3350	2975	2225	1125	450	WATER	ELL (psig)
						WATER	SHELL (psig) BACKSEAT (psig)
			Ē.			AIR	SEAT (psig)
	2450	2175	1650	83	325	WATER	(psig)

SHELL (psig)	PHESS	13
SHELL (psig) BACKSEAT (psig)	PRESSURE TEST (A105)	
SEAT (psi		

		PRESSURE TEST (A105)		
	SHELL (psig)	SHELL (psig) BACKSEAT (psig)	SEAT (psig)	(psig)
CLASS	WATER	WATER	AIR	WATER
150LB	450			325
300LB	1125			825
600LB	2225			1650
800LB	2975	1	1	2175
900LB	3350			2450
1500LB	5575			4100
B RUNNE	9275			6800



VALVE COMPANY (1965) LTD Edmund

FORGED STEEL LIFT CHECK VALVE - Pressure-Seal Cover

STANDARD MATERIALS



NOTE (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconet; Monet; Hastelloy; etc.

CLASS 2500LB 9275 1500LB SHELL (psig) BACKSEAT (psig) SEAT (psig) WATER 5575 WATER AIR WATER 6800 4100

SPECIFICATIONS

(2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 1500LB ~ 2500LB

(4) Temperature Rating: Up to 500°C

(5) Structure Features:

* End Connection: Threaded, Socket-Welded or Butt-Welded

★Reduce Bore / Full Bore

* Pressure-Seal Cover

FORGED STEEL LIFT CHECK VALVE - Bolted Cover

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE(I)
BONNET	NOTE(I)
SEAT	ASTM A105+HF
DISC	ASTM A276 420
R-RING	304SS
COVER BOLT	ASTM A193 B7

NOTE: (1) A105; LF2: F5; F11: F22: F304(L); F316(L); F347; F321; F51: F55; F56; Inconet: Monet: Hastelloy; etc.

SPECIFICATIONS

(2) Valve Size: 1/2"~2" (1) Design & Manufacture Conform to: API 602, BSS352, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 1500LB ~ 2500LB

(4) Temperature Rating: Up to 500°C

(5) Structure Features:

* End Connection: Threaded, Socket-Welded or Butt-Welded

1500LB 2500LB 9275

5575

WATER WATER

AIR WATER

4100

- * Boiled Cover
- * Reduce Bore / Full Bore



ÇĢ.		2
	SHELL (psig)	PRES
	BACKSEAT (psig)	SURE TEST (A105)
	SEAT (psig)	

FORGED STEEL BALL CHECK VALVE - Bolted Cover

VALVE COMPANY (1965) LTD Edmund

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE®
BONNET	NOTE()
SEAT	ASTM A105+HF
BALL	ASTM A276 316
GASKET	304+GRAPHITE
COVER BOLT	ASTM A193 B7

NOTE: ③ A105; UP2; F6; F11; F22; F304(L); F316(L); F347; F321; F51; F56; Inconet; Monet; Hastelloy; etc.

SHELL (psig) BACKSEAT (psig) SEAT (psig)

WATER

WATER

AIR WATER

450

SPECIFICATIONS

Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25

(2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 150LB - 1500LB

600LB 800LB 2975

2225 3350

325 825 1650 2175 2450

5575

300LB 1125 150LB

(4) Temperature Rating: Up to 500°C

(5) Structure Features: * End Connection: Threaded, Socket-Welded or Butt-Welded

* Bolted Cover ★Reduce Bore / Full Bore

FORGED STEEL Y-CHECK VALVE - Bolted Cover

STANDARD MATERIALS

PART NAMES	MATERIALS
BODY	NOTE
BONNET	NOTE
SEAT	ASTM A105+HF
DISC	ASTM A276 420
GASKET	304+GRAPHITE
COVER BOILT	ASTM A193 B7

NOTE: (1) A105; UF2, F5; F11; F22; F304(L); F316(L); F347; F321; F51; F56;

SPECIFICATIONS

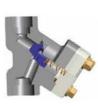
(1) Design & Manufacture Conform to: API 602, BS5362, ASME B16.34/B16.11/B1.20.1/B16.25

(2) Valve Size: 1/2"-4" (3), Applicable Rating: Class 150LB - 1500LB

(4) Temperature Rating: Up to 500°C (5) Structure Features:

* End Connection: Threaded, Socket-Welded or Butt-Welded

* Bolted Cover * Reduce Bore / Full Bore



				ı
	SHELL (psig)	SHELL (psig) BACKSEAT (psig)	SEAT (psig)	(psig)
CLASS	WATER	WATER	AIR	WATER
1501.8	450			325
300LB	1125			828
BT009	2225			1650
80018	2975	,	1	2175
81006	3350			2450
1500LB	5575			4100



Edmund VALVE COMPANY (1965) LTD

FORGED STEEL Y-CHECK VALVE - Welded Cover

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE(I)
BONNET	NOTE(I)
SEAT	ASTM A105+HF
DISC	ASTM A276 420

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconet; Monet: Hastelloy; etc.

SPECIFICATIONS



- (5) Structure Features: ★ End Connection: Threaded, Socket-Weided or Butt-Weided
- * Welded Cover
- * Reduce Bare / Full Bare

FORGED STEEL Y-TYPE STRAINER VALVE - Bolted Cover

STANDARD MATERIALS



	PHES	HESSURE TEST (A105		ı
	SHELL (psig)	SHELL (psig) BACKSEAT (psig)	SEAT	SEAT (psig)
CLASS	WATER	WATER	AIR	WATER
150LB	450			355
300LB	1125			85%
600LB	2225			1650
800LB	2975	1	ï	2175
80008	3350			2450
1500LB	5575			4100
2500LB	9275			6800

FORGED STEEL FLANGED LIFT CHECK VALVE - Boited Cover

VALVE COMPANY (1965) LTD Edmund

STANDARD MATERIALS



PART NAMES	MATERIALS
BODY	NOTE(I)
BONNET	NOTEO
SEAT	ASTM A105+HF
DISC	ASTM A276 420
GASKET	304+GRAPHITE
COVER BOLT	ASTM A193 B7

NOTE: ① A106; LP2; F6; F11; F22; F304(L); F316(L); F347; F321; F51; F56; Incorek; Monet: Hastelloy; etc.

SPECIFICATIONS

- (1) Design & Menufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (2) Valve Size: 1/2"~4" (3) Applicable Rating: Class 150LB - 1500LB

600LB 300LB

2225

325 825 1680 2175

CLASS

WATER WATER

AIR WATER

SHELL (psig) BACKSEAT (psig) SEAT (psig)

150LB

450

1125

- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- * Reduce Bore * End Connection: Flanged Type

* Bolted Cover

1600LB 800LB

5575

900LB

3350

2450

2975

FORGED STEEL FLANGED LIFT CHECK VALVE - Bolted Cover

STANDARD MATERIALS



GASKET

304+GRAPHITE **ASTM A193 B7**

BONNET

FILTER SCREEN COVER BOLT

ASTM A240 304

NOTE: ① A105; LF2: F6; F11; F22: F304(L); F316(L); F347; F321; F51; F55; F56; Inconel; Monel; Hastelloy; etc.

AGOB

NOTE(1) NOTED

	•	. K	24		
COVER BOLT	GASKET	DISC	SEAT	BONNET	

BODY	NOTE(I)
BONNET	(Dalon
SEAT	ASTM A105+HF
DISC	ASTM A276 420
GASKET	304+GRAPHITE
COVER BOLT	ASTM A193 B7

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55;

SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, BSS352, ASME B16.34/B16.5

(3) Applicable Rating: Class 150LB - 1500LB

(2) Valve Size: 1/2"-4"

(1) Design & Manufacture Conform to: API 602, BSS352, ASME B16.34/B16.11/B1.20.1/B16.25

(3) Applicable Rating: Class 150LB - 1500LB

CLASS

WATER

WATER

AIR WATER

450

SHELL (psig) BACKSEAT (psig) SEAT (psig)

SPECIFICATIONS

(5) Structure Features: (4) Temperature Rating: Up to 500°C

★ End Connection: Threaded, Socket-Welded or Butt-Welded

900LB 8000.8 600LB 300LB 1125 150LB

3350

5575

2225

.

* Reduce Bare / Full Bare

*Bolted Cover

- (4) Temperature Rating: Up to 500°C (2) Valve Size: 1/2"-4"
- (5) Structure Features:
- * End Connection: Flanged Type







SSA30	SHELL (psig) BACKSEAT (psig)	BACK	SEAT (psig)	SEAT
CLASS	WATER	WATER	TER	TER AIR WATER
150LB	450			
300LB	1125			
600LB	2225			
800LB	2975		,	,
900LB				
1500LB	3350			



FORGED STEEL FLANGED LIFT CHECK VALVE - Bolted Cover

STANDARD MATERIALS

PART NAMES	MATERIALS
BOOK	NOTES
BOOT	NOIEU
BONNET	CETON
SEAT	ASTM A105+HF
DISC	ASTM A276 420
R-RING	304SS
COVER BOLT	ASTM A193 B7



SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5

(2) Valve Size: 1/2*-4*

(4) Temperature Rating: Up to 500°C

(5) Structure Features:

* Reduce Bore

* End Connection: Flanged Type

2500LB 9275 1500LB SHELL (psig) BACKSEAT (psig) SEAT (psig) WATER 5575 WATER AIR WATER 6800 4100

(3) Applicable Rating: Class 1500LB ~ 2500LB * Bolted Cover

FORGED STEEL SWING CHECK VALVE - Bolted Cover

STANDARD MATERIALS





SHELL (psig) BACKSEAT (psig) SEAT (psig)

WATER

WATER

AIR

SPECIFICATIONS

(2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25

(3) Applicable Rating: Class 150LB ~ 1500LB

(5) Structure Features: (4) Temperature Rating: Up to 500°C

* End Connection:Threaded, Socket-Welded or Butt-Welded

★ Bolted Cover

*Reduce Bore / Full Bore

FORGED STEEL SWING CHECK VALVE - Bolted Cover

VALVE COMPANY (1965) LTD Edmund

STANDARD MATERIALS



PART NAMES	MATERIALS
ВОДУ	NOTED
BONNET	Calon
SEAT	ASTM A276 410+HF
DISC	ASTM A276 420
GASKET	304SS
COVER BOLT	ASTM A193 B7

NOTE:15; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F56; Inconet; Monet; Hastelloy; etc.

ROCKER

ASTM A351 CF8

SPECIFICATIONS

(2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 602, BSS352, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 1500LB - 2500LB

(5) Structure Features: (4) Temperature Rating: Up to 500°C

* Bolted Cover * End Connection: Threaded, Socket-Welded or Butt-Welded

*Reduce Bore / Full Bore



FORGED STEEL SWING CHECK VALVE - Pressure-Seal Cover

STANDARD MATERIALS



PAHI NAMES	MAIEHIALS
BODY	NOTED
BONNET	NOTEC
SEAT	ASTM A276 410+HF
DISC	ASTM A276 420
P.S SEAT	304SS
ROCKER	ASTM A351 CF8

20TE: ① A105; LF2; F5; F11; F22; F304(L); F318(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.

SPECIFICATIONS

(1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.11/B1.20.1/B16.25

(2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 1500LB - 2500LB

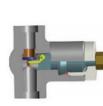
(4) Temperature Rating: Up to 500°C

(5) Structure Features:

★ End Connection: Threaded, Socket-Welded or Butt-Welded

* Pressure-Seal Cover

★Reduce Bore / Full Bore



2500LB	1500LB	6000	3	
9275	\$575	WATER	SHELL (psig)	PRES
		WATER	HELL (psig) BACKSEAT (psig)	SURE TEST (A105)
	ć	AIR	SEAT	
6800	4100	WATER	EAT (psig)	



Ball Valve

FORGED STEEL FLANGED SWING CHECK VALVE - Boited Cover

STANDARD MATERIALS

PART NAMES	MATERIALS
BODY	Calon
BONNET	Calon
SEAT	ASTM A276 410+HF
DISC	ASTM A276 420
GASKET	304+GRAPHITE
COVER BOLT	ASTM A193 B7
ROCKER	ASTM A351 CF8



SPECIFICATIONS

- (2) Valve Size: 1/2"~4" (1) Design & Manufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (3) Applicable Rating: Class 150LB ~ 1500LB
- (5) Structure Features: (4) Temperature Rating: Up to 500°C
- * End Connection: Flanged Type

* Reduce Bore

* Bolted Cover



FORGED STEEL FLANGED SWING CHECK VALVE - Boited Cover

STANDARD MATERIALS

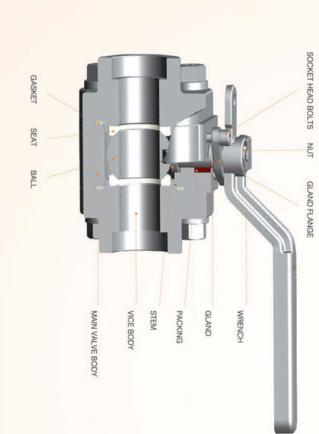


NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconet; Monet; Hastelloy; etc.

SPECIFICATIONS

- (1) Design & Menufacture Conform to: API 602, BS5352, ASME B16.34/B16.5
- (2) Valve Size: 1/2"-4" (3) Applicable Rating: Class 150LB - 1500LB
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features:
- * End Connection: Flanged Type
- ★ Reduce Bore
- * Bolted Cover
- 800LB 2225 300LB CLASS 900LB SHELL (psig) BACKSEAT (psig) SEAT (psig) 3350 5575 1125 WATER 450 WATER AJR WATER 325 825 1850 2175 2450





forged steel ball valve is available in two different kinds of structure:

- (1) 2 Piece structure: Threaded bonnet, RPTFE or PEEK sealed;
- different using conditions. (2) 3 Piece structure: Bolted bonnet, different kinds of material for seats, gaskets and packing can be chosen according to



FORGED STEEL SIDE ENTRY BALL VALVE - Free Floating Ball (3 Piece)

STANDARD MATERIALS



PART NAMES	
BODY	Calon
BONNET	NOTE(I)
SEAT	R-PTFE
BALL	ASTM A276 316
STEM	ASTM A276 316
GASKET	316+GRAPHITE
BACK SEAT GASKET	PTFE
PACKING	GRAPHITE

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconet; Monet; Hastelloy; etc.

SPECIFICATIONS

- (2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 150LB ~ 1500LB
- (4) Temperature Rating: Up to 250°C
- (5) Structure Features: ★3 Piece Body
- * End Connection: Threaded, Socket-Welded or Butt-Welded
- ★ Fire Safety Construction (API 607)

FORGED STEEL SIDE ENTRY BALL VALVE - Free Floating Ball (2 Piece)

STANDARD MATERIALS

* Manual Operating *Reduce Bore / Full Bore



	Sales	THE SOUTH I EST (ATUS)		ı
	SHELL (psig)	SHELL (psig) BACKSEAT (psig)	SEAT (psig)	(psig)
CLASS	WATER	WATER	AIR	WATER
150LB	450			335
300LB	1125			8
81009	2225		3	1650
800LB	2975		8	2175
900LB	3350			2450
1500LB	5575			4100

FORGED STEEL SIDE ENTRY BALL VALVE - Free Floating Ball (3 Piece)

VALVE COMPANY (1965) LTD Edmund

STANDARD MATERIALS



PART NAMES BODY BONNET SEAT	NOTED NOTED NOTED ASTM A276 316+STL
BONNET	(Caton
SEAT	ASTM A276 31
BALL	ASTM A276 316+STL
STEM	ASTM A276 316
GASKET	316+GRAPHITE
BACK SEAT GASKET	PTFE
PACKING	GRAPHITE
HONSEW	CARRON STEEL

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconet; Monet; Hastelloy, etc.

SPECIFICATIONS

- (2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 608, BSS351, ASME B16,34/B16,11/B1.20.1/B16.25 (3) Applicable Rating: Class 150LB - 1500LB
- (4) Temperature Rating: Up to 500°C
- (5) Structure Features: ★End Connection: Threaded, Socket-Welded or Butt-Welded *3 Piece Body
- ★ Floating Ball Type





	SHELL (psig)	SHELL (psig) BACKSEAT (psig)	SEAT (psig)	(psiq)
CLASS	WATER	WATER	AIR	WATER
150LB	450			325
300LB	1125			825
600LB	2225		3	1650
800LB	2975		8	2175
900LB	3350			2450
1500LB	5575			4100

FORGED STEEL SIDE ENTRY CRYOGENIC BALL VALVE - Free Floating Ball (3 Piece)

STANDARD MATERIALS



SEAT BONNET

> R-PIFE NOTED NOTED

3 8 8 8	450 1125 2225 2975
. 8	
	8

(5) Structure Features: (4) Temperature Rating: Up to 250°C (2) Valve Size: 1/2"-4"

★ 2 Piece Body

★ End Connection: Flanged Type

* Floating Ball Type

★ Fire Safety Construction (API 607)

* Manual Operating * Reduce Bore / Full Bore Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.5

(3) Applicable Rating: Class 150LB - 1500LB

SPECIFICATIONS

WRENCH

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51;

CARBON STEEL

GRAPHITE

316+GRAPHITE ASTM A276 316 ASTM A276 316

PIFE

BACK SEAT GASKET



BODY	CHON
BONNET	NOTE(I)
SEAT	PCTFE
BALL	ASTM A276 316
STEM	ASTM A276 316
GASKET	316+GRAPHITE
BACK SEAT GASKET	PCTFE
PACKING	GRAPHITE
WRENCH	CARBON STEEL

NOTE: (1) A105; LF2; F5; F11; F22; F304(L); F316(L); F347; F321; F51; F55; Inconel; Monel; Hastelloy; etc.

- (5) Structure Features: (4) Temperature Rating: Down To - 196°C (2) Valve Size: 1/2"--4" Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.25 ★ 3 Piece Body (3) Applicable Rating: Class 150LB - 2500LB
- * End Connection: Threaded, Socket-Welded or Butt-Welded
- * Floating Ball Type
- ★ Fire Safety Construction (API 607) * Manual Operating *Reduce Bore / Full Bore



	CONTRA	(cniv) ical andecada		
	SHELL (psig)	SHELL (psig) BACKSEAT (psig)	SEAT (psig)	(psig)
CLASS	WATER	WATER	AIR	WATER
15018	450			88
300LB	1125			825
81009	2225			1650
80018	2975	í	8	2175
83008	3350			2450
1500LB	5575			4100
2500LB	9275			6800



FORGED STEEL SIDE ENTRY BALL VALVE - Free Floating Ball (3 Piece)

STANDARD MATERIALS



PART NAMES	
BODY	NOTEC
BONNET	NOTEO
SEAT	R-PTFE
BALL	ASTM A276 316
STEM	ASTM A276 316
O-RING	NBR
BACK SEAT GASKET	PTFE
PACKING	GRAPHITE
100000000000000000000000000000000000000	3234500000000000000000000000000000000000



SPECIFICATIONS

- (2) Valve Size: 1/2"-4" (1) Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.25 (3) Applicable Rating: Class 150LB - 2500LB
- (4) Temperature Rating: Up to 250°C
- (5) Structure Features: ★ End Connection: Threaded, Socket-Welded or Butt-Welded **★**3 Piece Body
- *Floating Ball Type *Reduce Bore / Full Bore
- ★Fire Safety Construction (API 607)
- * Manual Operating



CLASS	PRESSURE TEST (A10 SHELL (psig) BACKSEAT (psig) WATER WATER	BACKSE	PRESSURE LEST (A105) (paig) BACKSEAT (paig) ER WATER	ST (A105) AT (psig) SEAT (psig) ATR AIR WATT
150LB	450			
300LB	1125			
800LB	2225			
800LB	2975	1		8
800LB	3350			
1500LB	5575			
2500LB	9275			

FORGED STEEL SIDE ENTRY BALL VALVE - Free Floating Ball (2 Piece)

STANDARD MATERIALS



								-	4	
10 TO	WRENCH	PACKING	BACK SEAT GASKET	O-RING	STEM	BALL	SEAT	BONNET	ВООУ	
THE PART OF THE PA	CARBON STEEL	GRAPHITE	PIFE	NBR	ASTM A276 316	ASTM A276 316	R-PTFE	NOTEO	Calon	

NOTE: (1) A106; LF2; F6; F11; F22; F304(L); F316(L); F347; F321; F51;

SPECIFICATIONS

- Design & Manufacture Conform to: API 608, BS5351, ASME B16.34/B16.11/B1.20.1/B16.5
- (3) Applicable Rating: Class 150LB 2500LB
- (4) Temperature Rating: Up to 250°C (2) Valve Size: 1/2"-4"
- (5) Structure Features:
- ★2 Piece Body

- * Floating Ball Type
- ★End Connection: Flanged Type
- ★ Fire Safety Construction (API 607) *Manual Operating *Reduce Bore / Full Bore





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