



BASIC DESIGN: API 600 / BS 1414 / ASME B16.34

FACE-TO-FACE: ASME B16.10

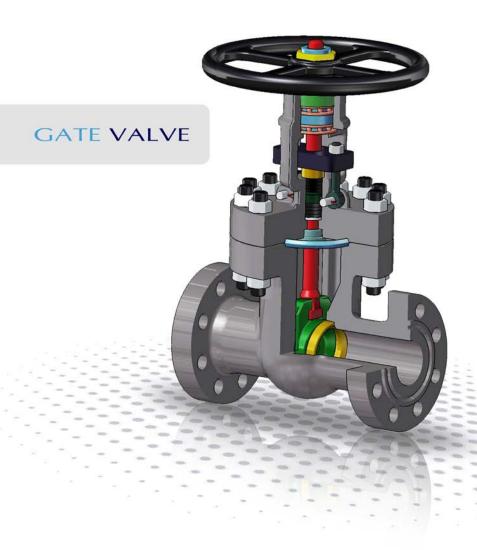
FLANGES : UP TO 24" ASME B16.5 FROM 26" ASME B16.47

BUTTWELD ENDS: ASME B16.25

MARKING: MSS-SP-25

INSPECTION AND TESTING: API 598





TRIM NUMBER	SEAT RING SURFACE	WEDGE SURFACE	STEM	BACKSEAT BUSHING F6	
1	F6	F6	F6		
2	F304	F304	F304	F304	
5	STELLITED	STELLITED	F6	F6	
8	STELLITED	F6	F6	F6	
9	MONEL	MONEL	MONEL	MONEL	
10	F316	F316	F316	F316	
12	STELLITED	F316	F316	F316	
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	

	WCB	LCB	WC6	WC9	WC9	C5	CF8	CF8M
BODY	A216 GR.WCB	A352 GR.LCB	A217 GR.WC6	A217 GR.WC9	A217 GR.WC9	A217 GR.C5	A351 GR.CF8	A351 GR.CF8M
BONNET	A216 GR.WCB	A352 GR.LCB	A217 GR.WC6	A217 GR.WC9	A217 GR.WC9	A217 GR.C5	A351 GR.CF8	A351 GR CF8M
BONNET BOLTS	A193 GR.B7	ASTM A320 GR.L7	ASTM A193 GR.B16	ASTM A193 GR B16	ASTM A193 GR.B16	ASTM A193 GR.B16	ASTM A193 GR B8	ASTM A193 GR.B8
BONNET NUTS	A194 GR.2H	ASTM A194 GR.4	ASTM A194 GR.8	ASTM A194 GR,8				
BONNET GASKET CLASS 150	SOFT STEEL	TYPE 304 SS	TYPE 316 SS	TYPE 316 SS				
BONNET GASKET CLASS 300 & 600	SPIRAL 316 SS+GRAPHITE							
BONNET GASKET CLASS 900 & UP	STEEL RING	304 SS RING	304 SS RING	304 SS RING	304 SS RING	304 SS RING	316 SS RING	316 SS RING
PACKINGS	FLEXIBLE GRAPHITE							
GLAND	NON CORRODING METAL							
GLAND FLANGE	CARBON STEEL	A350 GR.LF2	A105	A105	A105	A105	A351 GR.CF8	A351 GR.CF8M
STEM NUT	Ni-Resist							
YOKE NUT	DUCTILE IRON							
HANDWHEEL	DUCTILE IRON							
HANDWHEEL NUT	DUCTILE IRON							

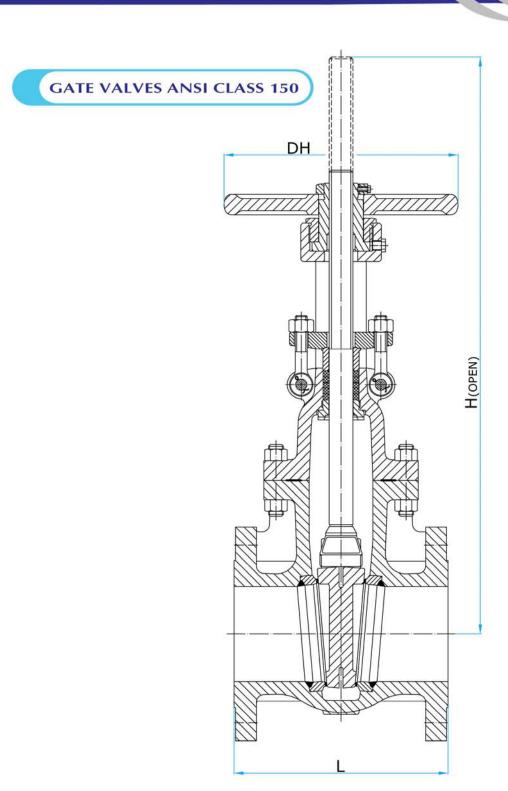
FEATURES:

- HEAVY DUTY BODY
- FULL PORT DESIGN -

END CONNECTION: RAISED FACE, BUTTWELD, RING TYPE JOINT-

INTEGRAL / BOLTED YOKE WITH BOLTED BONNET -

- RISING STEM, OUTSIDE SCREW AND YOKE
- ROBUST AND LARGE DIAMETER HANDWHEEL
- NONRISING HANDWHEEL
- FLEXIBLE / SOLID WEDGE
- FULL LENGTH WEDGE GUIDE
- CORRUGATED METAL BONNET GASKET
- FORGED T-HEAD STEM
- STEM STRAIGHTNESS AND ROUNDNESS
- ACME THREADS FOR STEM
- STEM SURFACE FINISH TO (N6)
- CONICAL STEM BACKSEAT BUSHING
- THREADED BACKSEAT BUSHING
- SUITABLE FOR REPACKING UNDER PRESSURE WHEN FULLY OPENED
- SELF ALIGNMENT / CENTERING GLAND
- STUFFING BOX AND GLAND CYLINDRICITY
- STUFFING BOX SURFACE FINISH TO (N7)
- HEAVY SERIES HEX NUTS
- WELDED SEATRING
- LAPPED SEATS TO MIRROR FINISH
- LUBRICATOR FITTING FOR STEM NUT
- AVAILABLE WITH GEAR OPERATOR 14" AND LARGER
- EASY MAINTENANCE
- SPECIAL FEATURES ACCORDING TO CUSTOMERS REQUIREMENTS

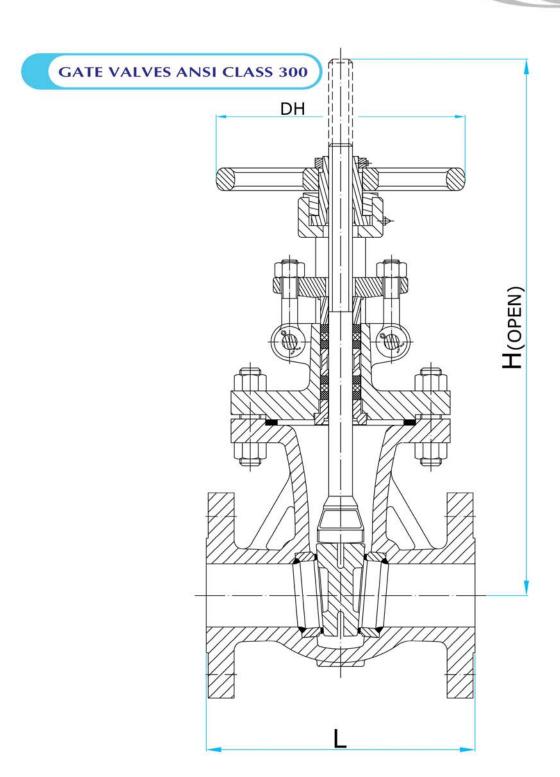


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- HEAVY DUTY BODY
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END CONNECTION: RAISED FACE, BUTTWELD, RING TYPE JOINT-INTEGRAL / BOLTED YOKE WITH BOLTED BONNET-

- RISING STEM, OUTSIDE SCREW AND YOKE
- ROBUST AND LARGE DIAMETER HANDWHEEL
- PLUG / BALL / FLAT TYPE DISK
- MALE AND FEMALE BONNET JOINT
- SPIRAL WOUND GRAPHITIC BONNET GASKET
- EQUIPPED WITH LANTERN RING
- STEM STRAIGHTNESS AND ROUNDNESS
- ACME THREADS FOR STEM
- STEM SURFACE FINISH TO (N6)
- CONICAL STEM BACKSEAT BUSHING
- THREADED BACKSEAT BUSHING
- SUITABLE FOR REPACKING UNDER PRESSURE WHEN FULLY OPENED
- SELF ALIGNMENT / CENTERING GLAND
- STUFFING BOX AND GLAND CYLINDRICITY
- STUFFING BOX SURFACE FINISH TO (N7)
- HEAVY SERIES HEX NUTS
- WELDED SEATRING
- LAPPED SEATS TO MIRROR FINISH
- AVAILABLE WITH GEAR OPERATOR 8" AND LARGER
- EASY MAINTENANCE
- SPECIAL FEATURES ACCORDING TO CUSTOMERS REQUIREMENTS



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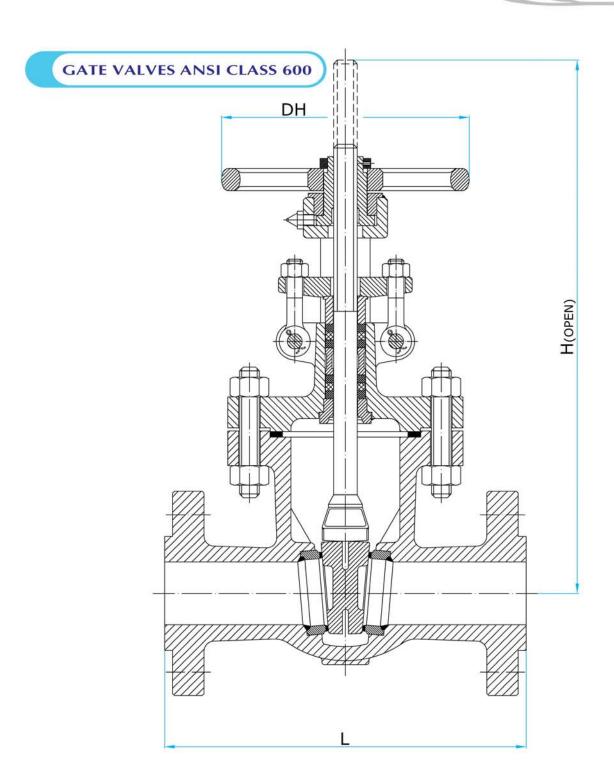
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- FULL PORT DESIGN -

END CONNECTION: RAISED FACE, BUTTWELD, RING TYPE JOINT-

- INTEGRAL / BOLTED YOKE WITH BOLTED BONNET -
- ROBUST AND LARGE DIAMETER HANDWHEEL

- RISING STEM, OUTSIDE SCREW AND YOKE

- NONRISING HANDWHEEL
- FLEXIBLE / SOLID WEDGE
- FULL LENGTH WEDGE GUIDE
- MALE AND FEMALE BONNET JOINT
- SPIRAL WOUND GRAPHITIC BONNET GASKET
- EQUIPPED WITH LANTERN RING
- FORGED T-HEAD STEM
- STEM STRAIGHTNESS AND ROUNDNESS
- ACME THREADS FOR STEM
- STEM SURFACE FINISH TO (N6)
- CONICAL STEM BACKSEAT BUSHING
- THREADED BACKSEAT BUSHING
- SUITABLE FOR REPACKING UNDER PRESSURE WHEN FULLY OPENED
- SELF ALIGNMENT / CENTERING GLAND
- STUFFING BOX AND GLAND CYLINDRICITY
- STUFFING BOX SURFACE FINISH TO (N7)
- HEAVY SERIES HEX NUTS
- WELDED SEATRING
- LAPPED SEATS TO MIRROR FINISH
- LUBRICATOR FITTING FOR STEM NUT
- ANTI FRICTION THRUST BEARING STEM NUT 6" AND LARGER
- AVAILABLE WITH GEAR OPERATOR 10" AND LARGER
- EASY MAINTENANCE
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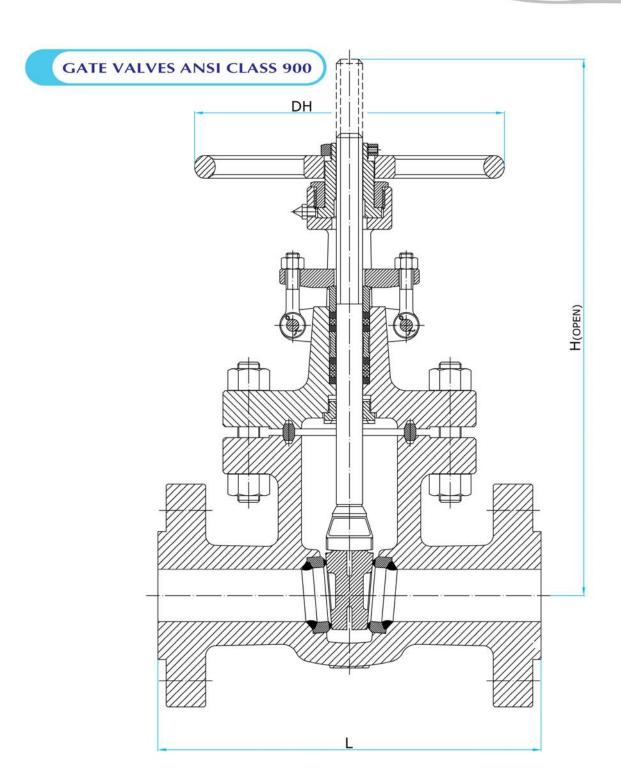


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END CONNECTION: RAISED FACE, BUTTWELD, RING TYPE JOINT-INTEGRAL / BOLTED YOKE WITH BOLTED BONNET -

- RISING STEM, OUTSIDE SCREW AND YOKE
- ROBUST AND LARGE DIAMETER HANDWHEEL
- NONRISING HANDWHEEL
- FLEXIBLE / SOLID WEDGE
- FULL LENGTH WEDGE GUIDE
- RING JOINT BONNET GASKET
- EQUIPPED WITH LANTERN RING
- FORGED T-HEAD STEM
- STEM STRAIGHTNESS AND ROUNDNESS
- ACME THREADS FOR STEM
- STEM SURFACE FINISH TO (N6)
- CONICAL STEM BACKSEAT BUSHING
- THREADED BACKSEAT BUSHING
- SUITABLE FOR REPACKING UNDER PRESSURE WHEN FULLY OPENED
- SELF ALIGNMENT / CENTERING GLAND
- STUFFING BOX AND GLAND CYLINDRICITY
- STUFFING BOX SURFACE FINISH TO (N7)
- HEAVY SERIES HEX NUTS
- WELDED SEATRING
- LAPPED SEATS TO MIRROR FINISH
- LUBRICATOR FITTING FOR STEM NUT
- AVAILABLE WITH GEAR OPERATOR 6" AND LARGER
- -EASY MAINTENANCE
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