

# GLOBE VALVES



BASIC DESIGN : BS 1873 / 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

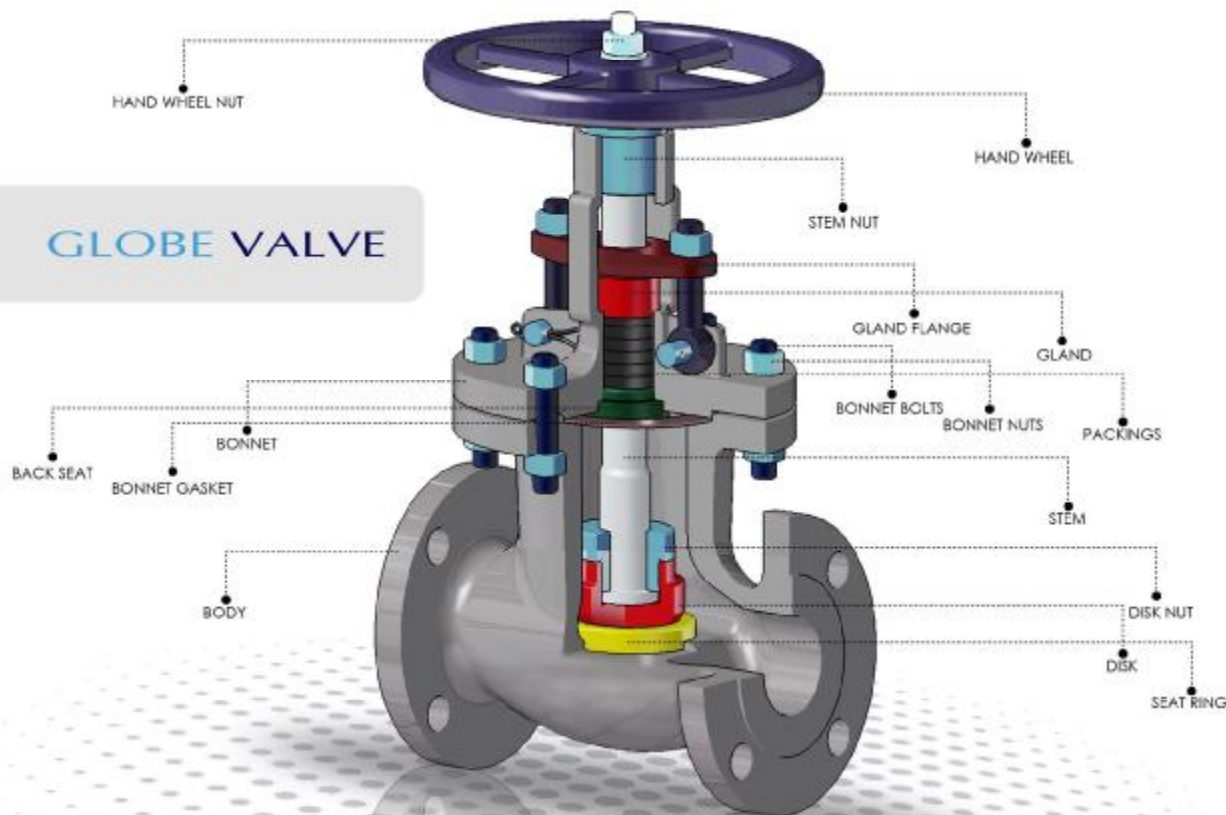
INSPECTION AND TESTING : API 598

# FICC VALVES

FAJR-E-MARKAZI Valve Manufacturing CO.



# GLOBE VALVE



	WC8	LC8	WC6	WC9	C5	C18	CF8M
BODY	A216 GR.WCB	A352 GR.IC8	A217 GR.WC3	A217 GR.WC9	A217 GR.C5	A351 GR.C18	A351 GR.CF8M
BONNET	A216 GR.WCB	A352 GR.IC8	A217 GR.WC3	A217 GR.WC9	A217 GR.C5	A351 GR.C18	A351 GR.CF8M
BONNET BOLTS	A193 GR.B7	ASTM A320 GR.L7	ASTM A193 GR.B76	ASTM A193 GR.B76	ASTM A193 GR.B76	ASTM A193 GR.B76	ASTM A193 GR.B76
BONNET NUTS	A194 GR.2H	ASTM A194 GR.4	ASTM A194 GR.4	ASTM A194 GR.4	ASTM A194 GR.4	ASTM A194 GR.4	ASTM A194 GR.4
BONNET GASKET CLASS 150	SOFT STEEL	TYPE 304 SS	TYPE 304 SS	TYPE 304 SS	TYPE 304 SS	TYPE 316 SS	TYPE 316 SS
BONNET GASKET CLASS 300 & 600	SPIRAL 316 SS+ GRAPHITE	SPIRAL 316 SS+ GRAPHITE	SPIRAL 316 SS+ GRAPHITE	SPIRAL 316 SS+ GRAPHITE	SPIRAL 316 SS+ GRAPHITE	SPIRAL 316 SS+ GRAPHITE	SPIRAL 316 SS+ GRAPHITE
BONNET GASKET CLASS 900 & LP	STEEL RING	304 SS RING	304 SS RING	304 SS RING	304 SS RING	316 SS RING	316 SS RING
PACKINGS	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE
GLAND	NON CORRODING METAL	NON CORRODING METAL	NON CORRODING METAL	NON CORRODING METAL	NON CORRODING METAL	NON CORRODING METAL	NON CORRODING METAL
GLAND FLANGE	CARBON STEEL	A351 GR.C18	A185	A185	A185	A351 GR.C18	A351 GR.CF8M
STEM NUT	Ni-Resist	Ni-Resist	Ni-Resist	Ni-Resist	Ni-Resist	Ni-Resist	Ni-Resist
DISK NUT	A182 GR.F6a	A182 GR.F304	A182 GR.F6a	A182 GR.F6a	A182 GR.F6a	A182 GR.F304	A182 GR.F316
HANDWHEEL	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON
HANDWHEEL NUT	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL

TRIM NUMBER	SEAT RING SURFACE	DISK SURFACE	STEM	BACKSEAT BUSHING
1	F6	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

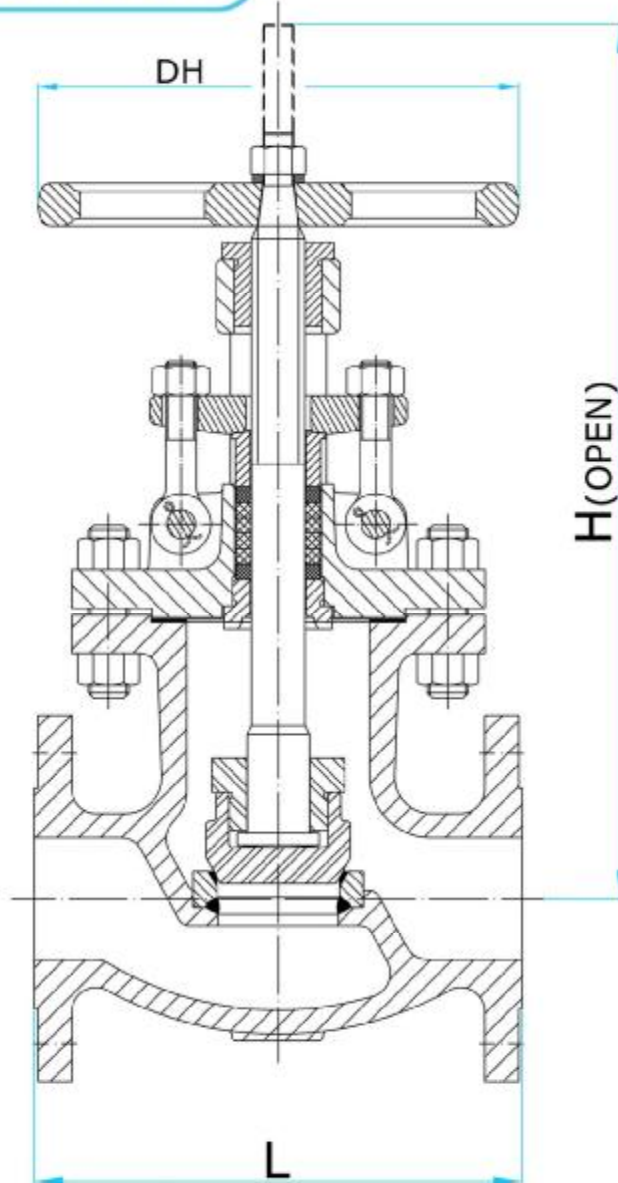
## GLOBE VALVES ASME CLASS 150

### FEATURES :

- HEAVY DUTY BODY
- FULL PORT DESIGN
- END CONNECTION : RAISED FACE , BUTTWELD , RING TYPE JOINT
- BOLTED BONNET WITH INTEGRAL / BOLTED YOKE
- RISING STEM , OUTSIDE SCREW AND YOKE
- ROBUST AND LARGE DIAMETER HANDWHEEL
- PLUG / BALL / FLAT TYPE DISK
- CORRUGATED METAL BONNET GASKET
- 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 10" AND LARGER
- EASY MAINTENANCE
- SPECIAL FEATURES ACCORDING TO CUSTOMERS REQUIREMENTS

TEST PRESSURE TO API 598 ( GLOBE VALVES ASME CLASS 150 )					
HYDROSTATIC SHELL TEST		HYDROSTATIC SEAT TEST		PNEUMATIC SEAT TEST	
30 [BAR]	435 [PSI G]	23 [BAR]	335 [PSI G]	6 [BAR]	80 [PSI G]

GLOBE VALVES ASME CLASS 150



DN (mm)	50	65	80	100	150	200	250	300	350	400	450
NPS (inch)	2	2 1/2	3	4	6	8	10	12	14	16	18
L (RF, BW) (mm)	203	216	241	292	406	495	622	698	787	914	978
H (OPEN) (mm)	382	435	466	530	652	760	861	1000	1048	1150	1200
DH (mm)	200	250	250	300	350	400	500	600	600	750	750
WEIG HT (KG)	22	30	37	61	110	168	238	410	450	636	1500

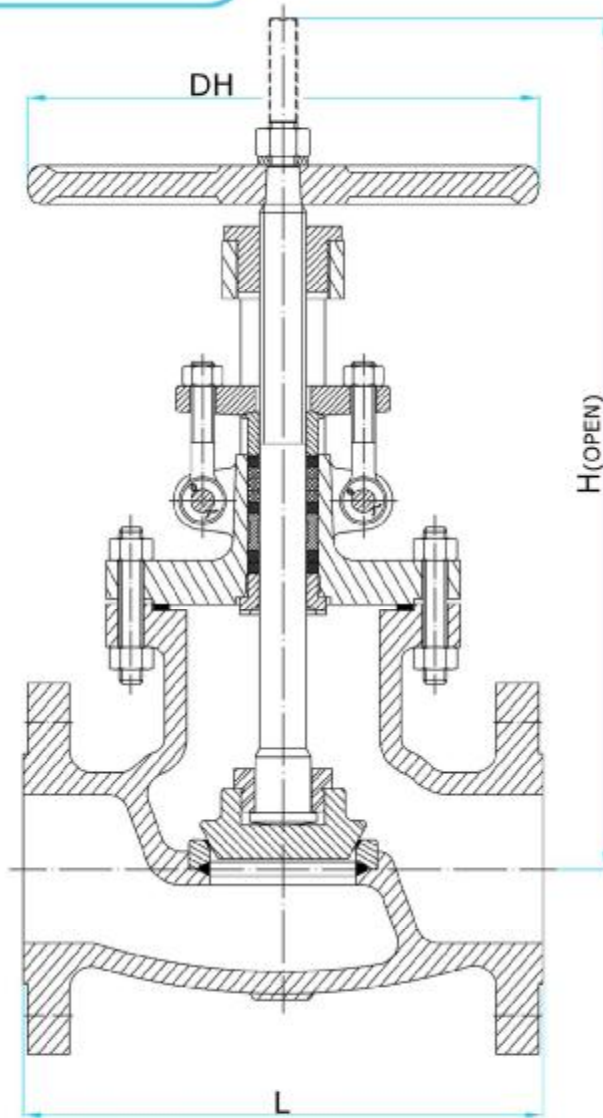
## GLOBE VALVES ASME CLASS 300

### FEATURES :

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

TEST PRESSURE TO API 598 ( GLOBE VALVES ASME CLASS 300 )					
HYDROSTATIC SHELL TEST		HYDROSTATIC SEAT TEST		PNEUMATIC SEAT TEST	
78 [BAR]	1130 [PSIG]	58 [BAR]	840 [PSI G]	6 [BAR]	80 [PSI G]

GLOBE VALVES ASME CLASS 300



DN (mm)	50	65	80	100	150	200	250	300	350	400
NPS (inch)	2	2 1/2	3	4	6	8	10	12	14	16
L (RF, BW) (mm)	267	292	318	356	445	559	622	711	838	846
H (OPEN) (mm)	423	464	530	612	790	872	1040	1141	1200	1400
DH (mm)	200	250	250	300	400	500	500	600	750	850
WEIGHT (KG)	27	40	53	80	155	240	340	495	650	850

## GLOBE VALVES ASME CLASS 600

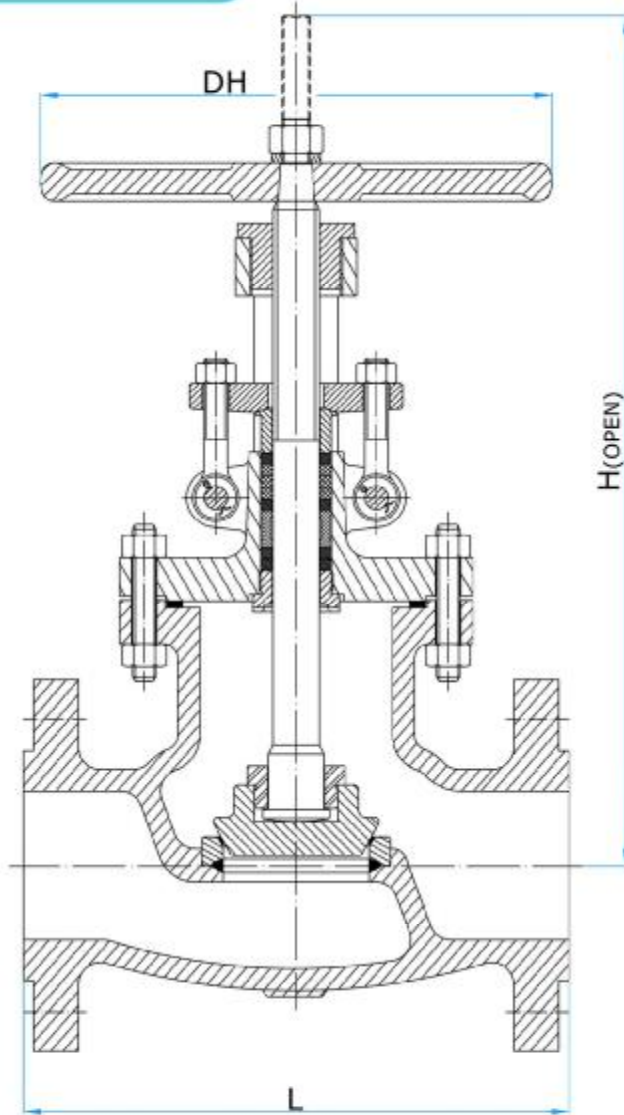
### FEATURES :

- HEAVY DUTY BODY
- FULL PORT DESIGN
- END CONNECTION : RAISED FACE , BUTTWELD , RING TYPE JOINT
- BOLTED BONNET WITH INTEGRAL / BOLTED YOKE
- 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 6" AND LARGER
- EASY MAINTENANCE
- SPECIAL FEATURES ACCORDING TO CUSTOMERS REQUIREMENTS

TEST PRESSURE TO API 598 ( GLOBE VALVES ASME CLASS 600 )					
HYDROSTATIC SHELL TEST		HYDROSTATIC SEAT TEST		PNEUMATIC SEAT TEST	
153 [BAR]	2220 [PSIG]	116 [BAR]	1680 [PSIG]	6 [BAR]	80 [PSIG]



GLOBE VALVES ASME CLASS 600



DN (mm)	50	65	80	100	150	200	250	300
NPS (inch)	2	2 1/2	3	4	6	8	10	12
L (RF, BW) (mm)	292	330	356	432	559	660	787	838
L (RTJ) (mm)	295	333	359	435	562	664	791	841
H (OPEN) (mm)	477	514	585	676	885	946	1040	1280
DH (mm)	250	250	300	350	450	500	600	750
WEG HT (KG)	40	57	72	121	250	450	700	900

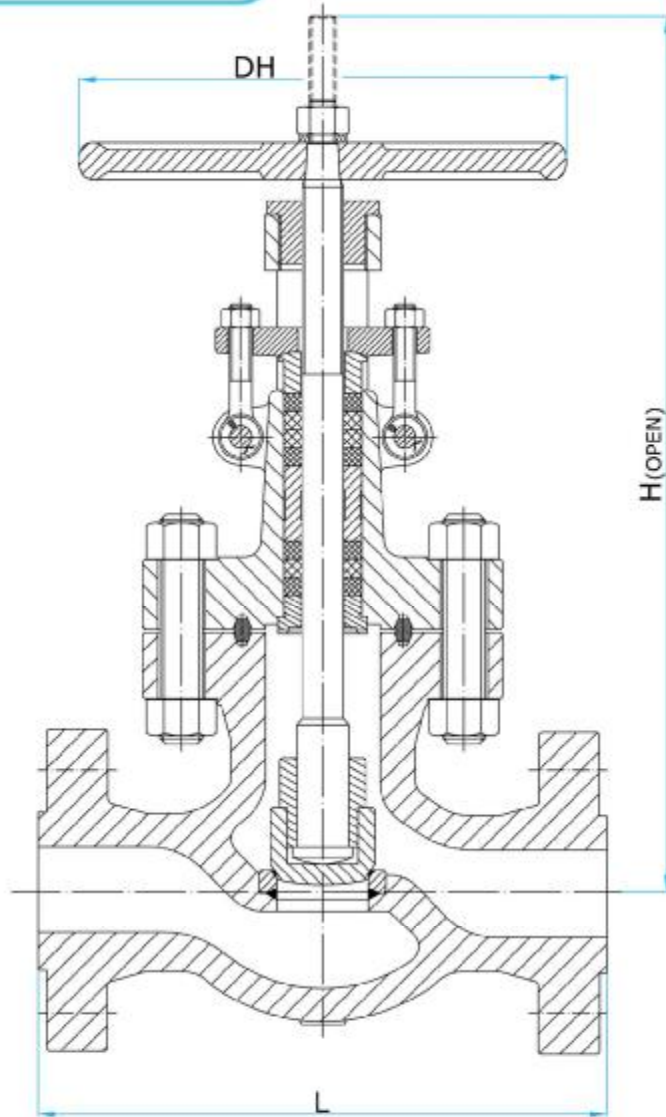
## GLOBE VALVES ASME CLASS 900

### FEATURES :

- HEAVY DUTY BODY
- FULL PORT DESIGN
- END CONNECTION : RAISED FACE , BUTTWELD , RING TYPE JOINT
- BOLTED BONNET WITH INTEGRAL / BOLTED YOKE
- RISING STEM , OUTSIDE SCREW AND YOKE
- ROBUST AND LARGE DIAMETER HANDWHEEL
- PLUG / BALL / FLAT TYPE DISK
- RING JOINT 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 4" AND LARGER
- EASY MAINTENANCE
- SPECIAL FEATURES ACCORDING TO CUSTOMERS REQUIREMENTS

TEST PRESSURE TO API 598 ( GLOBE VALVES ASME CLASS 900 )					
HYDROSTATIC SHELL TEST		HYDROSTATIC SEAT TEST		PNEUMATIC SEAT TEST	
229 [BAR]	3320 [PSIG]	170 [BAR]	2465 [PSIG]	6 [BAR]	80 [PSI G]

GLOBE VALVES ASME CLASS 900



DN (mm)	50	65	80	100	150	200	250	300
NPS (inch)	2	2 1/2	3	4	6	8	10	12
L (RF, BW) (mm)	368	419	381	457	610	737	838	965
L (RTJ) (mm)	371	422	384	460	613	838	841	968
H (OPEN) (mm)	598	660	666	800	1017	1146	1360	1612
DH (mm)	300	350	350	500	600	600	750	850
WEIG HT (KG)	87	130	122	182	434	730	1120	1630

## GLOBE VALVES ASME CLASS 1500

### FEATURES :

- HEAVY DUTY BODY
- FULL PORT DESIGN
- END CONNECTION : RAISED FACE , BUTTWELD , RING TYPE JOINT
- BOLTED BONNET WITH INTEGRAL / BOLTED YOKE
- RISING STEM , OUTSIDE SCREW AND YOKE
- ROBUST AND LARGE DIAMETER HANDWHEEL
- PLUG / BALL / FLAT TYPE DISK
- RING JOINT 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 4" AND LARGER
- EASY MAINTENANCE
- SPECIAL FEATURES ACCORDING TO CUSTOMERS REQUIREMENTS

TEST PRESSURE TO API 598 ( GLOBE VALVES ASME CLASS 1500 )					
HYDROSTATIC SHELL TEST		HYDROSTATIC SEAT TEST		PNEUMATIC SEAT TEST	
380 [BAR]	5500 [PSIG]	280 [BAR]	4060 [PSIG]	6 [BAR]	80 [PSI G]

