





# VALVES & COCKS

## COMPANY PROFILE

 valve is the product of M/s Chemico India. M/s Chemico India commenced manufacturing of valves in 1990. M/s Chemico India have successfully taken the experience which lead us to be one of the main manufacturer of valves in India. Being involved in line of valves for more than 20 years, we have rich experience in producing high quality valves.

The key to success was without doubt- THE CUSTOMER SATISFACTION. With this drive, the company emerged as one of the country's leading manufacturer of valves. Company since its inception has maintained its standards of quality without any compromises.

M/s Chemico India is modern, well equipped and established with all the facilities required for designing and manufacturing of valves to the Indian and international standards along with the team of highly qualified engineers and quality control systems to ensure top products for most demanding application in water, oil, gas and steam. The raw material used in manufacturing of valves is of best quality. The quality checks are done at each and every step till despatch to ensure the quality of valves. We have network across India, our brand  is popular not only in India but in abroad also.

## QUALITY POLICY

We must constantly strive to achieve highest possible standards and through continual improvements in the product.

## OUR VALUES

- (a) Make realistic commitment
- (b) Continuously strive to improve
- (c) Enjoy our work


## OUR STRENGTH

- (a) Focus on quality.
- (b) Established since 1966.
- (c) Dedicated team to meet demanding requirement.
- (d) Fantastic record of on time in full deliveries.



# GUN METAL GATE VALVE SCREWED/FLANGED ENDS

**DESIGN :** Gun Metal Gate Valves Class-1 ISI Marked having solid wedge, B.S.P. Screwed female and Flanged Ends, integral seat, non rising stem and cast iron hand wheel for operation.

**MARKING :** One side of the body  & Size, Screwed side IS : 778 Class-1 ISI

**TESTING :**


- (a) Hydraulically tested 1.5 Mpa, seat 1.0 Mpa both in Class-1, pressure maintained for two minutes.
- (b) Testing of raw materials in our own laboratory.
- (c) Checking of all threads and bores with standard thread & Plug gauges.

**FINISHING :**

- (a) Gate valve are generally supplied in blue painted bodies & hand wheel in black
- (b) Rough body may be supplied on demand.
- (c) Valves are completely drained before despatch.

**UTILITY :** Gate valves are quite suitable both for domestic & Industrial use on hydraulic installations, gases, hot water, oils.

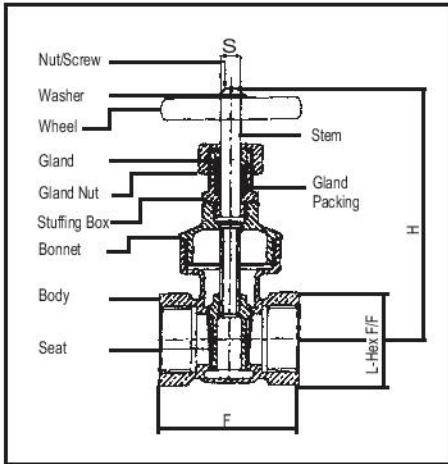
**WARRANTY :**

- (a) 100% pure material, as given in the material chart (see reverse) has been used.
- (b) 100% leak proof against required pressure.
- (c) Perfect alignment.
- (d) Machined on semi-automatic machines.
- (e) Piece of  product in case some manufacturing defect is found, provided the same is returned to us without misuse & careless handling.





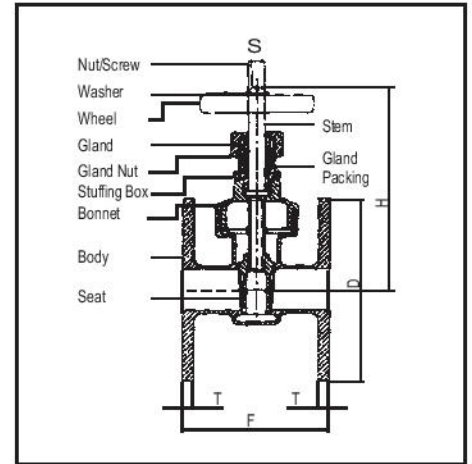
# GUN METAL GATE VALVE SCREWED/FLANGED ENDS



Screwed  
◀◀ Ends



Flanged  
Ends▶▶



## NOMINAL SIZES & DIMENSIONS : (All dimensions in mm)

Nominal Sizes	Symbol	15	20	25	32	40	50	65	80	100
End to End Screwed	F	60	60	70	80	90	100	105	125	160
Flat to Flat min.	L	26	32	39	49	55	68	85	98	127
Stem Dia Min.	S	8	9	10	10	12	12	14	16	20
Centre to top Screwed	H	100	107	127	132	156	170	214	253	314
End to End Flanged	F-1	72	76	90	100	110	120	140	150	190
Dia of Flange	D	95	105	115	140	150	165	185	200	220
Thickness of Flange	T	6	6	8	8	9	11	13	13	16
Centre to top Flange	H-1	106	107	127	132	156	170	214	254	315

NOTE: A Tolerance of  $\pm 1$ mm, in diameter of Flange up to 80mm, 1.5 mm in 100mm  
 $\pm 1.5$ mm in thickness of flange On size 15mm to 32mm & +3mm on size 40mm to 100mm  
 -0

A Tolerance of  $\pm 1.5$ mm in end to end dimensions.



## MATERIAL CHART

Sr. No.	Name of Part	Material	Specification
1.	Body, Bonnet, Seat, Gland, Stuffing Box & Gland Nut	Gun Metal	LTB2 OF IS : 318
2.	Stem	Drawn/Forged Brass Rod	IS : 6912 FLB
3.	Hand Wheel	Cast iron	FG-200 - IS : 210
4.	Gland packing	Asbestos Yarn	
5.	Wheel Nut/Bolt	Mild Steel	
-	Wheel washer	Mild Steel	

Manufactured By  
**CHEMICO INDIA**  
 JALANDHAR-4



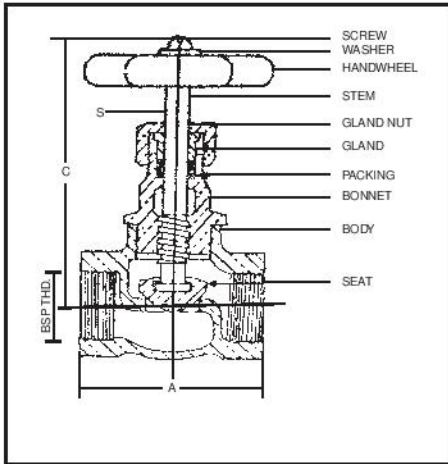
# GUN METAL GLOBE VALVE SCREWED/FLANGED ENDS

- DESIGN :** Gun Metal Globe Valves Class-1 ISI Marked having solid wedge, B.S.P. Screwed female and Flanged Ends, renewable seat, rising stem and cast iron hand wheel for operation.
- MARKING :** One side of the body  & Size, Screwed side IS : 778 Class-1 ISI
- TESTING :**
- (a) Hydraulically tested 1.5 Mpa, seat 1.0 Mpa both in Class-1, ISI Marked pressure maintained for two minutes.
  - (b) Testing of raw materials in our own laboratory.
  - (c) Checking of all threads and bores with standard thread & Plug gauges.
  - (d) Test Certificates will be furnished when required by the purchase based on IS : 778-1984 Class-1
- FINISHING :**
- (a) Globe valve are generally supplied in rough bodies & hand wheel in black
  - (c) Valves are completely drained before despatch.
- UTILITY :** Globe valves are quite suitable both for domestic & Industrial use on hydraulic installations, gases, hot water, oils, Pneumatic and compressed air.
- TEMP. RANGE :** 25° C - 200° C
- WARRANTY :**
- (a) 100% pure material, as given in the material chart (see reverse) has been used.
  - (b) 100% leak proof against required pressure.
  - (c) Perfect alignment.
  - (d) Machined on semi-automatic machines.
  - (e) Piece of  product in case some manufacturing defect is found, provided the same is returned to us without misuse & careless handling.

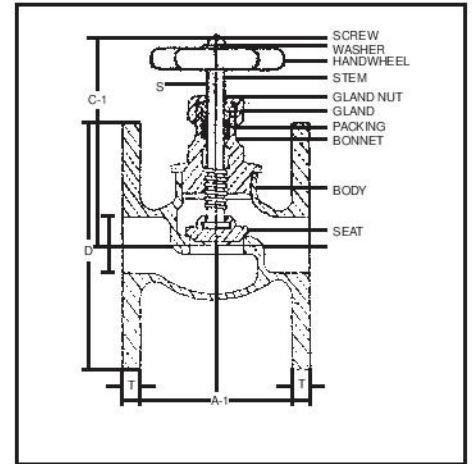




# G U N M E T A L GLOBE VALVE SCREWED/FLANGED ENDS



**Screwed  
«« Ends**



**Flanged  
Ends»»**

### NOMINAL SIZES & DIMENSIONS : (All dimensions in mm)

Nominal Sizes		15	20	25	32	40	50	65	80	100
End to End Screwed	A	60	70	80	95	110	125	160	180	216
Flat to Flat min.	B	26	32	39	49	55	68	85	98	127
Stem Dia Min.	S	8	9	10	10	12	12	14	16	20
Centre to top Screwed	C	87	92	102	107	125	128	158	167	204
End to End Flanged	A-1	75	85	95	110	120	145	165	185	216
Dia of Flange	D	95	105	115	140	150	165	185	200	220
Thickness of Flange	T	6	6	8	8	9	11	13	13	16
Centre to top Flange	C-1	87	92	103	107	128	130	160	169	204

NOTE: A Tolerance of  $\pm 1$ mm, in diameter of Flange up to 80mm, 1.5 mm in 100mm  
 $\pm 1.5$ mm in thickness of flange On size 15mm to 32mm & +3mm on size 40mm to 100mm  
 -0

A Tolerance of  $\pm 1.5$ mm in end to end dimensions.

### MATERIAL CHART


Sr. No.	Name of Part	Material	Specification
1.	Body, Bonnet, Seat & Gland Nut	Gun Metal	LTB2 OF IS : 318
2.	Stem	Drawn/Forged Brass Rod	IS : 6912 - 1985
3.	Hand Wheel	Cast iron	FG-200 - IS : 210
4.	Gland packing	Asbestos Yarn	
5.	Wheel Nut/Bolt	Mild Steel	
6.	Wheel washer	Mild Steel	

Manufactured By  
**CHEMICO INDIA**  
 JALANDHAR-4



# GUN METAL BALL VALVE SCREWED/FLANGED ENDS

**DESIGN :** Bronze Ball Valve B.S.P.  
Screwed female and Flanged Ends,  
with S.S. ball, S.S. stem and carbon  
steel lever

**MARKING :** One side of the body  &  
Size, second side Tested 34 kg."

**TESTING :**

- (a) Hydraulically tested 34kg/cm<sup>2</sup> (500 lbs) pressure maintained for two minutes.
- (b) Testing of raw materials chemically & mechanically in our own laboratory.
- (c) Checking of all threads and bores with standard thread & Plug gauges.
- (d) Test Certificates will be furnished when required by the purchase.


**FINISHING :**

- (a) 3 Pc. Ball Valve are supplied with painted body and Gun Metal Ball Valve are supplied with short blasted rough body.
- (b) Valves are completely drained before despatch.

**UTILITY :** Ball Valves are quite suitable both for domestic & Industrial use on hydraulic installations hot water, oils, kerosene, Pneumatic, compressed air, gases, steam and any viscous fluids.

**TEMP. RANGE :** 25° C - 200° C

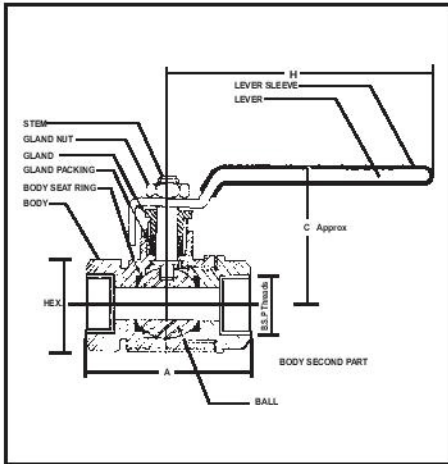
**WARRANTY :**

- (a) 100% pure material, as given in the material chart (see reverse) has been used.
- (b) 100% leak proof against required pressure.
- (c) Perfect alignment.
- (d) Machined on semi-automatic machines.
- (e) Piece of  product in case some manufacturing defect is found, provided the same is returned to us without misuse & careless handling.

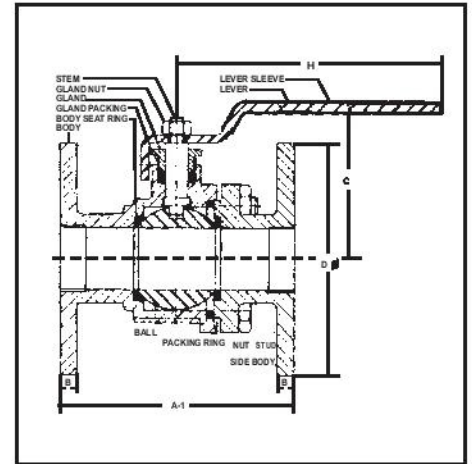




# G U N M E T A L BALL VALVE SCREWED/FLANGED ENDS



**Screwed  
«« Ends**



**Flanged  
Ends»»**

### NOMINAL SIZES & DIMENSIONS : (All dimensions in mm)

Nominal Sizes		15	20	25	32	40	50	65	80	100
End to End Screwed	A	60	62	71	85	105	122	135	160	195
Flat to Flat	Hex.	27	33	39	49	55	69	84	99	128
Centre to top	C	55	60	65	79	87	97	135	145	168
Centre to Lever End.	H	92	112	131	142	159	175	217	217	272
End to End Flanged	A-1	75	90	100	114	131	153	165	185	216
Flanged Thickness min.	B	6.5	6.5	8	8	9.5	11	13	13	16
Flange Dia	D	95	102	114	121	132	150	165	184	216

NOTE: A Tolerance of  $\pm 1$ mm, in diameter of Flange up to 80mm, 1.5 mm in 100mm  
 $\pm 1.5$ mm in thickness of flange On size 15mm to 32mm & +3mm on size 40mm to 100mm  
 -0

A Tolerance of  $\pm 1.5$ mm in end to end dimensions.

### MATERIAL CHART

Sr. No.	Name of Part	Material	Specification
1.	Body, Gland	Gun Metal	LTB <sup>2</sup> OF IS : 318
2.	Ball	Stainless Steel	AISI : 304
3.	Stem	Stainless Steel 13% Cr.	AISI : 410
4.	Nuts & Studs	Steel	
5.	Body Seat Ring	P T F E	
6.	Gland packing	P T F E	
7.	Lever	Mild Steel	
8.	Lever Sleeve	P V C	



# GUN METAL VERTICAL LIFT CHECK VALVE

**DESIGN :** Gunmetal Vertical lift check valve is designed as per ISI class-1, B.S.P screwed female ends and integral seat. It is a single piece design.

**MARKING :** One side of the body is marked with R and size and other side with IS: 778 class-1 ISI

**TESTING :**


- (a) Body is tested hydraulically at pressure of 1.5 mpa and seat at 1.0 mpa
- (b) Raw material is tested in our own laboratory
- (c) Checking of all threads and bores with standard thread and plug gauges

**FINISHING :**

- (a) Check Valves are generally supplied in rough body
- (b) Valves are completely drained before dispatch

**UTILITY :** Check Valves are quite suitable for water and oil

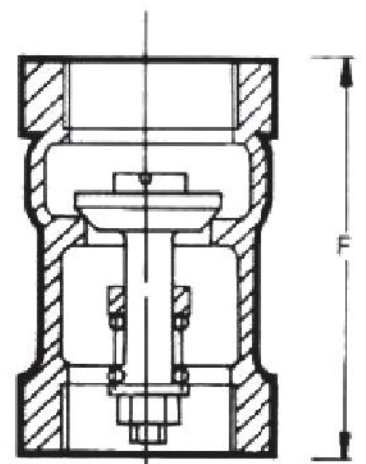
**WARRANTY :**

- (a) 100% pure material, as given in the material chart (see reverse) has been used.
- (b) 100% leak proof against required pressure.
- (c) Perfect alignment.
- (d) Machined on semi-automatic machines.
- (e) Piece of  product in case somemanufacturing defect is found, provided the same is returned to us without misuse & careless handling.



**All dimensions in mm**

Nominal Size	F
15	65
20	70
25	75
32	85
40	95
50	110
65	130
80	145
100	190







# GUN METAL HORIZONTAL CHECK VALVE

**DESIGN :** Gunmetal Horizontal lift check valve class-1 ISI marked, screwed cover in bonnet.

**MARKING :** One side of the body is marked with R and size and other side with IS: 778 class-1 ISI

**TESTING :**


- (a) Class-1 body is tested hydraulically under pressure 1.5 mpa and seat 1.0 mpa.
- (b) Raw material is tested in our own laboratory
- (c) Checking of all threads and bores with standard thread and plug gauges

**FINISHING :**

- (a) Check Valves are generally supplied in rough body.
- (b) Valves are completely drained before dispatch.

**UTILITY :** Horizontal lift check valve class-1 are quite suitable for domestic and industrial use on water and oil.

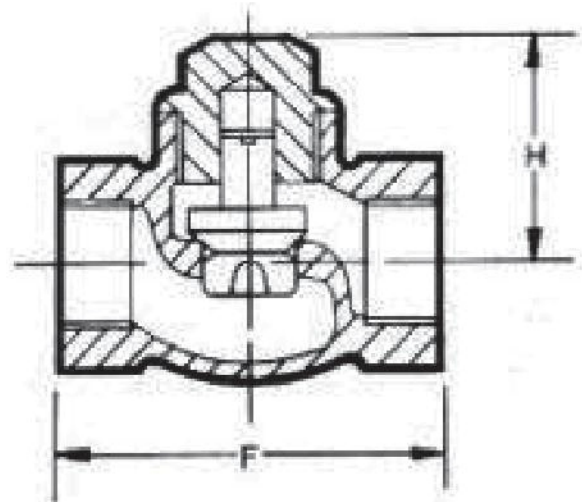
**WARRANTY :**

- (a) 100% pure material, as given in the material chart (see reverse) has been used.
- (b) 100% leak proof against required pressure.
- (c) Perfect alignment.
- (d) Machined on semi-automatic machines.
- (e) Piece of  product in case somemanufacturing defect is found, provided the same is returned to us without misuse & careless handling.




**All dimensions in mm**

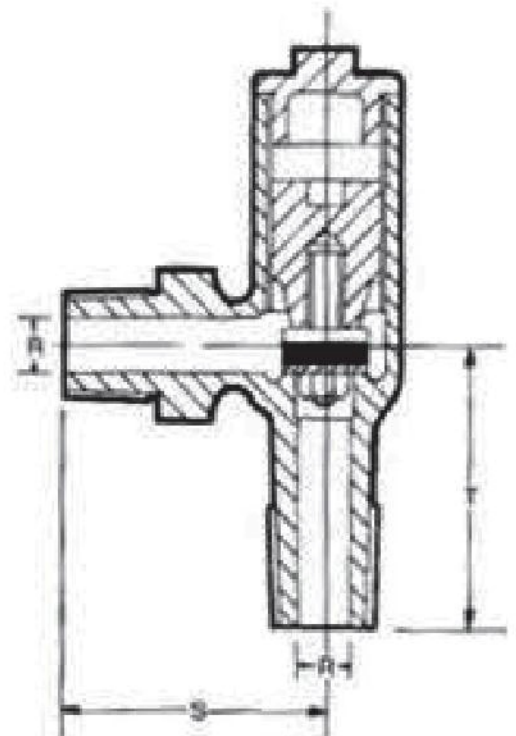
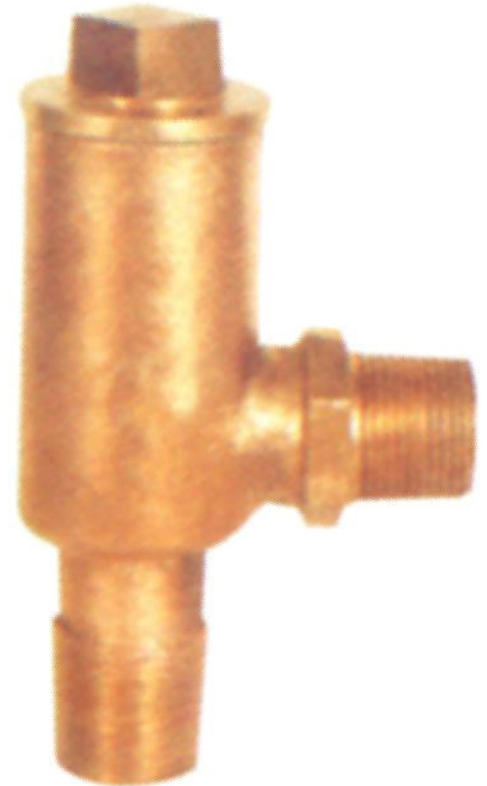
Nominal Size	F	H
15	60	36
20	70	40
25	80	51
32	95	60
40	110	70
50	125	75
65	160	90
80	180	105
100	216	130





# GUN METAL FERRULE COCK

- DESIGN :** Gun Metal Ferrule as IS: 2692-1989 ISI marked, B.S.P.T screwed male ends as per IS: 554-1999
- MARKING :** One side of the body is marked with R and size and other side with IS: 778 class-1 ISI
- TESTING :**
- (a) Gun Metal Ferrule are tested hydraulically under pressure of 1.5 mpa
  - (b) Raw material is tested in our own laboratory
  - (c) Checking of all threads and bores with standard thread and plug gauges
- FINISHING :** Ferrule are supplied with rough finish
- UTILITY :** Ferrule are quite suitable for both domestic and industrial use on water.
- WARRANTY :**
- (a) 100% pure material, as given in the material chart (see reverse) has been used.
  - (b) 100% leak proof against required pressure.
  - (c) Perfect alignment.
  - (d) Machined on semi-automatic machines.
  - (e) Piece of  product in case somemanufacturing defect is found, provided the same is returned to us without misuse & careless handling.



**All dimensions in mm**

Nominal Size	R (Min.)	S (Min.)	T (Min.)
8	8	50	55
10	8.8	50	55
15	12.3	55	60
20	17.8	60	65
25	24.5	70	75
32	30.8	85	90
40	36.8	95	100
50	46.8	115	120



# GUN METAL SWING CHECK VALVE

**DESIGN :** Swing Check valve ISI marked to is -778/1984 class-1, screwed in bonnet screwed female ends.

**MARKING :** One side of the body is marked with R and size and other side with IS: 778 class-1 ISI


**TESTING :**

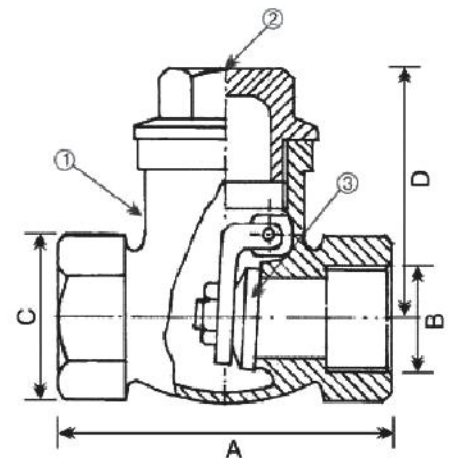
- (a) Body is tested hydraulically under pressure of 1.5 mpa and seat at 1.0 mpa.
- (b) Raw material is tested in our own laboratory
- (c) Checking of all threads and bores with standard thread and plug gauges

**FINISHING :** Swing check valve is generally supplied in rough body.

**UTILITY :** Swing Check valve are quite suitable for both domestic and industrial use on water and oil.

**WARRANTY :**

- (a) 100% pure material, as given in the material chart (see reverse) has been used.
- (b) 100% leak proof against required pressure.
- (c) Perfect alignment.
- (d) Machined on semi-automatic machines.
- (e) Piece of  product in case somemanufacturing defect is found, provided the same is returned to us without misuse & careless handling.



**All dimensions in mm**

	15	20	25	32	40	50	65	80
A	65.0	75.0	95.0	105.0	125.0	150.0	180.0	210.0
B	1/2"x14	3/8"x14	1"x11	1-1/4"x11	1-1/2"x11	2"x11	2-1/2"x11	3"x11
C	26.0	32.0	49.0	49.0	55.0	68.0	85	98.0
D	46.0	52.0	69.0	69.0	78.0	82.0	106.0	132.0
Nominal	15.0	20.0	31.0	31.0	39.0	50.0	65.0	80.0