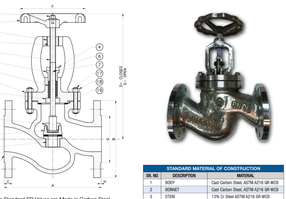
Version 1

Version 1

GLOBE VALVE ND 40



* As a Standard SR Valves are Made in Carbon Steel conforming to ASTM A216 Gr WCB, Valve can be made in other Materials as per Client Requirement. i.e WC6, WC9 and various SS Grades.

ND 40 Cast Steel Globe Valve with Bolted Bonnet, Rising Stem, Outside Screw and Yoke having Body & Bonnet of Cast Steel conforming to ASTM A 216 Gr WCB, Disc, Stem and Renewable Seat of SS 410 (13% Cr) Valve Construction / Testing and Flange Drilling as per DIN ND40 Std. Hydrostatic Proof Test for Body 60 Kg/ cm² (850 PSI) and For SEAT 40 Kg/ cm² (600 PSI). Flanges can also be drilled as per Customer Requirements.

Max Working Pressure: 40 Kg / Cm²

Max Working Temperature: 40 Kg / Cm²

Max Hydrostatic Test Pressure: 60 Kg / Cm²

STANDARD MATERIAL OF CONSTRUCTION		
SR. NO	DESCRIPTION	MATERIAL
1	BODY	Cast Carbon Steel, ASTM A216 GR WCB
2	BONNET	Cast Carbon Steel, ASTM A216 GR WCB
3	STEM	13% Cr Steel ASTM A276 GR WCB
4	GLAND PLATE	Cast Carbon Steel, ASTM A216 GR WCB
5	GLAND BUSH	13% Cr Steel ASTM A182 GR 410
6	GLAND T BOLT	ST FORGING EN8
7	GLAND NUT	Carbon Steel ASTM A307 Gr B
8	GLAND PACKING RING	Lubricated Asbestos 1850 SQ SECT.
9	BACK SEAT BUSH	13% Cr Steel ASTM A182 GR 410
10	HANDWHEEL	Cast Iron ASTM A48 Class 30
11	HEX NUT	Mild Steel EN 3A
12	SLEEVE	AL BRONZE/SAE ASTM B62, B145-B36
13	BONNET KEY	SILVER STEEL AISI 410
14	STOPPER	13% Cr Steel Clad/Hard on MS
15	STOPPER NUT	13% Cr Steel
16	SEAT RING	13% Cr Steel Cladded on MS
17	BONNET BOLT	Alloy Steel
18	BONNET NUT	Alloy Steel
19	GASKET	Comp Asbestos Fibre

Q150# NOTE: ALL THE DIMENSION ARE IN MM

SIZE	1/2" 15	3/4" 20	1" 25	1 1/2" 40	1 3/4" 50	2" 65	2 1/2" 80	3" 100	4" 125	5" 150	6" 200	8" 250	10" 300	12" 350
A	130	150	160	180	200	230	290	310	350	400	480	600	703	850
B	95	105	115	140	150	165	185	200	235	270	300	375	450	515
C	18	18	18	18	18	20	22	24	24	26	28	34	38	42
D	146	201	203	235	255	242	256	301	326	355	400	453	512	582	640
E	202	208	212	235	255	271	330	349	383	440	497	570	667	720
F	190	190	190	190	190	190	190	299	299	299	299	319	335	350
G	45	58	68	78	88	102	122	138	162	188	218	285	345	410
H	3	2	2	3	3	3	3	3	3	3	3	3	3	4
WT Kg (Appx)	6	7	7.5	11	13.5	17.5	33	40	57	75	110	206	270	415

NOTE: ALL THE DIMENSION ARE IN MM

WHO WE ARE:

A vision which was initiated in year 1982 by two technocrats has taken its shape to widen product range of SR Steels with technical expertise. An ISO 9001:2015 Mumbai based company has elevated and established itself as one of the manufacturer of Industrial Valves and Spares & Accessories.

Our Company has the expertise & requisite facilities to meet the Indian & Global standards in manufacturing range of valves. Our in house team of quality management ensures efficiency in the production process and takes utmost care in quality.

The company through its brand name "SR" has successfully designed the valves as per customer requirements and specifications. Company also have expertise in developing pumps and valves Spares and Accessories.

We have our own captive foundry by name M/s Palm Alloy Steels Pvt Ltd where the company manufactures Carbon Steel & Stainless Steel Castings as per customer's drawings in order to meet their demands from time to time.

Exploring the domestic market, we have successfully attempted to spread our wings in the overseas market and established our credentials in Germany and Middle East. We have exported more than 10000 valves of ND 40 from size range 15 mm to 250 mm to our esteemed clients.

VALVE AND PUMP SPARES & ACCESSORIES

The slurry pump is a pump that conveys a mixture of solids and water. Therefore, the medium will be abrasive to the wet parts of the slurry pumps. So the slurry pump wear parts need to be made in wear-resistant materials.

Due to the characteristics of the structure of high chromium cast iron it has much higher wear resistance than alloy steel and much higher toughness, strength & has good resistance to high temperature and corrosion than general white cast iron.

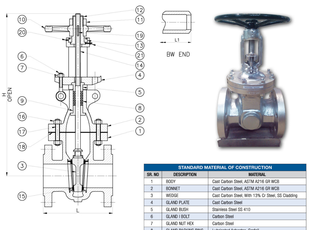
S R STEELS

Product Speaks for our Performance

Factory: 4 Sonali Indl Estate, Golani Complex, Waliv, Vasai (East) Dist Palghar 401208, India.
Tel. No.: +91 9730004778 / 9833430022
E-mail: marketing.srsteels@gmail.com

www.srsteelsindia.com

GATE VALVE



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DESIGN CONSTRUCTION

ASME B16.34

PRESSURE TEMPERATURE RATING ASME B16.34

FACE TO FACE/ END TO END ASME B16.10

CONNECTION ASME B16.5,B16.25

TESTING & INSPECTION API 598

STANDARD MATERIAL OF CONSTRUCTION		
SR. NO	DESCRIPTION	MATERIAL
1	BODY	Cast Carbon Steel, ASTM A216 GR WCB
2	BONNET	Cast Carbon Steel, ASTM A216 GR WCB
3	WEDGE	Cast Carbon Steel With 13% Cr Steel, SS Cladding
4	GLAND PLATE	Cast Carbon Steel
5	GLAND BUSH	Stainless Steel SS 410
6	GLAND T BOLT	Carbon Steel
7	GLAND NUT HEX	Carbon Steel
8	GLAND PACKING RING	Lubricated Asbestos, Grafoil
9	BACK SEAT BUSH	Stainless Steel SS 410
10	HAND WHEEL	Cast Carbon Steel
11	HANDWHEEL NUT	Carbon Steel
12	YOKE SLEEVE	SG IRON / EN 13
13	YOKE NUT	Carbon Steel
14	STEM	Stainless Steel SS 410
15	SEAT RING	MILD STEEL, 13% Cr, Cladding Steel
16	BONNET NUT HEX	Alloy Steel, ASTM A194 GR 2H
17	BONNET STUDS	Alloy Steel, ASTM A193 Gr B7
18	BONNET GASKET	Compressed Asbestor Fibre
19	KEY	Cast Carbon Steel
20	GRUB SCREW	Alloy Steel
21	LUBRICATOR	Carbon Steel

Q150# NOTE: ALL THE DIMENSION ARE IN MM

SIZE	2 50	2.5 65	3 80	4 100	5 125	6 150	8 200	10 250	12 300
L	203	216	241	292	356	406	495	622	699
L1	203	216	241	292	356	406	495	622	699
H	356	435	411	475	546	530	615	748	827
WT (Kg) (Appx)	21	30	37	57	78	100	156	261	308
Ist (Bolt Kg) (Appx)	17	22	29	46	67	86	134	227	272

SIZE	TEST PRESSURE HYDROSTATIC TEST PRESSURE IN Kg/Cm² (psi)			PNEUMATIC LOW PRESSURE CLOSURE TEST PRESSURE IN Kg/Cm² (psi)
CLASS	SHELL	BACK SEAT	CLOSURE	
150	31 (450)	22 (315)	22 (315)	7 (100)
300	79 (1125)	57 (815)	57 (815)	7 (100)
600	158 (2250)	115 (1630)	115 (1630)	7 (100)
900	236 (3350)	172 (2440)	172 (2440)	7 (100)
1500	392 (5575)	287 (4080)	287 (4080)	7 (100)
2500	652 (9275)	477 (6790)	477 (6790)	7 (100)

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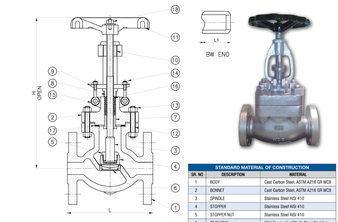
GLOBE VALVE



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FACE TO FACE/ END TO END ASME B16.10

CONNECTION ASME B16.5,B16.25

TESTING & INSPECTION API 598

STANDARD MATERIAL OF CONSTRUCTION		
SR. NO	DESCRIPTION	MATERIAL
1	BODY	Cast Carbon Steel, ASTM A216 GR WCB
2	BONNET	Cast Carbon Steel, ASTM A216 GR WCB
3	SPINDLE	Stainless Steel AISI 410
4	STOPPER	Stainless Steel AISI 410
5	STOPPER NUT	Stainless Steel AISI 410
6	SEAT RING	Mild Steel with 13% Cr Steel Cladding
7	BACK SEAT BUSH	Stainless Steel AISI 410
8	GLAND BUSH	Stainless Steel AISI 410
9	GLAND PLATE	Cast Carbon Steel, ASTM A216 GR WCB
10	YOKE NUT	SG IRON
11	HANDWHEEL	Cast Carbon Steel
12	BONNET STUDS	Alloy Steel, ASTM A193 Gr B7
13	BONNET STUD NUT	Alloy Steel, ASTM A194 Gr 2H
14	EYE BOLT WITH NUT	Carbon Steel
15	CROSS BOLT WITH NUT	Carbon Steel
16	GLAND PACKING RING	Lubricated Asbestos Grafoil
17	GASKET	Comp Asbestos Fibre
18	HANDWHEEL, NUT, WASHER	Carbon Steel

Q150# NOTE: ALL THE DIMENSION ARE IN MM

SIZE	2 50	2.5 65	3 80	4 100	5 125	6 150	8 200	10 250	12 300
L	203	216	241	292	356	406	495	622	699
L1	203	216	241	292	356	406	495	622	699
H	356	435	411	475	546	530	615	748	827
WT (Kg) (Appx)	21	30	37	57	78	100	156	261	308
Ist (Bolt Kg) (Appx)	19	20	30	42	79	154	260	360	466

SIZE	TEST PRESSURE HYDROSTATIC TEST PRESSURE IN Kg/Cm² (psi)			PNEUMATIC LOW PRESSURE CLOSURE TEST PRESSURE IN Kg/Cm² (psi)
CLASS	SHELL	CLOSURE		
150	31 (450)	22 (315)		7 (100)
300	79 (1125)	57 (815)		7 (100)
600	158 (2250)	115 (1630)		7 (100)
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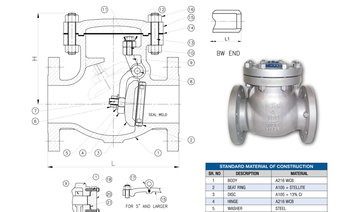
CHECK VALVE



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TESTING & INSPECTION API 598

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SR. NO	DESCRIPTION	MATERIAL
1	BODY	A216 WCB
2	SEAT RING	A105 + STELLITE
3	DISC	A105 + 13% Cr
4	HINGE	A216 WCB
5	WASHER	STEEL
6	DISC NUT	SS
7	PIN	SS
8	HINGE PIN	A182 F6
9	YOKE	A216 WCB
10	HINGE BOLT	A182 F304
11	WASHER	STEEL
12	SPRING WASHER	STEEL
13	COVER BOLT	A193 GR B7
14	GASKET	SPIRAL SS GRAPHITE
15	COVER	A216 WCB
16	COVER NUT	A194 GR 2H
17	EYE BOLT	STEEL
18	BOLT	A193 GR B7
19	NUT	A194 GR 2H
20	CAP	A105
21	GASKET	SW + GRAPHITE

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WT (Kg) (Appx)	21	24	34	49	88	168	260	413	500
Ist (Bolt Kg) (Appx)	19	20	30	42	79	154	260	360	466

SIZE	TEST PRESSURE HYDROSTATIC TEST PRESSURE IN Kg/Cm² (psi)			PNEUMATIC LOW PRESSURE CLOSURE TEST PRESSURE IN Kg/Cm² (psi)
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Version 1

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VALVE AND PUMP SPARES & ACCESSORIES

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Due to the characteristics of the structure of high chromium cast iron it has much higher wear resistance than alloy steel and much higher toughness, strength & has good resistance to high temperature and corrosion than general white cast iron.

S R STEELS

Product Speaks for our Performance

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Tel. No.: +91 9730004778 / 9833430022
E-mail: marketing.srsteels@gmail.com

www.srsteelsindia.com

S R STEELS

Product Speaks for our Performance

SLURRY VALVE GENERAL APPLICATION:

SRIE by its brand name "SR" designs and manufactures a wide range of angle valves for slurry services, mainly for alumina refineries and other mining applications where corrosion and erosion are present and also where built-up scale or settled slurries need to be cleared.

SALIENT FEATURES:

- Designed to ASME B16.34
- Heavy duty wall and thickness in excess of ASME B16.34 and ASME B16.5
- Testing to API 598
- Large stem diameter for stiffness and strength
- Stellite 6 hardfacing as standard on disc and seat surfaces
- Hardfacing also available on stem (as required)
- Bearings fitted to yoke bush depending upon size
- Seat Leakage rate for Angle Slurry Valve is Class IV

WHY "SR" ANGLE SLURRY VALVES:

Besides the above features, SR can provide various options as follows:

- SR Valves is well equipped with self grinding internal with Stellited Disc.
- Spur gear operations standard on larger sizes
- Bevel gear operators.
- Range of Internal linings available to withstand the effects of erosion & corrosion.
- Custom face to face dimension
- Designs for customer's special applications.

Angle Slurry Valve
Gear operated

TECHNICAL DATA

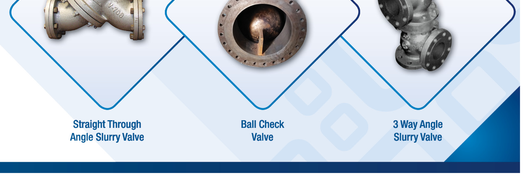
Body material	:	Carbon Steel & Stainless Steel
Size Range	:	50 mm to 600 mm
Pressure Rating	:	ASME Class 150 - Class 600
Operation	:	Handwheel, Gear Box

RANGE OF SLURRY VALVES

Angle Slurry Valve
with External Seat

45 Deg Angle
Slurry Valve

Bayonet Valve



Straight Through
Angle Slurry Valve

Ball Check
Valve

3 Way Angle
Slurry Valve