

**"POPULAR" BRAND**

***CAST IRON FULLWAY SLUICE VALVES***

**An ISO 9001-2008 Certified Company**

**Ested -Since-1980**



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**M/S. SAMANTA BROTHERS**

**(DUTTA INDUSTRIAL ESTATE)**

**ICHAPUR (SEALDANGA), P.O.- SANTRAGACHI,  
HOWRAH - 711104**

***(A House of Quality Valves & Cocks)***

## **INTRODUCTION**

*M/s. Samanta Brothers are the Name Reputation for Quality of Various types of Valves, Cocks and Pipe Fittings at Competitive Price by Introducing Latest Technologies with 100% Hydrolic Testings.*

*Our Products are Suppliered all Over India in the Various Units of Pharmaceuticals, Chemicals, Fertilizers, Cemeuts, Paper Mills, Metro Water, Textiles and Sugar Mills.*

*Our Three Mottos are*

- 1) Quality*
- 2) Punctulity*
- 3) Honesty*

**SAMANTA BROTHER****"POPULAR BRAND"****An ISO 9001-2008 Certified Company****C. I. SLUICE VALVES HATTERSELY SPECIFICATION :-**

Sl. No.	Description	Materials & Specification
1	Body, Wedge, Gland, Hand Wheel, Wedge Nut	Cast Iron to IS : 210 GR 200
2	Body Seat-Ring	G. M. IS : 318 LTB-2
3	Wedge Seat Ring	G. M. IS : 318 LTB-2
4	Gasket	Rubber
5	Bonet / Cover	Cast Iron to IS : 210 GR.FG 200
6	Spindle	S.S. AISI - 410
7	Packing	Graphaited Asbestos Rope
8	Bolts & Nuts	Carbon Steel

**ALL DIMENATIONS aer in MM**

Size	1"	1½"	2"	2½"	3"	4"	5"	6"	8"	9"	10"	12"
Face to Face	118	139	139	139	152	165	190	206	235	247	260	266
Flange Dia	113	133	152	162	184	215	250	279	330	367	400	457
P.C.D.	82.5	98.5	114	127	146	179	209.5	235	292	324	356	406
No. of Hole	4	4	4	4	4	4	8	8	8	8	8	12
Diameter of Bolt			12	16	16	16	16	16	16	16	20	20
Thickness of Flange	16	18	19	19	19	22	22	22	25	25	25	30

**Test Preasure****Tasting Medium**

Body - 20kg

Seat - 10 kg

Water

**SAMANTA BROTHER****"POPULAR BRAND"****An ISO 9001-2008 Certified Company**

### **C. I. SLUICE VALVES AS PER IS : 14846/2000, RISING & NON-RISING**

Sl. No.	Description	Materials & Specification
1	Body, Wedge, Gland, Hand Whell, Cover	Cast Iron to IS : 210 GR 200
2	Body Seat-Ring	G. M. IS : 318 LTB-2
3	Wedge Seat Ring	G. M. IS : 318 LTB-2
4	Wedge Nut	G. M. IS : 318 LTB-2
5	Gasket	Rubber / Nitrile
6	Spindle	S.S. AISI - 410
7	Packing	Graphaited Asbestos Rope
8	Bolts & Nuts	Carbon Steel

### **2. C. I. Sluice Valves as per IS-14846 PN-1 Flanges Drilled to I.S.-1536**

Size	2"	2½"	3"	4"	5"	6"	8"	10"	12"
F to F	178	190	203	229	254	267	292	330	356
F- D	165	185	200	220	250	285	340	395	445
P.C.D.	125	145	160	180	210	240	295	350	400
No. of Hole	4	4	4	8	8	8	8	12	12
Hole Dia.	18	18	19	19	19	23	23	23	23

**Test Preasure****Tasting Medium**

Body - 20 kg

Seat - 10 kg

Water

**SAMANTA BROTHER****"POPULAR BRAND"****An ISO 9001-2008 Certified Company****C. I. SLUICE VALVES AS PER ASA-125/150, RISING & NON-RISING**

Sl. No.	Description	Materials & Specification
1	Body, Wedge, Cover, Gland, Hand Wheel	Cast Iron to IS : 210 GR 200
2	Body Seat-Ring	G. M. IS : 318 LTB-2
3	Wedge Seat Ring	G. M. IS : 318 LTB-2
4	Wedge Nut	G. M. IS : 318 LTB-2
5	Gasket	Rubber / Nitrile
6	Spindle	S.S. AISI - 410
7	Packing	Graphaited Asbestos Rope
8	Bolts & Nuts	Carbon Steel
9	Thrust Plate	Cast Iron to IS : 210 GR.FG 200

**3. C. I. Sluice Valves as per ASA-150 Flanges Drilled to ANS 1 B 16.5**

Size	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"
F to F	178	190	203	229	254	267	292	330	356	381	406
F- D	152	178	190	229	254	279	343	406	483	533	597
P.C.D.	121	140	152	190	216	241	298	362	432	476	540
No. of Hole	4	4	4	8	8	8	8	12	12	16	16
Hole Dia.	19	19	19	19	22	22	22	25	25	28	28

**Test Pressure****Testing Medium**

Body - 20 kg

Seat - 10 kg

Water

**SAMANTA BROTHER****"POPULAR BRAND"****An ISO 9001-2008 Certified Company****C. I. GLOBE STOP VALVES / ANGEL STOP VALVES**

Sl. No.	Description	Materials & Specification
1	Body	Cast Iron to IS : 210 GR 200
2	Wedge	G. M. IS : 318 LTB-2
3	Body Ring	G. M. IS : 318 LTB-2
4	Cover	Cast Iron to IS : 210 GR.FG 200
5	Spindle	S.S AISI - 410
6	Packing	Graphaited Asbestos Rope
7	Gland	Cast Iron to IS : 210 GR.FG 200
8	Handwheel	Cast Iron to IS : 210 GR.FG 200
9	Washer	Carbon Steel

**Dimensions of C. I. Globe Valves as Per G. K. Specification Drilled to BS-10****Table-'F' :**

Size (mm)	20	40	50	65	80	100	125	150	200	250	300
F to F	160	186	200	225	260	298	342	400	501	585	665
F.D.	120	140	165	184	200	225	279	300	368	425	485
P.C.D.	81	104.75	127	146	165	190.5	235	260	324	381	438
No. of Hole	4	4	4	8	8	8	8	12	12	12	16
Hole Dia.	12	16	16	19	19	22	25	25	28.5	28.5	32

**Test Preasure**

Body - 20 kg

Seat - 10 kg

**Tasting Medium**

Water

**SAMANTA BROTHER****"POPULAR BRAND"****An ISO 9001-2008 Certified Company****C. I. GLOBE STOP VALVES**

Sl. No.	Description	Materials & Specification
1	Body	Cast Iron to IS : 210 GR 200
2	Wedge	G. M. IS : 318 LTB-2
3	Body Ring	G. M. IS : 318 LTB-2
4	Cover	Cast Iron to IS : 210 GR.FG 200
5	Spindle	S.S AISI - 410
6	Packing	Graphaited Asbestos Rope
7	Gland	Cast Iron to IS : 210 GR.FG 200
8	Handwheel	Cast Iron to IS : 210 GR.FG 200
9	Washer	Carbon Steel

**Dimensions of C. I. Globe Valves as Per ASA -150 Flanges Drilled to A.S.A.****(B 16.5) :**

Size (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300
F to F	108	117	127	140	165	203	216	241	292	330	356	495	622	698
F.D.	89	98	108	117	127	152	178	191	229	254	279	343	406	483
P.C.D.	60	70	79	89	98	121	140	152	190	216	241	298	362	432
No. of Hole	4	4	4	4	4	4	4	4	8	8	8	8	12	12
Hole Dia.	16	16	16	16	16	19	19	19	19	22	22	22	25	25

**Test Preasure****Tasting Medium**

Body - 20 kg

Seat - 10 kg

Water

**SAMANTA BROTHER****"POPULAR BRAND"****An ISO 9001-2008 Certified Company****C. I. GLOBE STOP VALVES**

Sl. No.	Description	Materials & Specification
1	Body	Cast Iron to IS : 210 GR 200
2	Wedge	G. M. IS : 318 LTB-2
3	Body Ring	G. M. IS : 318 LTB-2
4	Cover	Cast Iron to IS : 210 GR.FG 200
5	Spindle	S.S AISI - 410
6	Packing	Graphaited Asbestos Rope
7	Gland	Cast Iron to IS : 210 GR.FG 200
8	Handwheel	Cast Iron to IS : 210 GR.FG 200
9	Washer	Carbon Steel

**Dimensions of C. I. Globe Valves as Per IS-9338 Flanges Drilled to I.S.-1536  
(BHEL TYPE)**

Size (mm)	15	20	25	40	50	65	80	100	125	150	200	250	300
F to F	130	150	160	200	230	290	310	350	400	480	600	730	850
F.D.	95	105	115	150	165	185	200	220	250	285	340	395	445
P.C.D.	65	75	85	110	125	145	160	180	210	240	295	350	400
No. of Hole	4	4	4	4	4	4	4	8	8	8	8	12	12
Hole Dia	14	14	14	18	18	18	19	19	19	23	23	23	23

**Test Preasure**

Body - 20 kg

Seat - 10 kg

**Tasting Medium**

Water



# SAMANTA BROTHER

# "POPULAR BRAND"

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### C. I. NON RETURN VALVES AS PE IS-5312 PART-I

Sl.No.	Description	Materials & Specification
1	Body	Cast Iron to IS : 210 GR 200
2	Wedge	Cast Iron to IS : 210 GR 200
3	Body Seat Ring	G. M. IS : 318 LTB-2
4	Wedge Seating	G. M. IS : 318 LTB-2
5	Gasket	Rubber / Nitrile
6	Cover	Cast Iron to IS : 210 GR.FG 200
7	Hing Pin	S.S. AISI - 410
8	Door	Cast Iron to IS : 210 GR.FG 200
9	Cover Gasket	Rubber IS - 638 Type - B

All DIMENTIONS are in MM

Size	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Face to Face	200	240	260	300	350	400	500	600	700	800	900	1000	1100	1300
Flange Dia	165	185	200	220	250	285	340	395	445	505	565	615	670	780
P.C.D.	125	145	160	180	210	240	295	350	400	460	515	565	620	725
No. of Hole	4	4	4	8	8	8	8	12	12	16	16	20	20	20
Dia. of Hole	18	18	19	19	19	23	23	23	23	23	28	28	28	31

IS - 5312 (Part -I) : 2004

Edition 3.1 (2005-11)

Size	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Face to Face	203	216	241	292	330	356	495	622	698	787	914	978	978	1295
Flange Dia	165	185	200	220	250	285	340	395	445	505	565	615	670	780
P.C.D.	125	145	160	180	210	240	295	350	400	460	515	565	620	725
No. of Hole	4	4	4	8	8	8	8	12	12	16	16	20	20	20
Dia. of Hole	18	18	19	19	19	23	23	23	23	23	28	28	28	31
Hingh Pin	10	10	10	12	12	16	20	22	25	25	32	32	38	38

**Test Preasure**

**Tasting Medium**

Body - 20 kg

Seat - 10 kg

Water

**SAMANTA BROTHER****"POPULAR BRAND"****An ISO 9001-2008 Certified Company****C. I. DIAPHRAM VALVES**

Sl. No.	Description	Materials & Specification
1	Body	Cast Iron to IS : 210 GR 200
2	Wedge	Cast Iron to IS : 210 GR 200
3	Diaphargm	Natural or Neoprene Rubber
4	Bonet / Cover	Cast Iron to IS : 210 GR 200
5	Spindle	Mild Steel
6	Handwheel	Cast Iron to IS : 210 GR 200
7	Body Liling	Natural or Neoprene Rubber
8	Set Screw	Cast Steel

**All DIMENTIONS as per G&K**

Size M.M.	15	20	25	32	40	50	65	80	100	125	150	200
Face to Face	104	117	127	145	157	190	216	254	305	356	406	521
Flange Dia	95	102	115	121	134	152	165	184	216	254	280	337
Flange Thick	13	13	13	16	16	19	19	19	22	22	22	22
Dia of Hand Wheel	75	80	90	90	120	140	165	200	250	250	280	330

**Test Preasure**

Body - 20 kg

Seat - 10 kg

**Tasting Medium**

Water

**SAMANTA BROTHER****"POPULAR BRAND"****An ISO 9001-2008 Certified Company****C. I. FOOT VALVES AS Per IS : 4038**

Sl. No.	Description	Materials & Specification
1	Housing	Cast Iron IS : 210
2	Disc	Cast Iron IS : 210
3	Disc Plate	Cast Iron IS : 210
4	Diaphragm	Cast Iron IS : 210
5	Strainer / Str. Flange	C.I. / M.S. (Galvanised)
6	Body Seat	L.T.B. / G.M. / S.S.
7	Disc Seat	Rubber, / Lether / G.M. / S.S.
8	Disc Guide Pin	Brass, IS : 319 / S.S.
9	Bolts & Nuts	C.S. IS : 1363 CL - 4.6 & 4
10	Gasket	Rubber, IS : 638, Type - B

**All DIMENTIONS as per G&K**

Size	40	50	65	80	100	125	150	200	250	300
Over Height (Max)	180	210	230	280	340	390	425	456	500	525
Overall Width (Max)	150	160	220	240	290	340	380	580	625	750
Approx Weight (Kg)	10	12	14	20	32	47	53	82	148	240

**Test Preasure**

Body - 20 kg

Seat - 10 kg

**Tasting Medium**

Water

**SAMANTA BROTHER****"POPULAR BRAND"****An ISO 9001-2008 Certified Company**

**C. I. SLUICE VALVES AS PER IS : 14846/2000, RISING & NON-RISING**

Sl. No.	Description	Materials & Specification
1	Body, Wedge, Gland, Hand Whell, Cover	Cast Iron to IS : 210 GR 200
2	Body Seat-Ring	G. M. IS : 318 LTB-2
3	Wedge Seat Ring	G. M. IS : 318 LTB-2
4	Wedge Nut	G. M. IS : 318 LTB-2
5	Gasket	Rubber / Nitrile
6	Spindle	S.S. AISI - 410
7	Packing	Graphaited Asbestos Rope
8	Bolts & Nuts	Carbon Steel

Size M.M.	Face to Face	Flange Diameter	P.C.D	Flange Thickness	Noof Hole	Hole Dia
350	381	505	460	29	16	23
400	406	565	515	30	16	28
450	432	615	565	31.5	20	28
500	457	670	620	33	20	28
600	508	780	725	36	20	31
700	610	895	840	38.5	24	31
750	610	960	900	40	24	31
800	660	1015	950	41.5	24	34
900	711	1115	1050	44	28	34
1000	811	1230	1160	47	28	37

**Test Preasure****Tasting Medium**

Body - 20 kg

Water