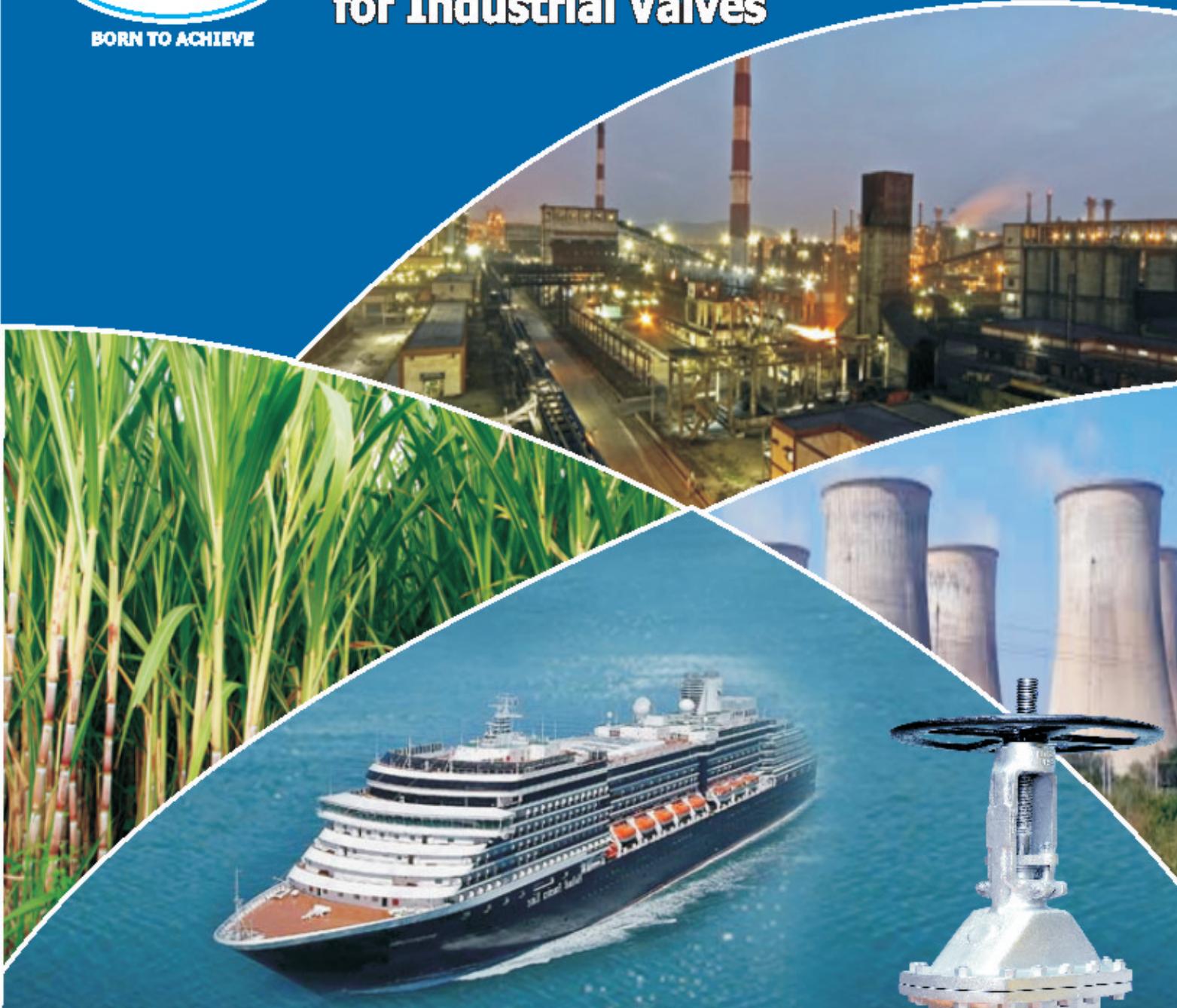


Since 1992



COMPANY PROFILE

# Really Your Project Partner for Industrial Valves



[www.valvemanufacturers.in](http://www.valvemanufacturers.in)



## Approvals & Recognition :



**IRCLASS**  
Indian Register of Shipping



Quality Awarded by  
State Bank of India



**MICROTECH INDIA**  
Hubli, Karnataka -India

## Awards



Shri Janaki Ballabh, Chairman of State Bank of India Group Blessing to Shri Mrityunjay S. Marol, Managing Director Microtech India, Receiving blessing with bouquet on 19th Jan. 2002 at Star Hotel Taj Continental Bangalore.



Shri Mrityunjay S. Marol Receiving State Bank of India Award "SBI Project Uptech Quality Award" from Smt. Mythili Rangarajan Chief General Manager State Bank of India Group at Star Hotel Taj Continental Bangalore on 19th January 2002.



## Awards



**Shri Mrityunjay S. Marol, Managing Director Microtech India Receiving Appreciation Award by Shri Gagandeep, I.P.S. Hubli-Dharwad Police Commissioner which is conducted by NKSSIA Hubli and D.I.C. Dharwad and K.C.T.U., Bangalore.**

### K.S.F.C. Award



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪಣಕಾಮ ಸಂಸ್ಥೆ  
1951 ದಿನಾಂಕ ಮೇ 21 ವರ್ಷದಲ್ಲಿ ಸ್ಥಾಪಿತವಾಗಿ

**KARNATAKA STATE FINANCIAL CORPORATION**  
Established under the State Financial Corporations Act 1951



Ref. No. KSFCD/2014/2  
Ref. No. KSFCD/HO/1

Dated: 31-1-19  
Date:

M/s. Micro Tech India Ltd.,  
M.T. Sugar, Indl. Estate Gokul,  
Gokul Road, HUBLI.

Dear Sir,

We are happy to inform you / your firm / your company that, you are one of our esteemed customers for the last 15 years and that your account in our books is in standard category maintaining good record of dealings with the Corporation. We appreciate for your good governance and credible performance and look forward to associate with you / your firm / your company for a long-term relationship to assist you in your expansion / modernisation / diversification plans of your activities or other varied interests in industry / services. On our part, KSFC introduced innovative scheme with the higher delegated powers to Branch offices to provide financial assistance up to Rs. 100.00 lakhs from the respective branch offices in the form of term loans / working capital funds besides providing financial services viz., Insurance (general & life insurance), facilitating investments in UTI / Mutual Funds.

The Corporation is also extending additional term loans to this 900 existing clients by relaxing the collateral requirement provided, the unit meets the credit norms of the Corporation.

We have nominated Sri. Nagara G Nayak, Manager (F&A) being a nodal officer to interact with you / your firm / your company on regular basis and the officer will be at your doorstep to facilitate further assistance from the Corporation or any escort services you require from any government agencies in getting approvals / clearances for your ventures in the near future. His cell No. is 9448167583.

We request you to make use of these services being offered by the Corporation to its elite clients to build a continuous and healthy relationship for a long time. We look forward to your continuous co-operation in this endeavour.

Thanking you,

Yours Faithfully,

GEN. MANAGER (NZ)

Address: 6, 1st Cross, 1st Main, No. 1/1, Indrapuram, Noida, Uttar Pradesh - 201 301.  
Telephone: 0120-4226332, 4226333, 4226334, 42259126  
HEAD OFFICE : KSFC Bhawan, No. 1/1, Thimmapura Road, Near Government Railway Station, Bangalore - 560 052.  
Telephone : 22263322 Telegems : M/T INCORP, Fax : 22250126, E-mail : info@ksfc.in Website : www.ksfc.in

### JSW Performance Certificate



**JSW Projects Limited**  
Plot V DIVANASAR, DEOGARH  
TUMAKKALI,  
Bellary (D.B.L.) Karnataka, India  
Website : [www.jsw.com](http://www.jsw.com)  
Phone : 08335-222120-130  
Fax : 08335-222156/222166

#### Performance Certificate

To Whom so ever it may Concern

This is to certify that, M/s. Microtech India Hubli, Karnataka are Manufacturers & Suppliers of Industrial Valves. They have supplied Industrial Valves to our Organization M/s. JSW Steel Ltd, Torangallu Dist: Bellary Since 2006. They have Supplied Industrial Valves like Butterfly Valve, Sluice Valve, Ball Valve, Gate Valve, Check Valve, Globe Valve, with Electrical, Pneumatic Actuators, Mechanical & Manual operated Valves. Their product range varies from 6mm up to 700mm with Class 150 to Class 1500 & IBR approved Valves. The performance and service of the valves is found to be very good.

Wishing them well in all in their future endeavors.

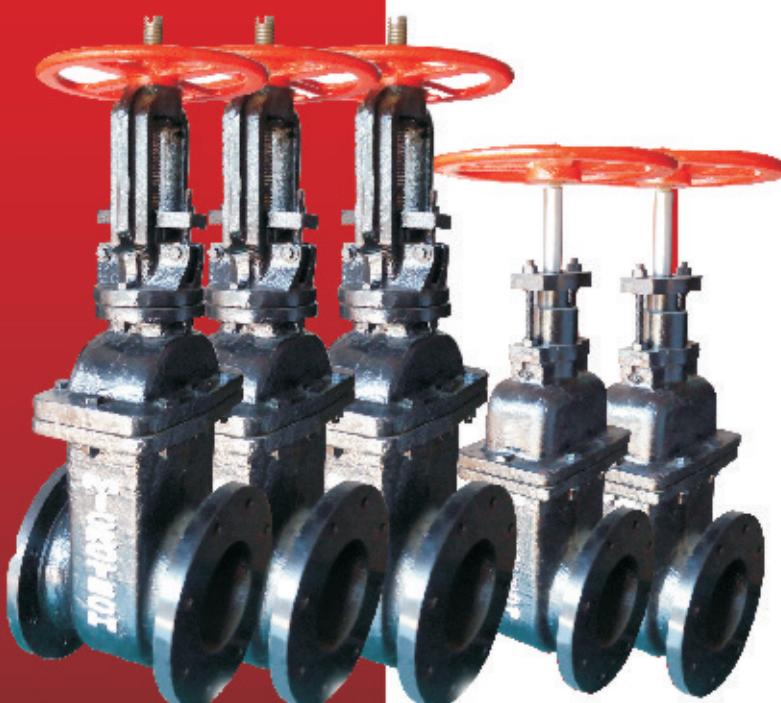
Ravikumar S  
24/12/2014

VP(Coke Ovens & COQ)

JSW Projects Ltd

## FOREWORD :

Microtech India is a leading manufacturer of Industrial valves. It has its inception in the year 1992 at Hubli. The key success of this Industry has been the strong commitment from top management backed by an enduring passion of professional Engineers and Technicians towards quality.



## The Company

To manufacture Quality Products which satisfies complete Clients Requirement through continued Improvements.

The Company has been approved for its quality products by major organizations

and supplies its products to Steel Plant, Petrochemical plants, Nuclear power plants, Oil Exploration,

Construction Company's, Fertilizer plants, Pulp & Paper Industries, Thermal Power Plants, Sugar Plants.

Industries and other major process Industries.

# Administrative Details

## OUR QUALITY POLICY

### "TOTAL CUSTOMER SATISFACTION IS OUR GOAL"

To achieve this we manufacture & Supply Quality Industrial Valves as per the Standard and customer requirements, at right time through Continuous Improvements in our process and personnel.



Factory and Reg. Office :



**Shri Mrityunjay S. Marol**  
Managing Director

### Licensee & Dealers

- Karnataka
- Goa
- Maharashtra
- Tamilnadu
- Gujarat
- Madhy Pradesh
- Orissa
- Chhattisgrah
- Punjab
- Delhi
- Jarkhand

**Microtech India**  
S-11, S-12, M. T. Sagar,  
1st Gate, Industrial Estate Gokul Road,  
HUBLI - 580 030. (State Karnataka)  
E-mail : [marketing@microtech.org.in](mailto:marketing@microtech.org.in)  
Website : [valvemanufacturers.in](http://valvemanufacturers.in)



Marketing Office



## Valued Clients



**JSW Steel Limited, Toranagallu & Dolvi.**



**The Mahatma Gandhi SSK Ltd. Sindagi.**



**The West Coast Paper Mills Ltd. Dandeli.**



**The Mysore Paper Mills Ltd. , Bhadravati.**



**Shri Renuka Sugars Ltd.,**



**Davanagere Sugar Co., Ltd., Kukawada**



**The Nandi Sahakari Sakkare Karkhane Niyamit, Bijapur**



**The Ghataprabha Sahakari Sakkare Karkhane Niyamita.**



**G M Sugars & Energy Pvt. Ltd. Sangur Haveri**



**Dnyanayogi Shri Shrivakumar Swamiji Sugars Ltd., Hirebevanur**



**Vijayanagar Sugars Pvt. Ltd., Mundargi**



**NSL Sugar Ltd., Maddur**



**Gem Sugar Limited, Kundargi, Bagalkot**



**Shri Chamundeshwari Sugars Ltd., Maddur**



**The India Sugars & Refineries Ltd. Chiaawadagi, Hospet**



**Parry (GMR Group) Sugars Ltd., Ramadurga**



**Coromandel Sugars Ltd., Makavalli, K. R. Pet.**



**The Ugar Sugar Works Ltd., Ugar Khurd**



**Bilagi Sugars Ltd., Bilagi**



**Manali Sugar Ltd., Sindagi Bijapur**



**Shivasagar Sugars & Agro Product Ltd., Udapadi**



**Shri Basaveshwar Sugars Ltd. Karjol**



**Weir BDK Group of Company, Hubli**

## Valued Clients



**Vishvesharaya Iron and Steel Palant, Bhadravati**



**Nuclear Power Corporation of India Ltd., Kalga**



**Karnataka Power Corporation Ltd, Raichur & Kadra**



**BMM Ispat Ltd., Danapur**



**Kalyani & Mukund Steel Plant Ltd., Hospet**



**Samsons Distileries Pvt. Ltd., Davanagere**



**Microfinish Valves Product Pvt. Ltd.**



**Shri Doodhganga Krishna Sahakari Sakkare Karkhane**



**Aditya Birla Chemicals Ltd. Binaga, Karwar.**



**Jagaruti Sugars Ltd., Latur**



**Rajgad Sugars Ltd., Maharashtra**



**Deshbhakta Ratnappa Kumbar Panchaganga S.S.K. Ltd., Ichalkranji**



**Managanga Sahakari Sakhar Karkhana Ltd., Atpadli**



**Sonhira Sahakari Sakhar Karkhana Ltd. Wangi, Maharashtra**



**Gurudatta Sugars Ltd., Maharashtra**



**Sha Wallace Ltd., Goa**



**SaiSidha Sugar Equipment & Engineering Co. Pvt. Ltd., Pune**



**Sesa / Sterlite Goa Ltd. Goa.**



**Mc. Dowells, Goa**



**Bhushan Steel Ltd.**



**Bukaro Steel Plant**



**Audco India Ltd., Chennal**



**Sanjeevini SSK Ltd. Tiska, Goa.**



**Jawaharlal Nehru Sahakari Agi. Prod. Processing Society Ltd.MP**



**Dalmia Sugar Ltd. Kolhapur.**

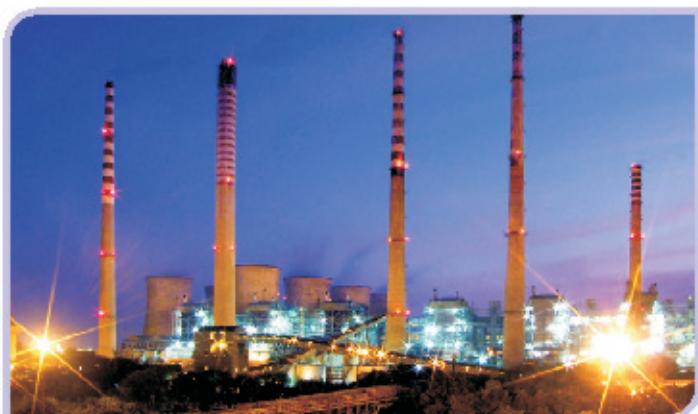
## Valued Clients



**JSW STEEL LTD., TORANAGALLU, BELLARY**



**SHREE RENUKA SUGARS LTD.**



**THERMAL POWER CORPORATION LIMITED, RAICHUR**



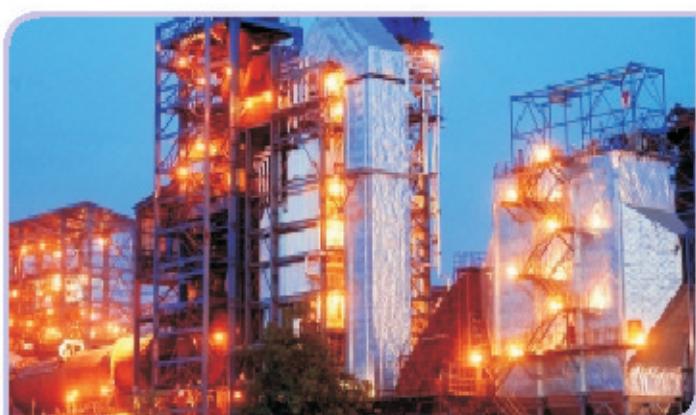
**NUCLEAR POWER CORPORATION OF INDIA LTD., KAIGA**



**SRI SHIVASAGAR SUGAR & AGRO PRODUCTS LTD.**



**WEST COAST PAPER MILLS, DANDELI**



**BHUSHAN STEEL LTD.**



**THE UGAR SUGAR WORKS LTD.**

Since 1992



BORN TO ACHIEVE

## Never Compromise in Quality

Jocobin Cuckoo  
It Drinks rain  
water only



Jocobin Cuckoo (Chatha) Bird only drinks rain water drop by drop as it pouring down. However thirsty it may be, it does not drink any other kind of water, not from the streams, rivers or collected rainwater. It is said that this bird can live for many days without water. But when it gets thirsty it calls on Megh(a) (the rain lord) to make it rain. And it is said that its call is always answered.

Since 1992



# MICROTECH

## Our Brand Competing with.....

### THE UGAR SUGAR WORKS LTD

Factory:At.post: Malli: Tal: Jewaragil(Dist:Gulbarga) Karnataka Ph (08442)220143/144, Fax: 220142 Email: enquiry@ugarsugar.com

VAT Tin No.29520007001C., ECC No AACT 7580 R XM 004,

Range : Superintendent Of Central Excise, Range 'A' Gulbarga 585 104.

Division : Assistant Commissioner of Central Excise, Behind TV Station, Gulbarga 585 104.

#### Request For Quotation

Page: 1 OF 3

Vendor Code: 1101206 MICROTECH INDIA INDUSTRIAL ESTATE GOKUL ROAD, S-11 & S-12 M.T.SAGAR 1ST.GATE HUBLI - 580030 Email Id: microtechmarol_@rediffmail.com	RFQ. NO : 6000031702 -(2014-52-37) RFQ Date: 06.06.2014 Due Date : 15.06.2014
	Your PAN No. : TIN/VAT No. : CST.NO. :

Please quote your lowest rates for the following items:

SLNo	Part No.	Quantity	UOM	Rates
1	123070000003	2.000	NOS	C.I. SLUICE VALVE 2" NB, NON RISING SPINDLE, PN-10, IS- 780, AS PERTABLE "E" FLANGED ENDS, TESTED UP TO 10 KG/ CM SQ AND 90 DEGREE C. TEMP. KIRLOSKAR MAKE. / <b>MICROTECH MAKE</b>
2	123070000016	1.000	NOS	C.I. SLUICE VALVE 3" NB, NON RISING SPINDLE, PN-10, IS- 180-1980, AS PERTABL FLANGED ENDS, TESTED UP TO 10 KG/ CM SQ AND 90 DEGREE C. TEMP. KIRLOSKAR MAKE. / <b>MICROTECH MAKE</b>
3	123070000017	2.000	NOS	C.I. SLUICE VALVE 4" NB, NON RISING SPINDLE, PN-10, IS- 180-1980, AS PERTABL FLANGED ENDS, TESTED UP TO 10 KG/ CM SQ AND 90 DEGREE C. TEMP. KIRLOSKAR MAKE. / <b>MICROTECH MAKE</b>
4	123072000006	1.000	NOS	G.M. WHEEL (GLOBE) VALVE 1" NB, FEMALE THREADING, HEAVY DUTY, TESTED AT300 LBS/SQ. INCH <b>LEADER MAKE. / MICROTECH MAKE</b>
5	123073000003	9.000	NOS	G.M. SLUICE VALVE 1/2" NB, HEAVY DUTY, FEMALE THREADING , TESTED AT 300LBS/SQ. INCH. <b>LEADER MAKE. / MICROTECH MAKE</b>
6	123073000005	17.000	NOS	G.M. SLUICE VALVE 1" NB, HEAVY DUTY, FEMALE THREADING, TESTED AT 300LBS/SQ. INCH, <b>LEADER MAKE. / MICROTECH MAKE</b>
7	123073000007	2.000	NOS	G.M. SLUICE VALVE 1.1/2" NB, HEAVY DUTY, FEMALE THREADI NG, TESTED AT300 LBS/SQ. INCH <b>LEADER MAKE. / MICROTECH MAKE</b>
8	123073000008	4.000	NOS	G.M. SLUICE VALVE 2" NB, HEAVY DUTY, FEMALE THREADING, TESTED AT 300LBS/SQ. INCH, <b>LEADER MAKE. / MICROTECH MAKE</b>
9	123073000016	10.000	NOS	G.M. SLUICE VALVE 3/4" NB, HEAVY DUTY, WITH FLANGE, TES TED AT 300LBS/SQ.INCH, <b>MICROTECH MAKE</b>
10	123073000017	12.000	NOS	G.M. SLUICE VALVE 1" NB, HEAVY DUTY, WITH FLANGE, TESTE D AT 300LBS/SQ.INCH, <b>MICROTECH MAKE</b>

Since 1992



# MICROTECH

## Our Brand Competing with.....



### KARNATAKA POWER CORPORATION LIMITED (A GOVT OF KARNATAKA ENTERPRISES)

#### PURCHASE ENQUIRY

KST No : 70100202 Dated: 03/09/1984  
KST No : 70150205 Dated: 03/09/1984  
TIN No : 29450402266 Dated: 13/09/2005  
CIN-U85110KA1970GCC001919

OFFICE OF THE  
SUPERINTENDENT ENGINEER (STORES &  
PURCHASE)  
RAICHUR THERMAL POWER STATION, KPCL  
SHAKTI NAGAR, PIN- 584170  
Phone 8532246151 Fax 8532246121  
Mail : [sesptp@gmail.com](mailto:sesptp@gmail.com)

**PURCHASE ENQUIRY NO SESPLN/MAZ/AIHP/2/15-16/706**      **DATE : 07/11/2015**

**LN**

TO,  
M/s

**MICROTECH INDIA**  
UNIT S-11 & S-12, MT. SAGAR, 1 ST GATE, INDUSTRIAL ESTATE,  
GOKUL ROAD  
City: HURLI  
PIN : 584030  
PHONE, Mail : [micromarvel@rediffmail.com](mailto:micromarvel@rediffmail.com)  
CELL : 9441619523

SUP TIN: 29710026248

Sir,

Please send your quotation /Offer with terms and conditions for the materials specified in the table below.

SL	Item Code	Item Name & Specification	Unit	Required Quantity
1	2701010046	20MM GATE VALVE BRASS	NUMBERS	4
2	2701010054	25MM GATE VALVE BRASS	NUMBERS	4
3	2701010099	30MM GATE VALVE BRASS	NUMBERS	4
4	2701100053	25MM GATE VALVE Socket Weld End, Material : FCS, Class 1500, Flow Media : Fluorophosphate Sodium Solution, Working Press : 170 Ksc, Temp : 50 Deg, Make KSB/Microtech.	NUMBERS	4
5	2701100053	150MM CI GATE VALVE BDK/Andco/Microtech/Leader or Equivalent make, Rising stem, Flanged (Flat Face) ends drilled to ASA-B 16.5, Spindle ss-410, Liquid handled-clarified water, Class-150	NUMBERS	3
6	2701293099	CAST IRON GATE VALVE SIZE 65MM Rating 14 Kg/Cm <sup>2</sup> , rising out side Screwed and yoke, flanged. (Flat face) Ends drilled to ASAB-16.5, Bited bonnet, Solid wedge disc, bonnet gasket asbestos (CAF) Body seat ring, Disc seat ring and back seat Bronze (ASTMB 62), Seat Body and disc removable, Test pressure shell test 25 kg/Cm <sup>2</sup> , Seat : 16 kg/Cm <sup>2</sup> Back seat 16kg/Cm <sup>2</sup> , spindle ss-410 Liquid handled-clarified water ISI Standard BDK/Andco/Microtech/Leader or Equivalent make,	NUMBERS	4
7	2701301148	200MM RISING STEM GATE VALVE BDK/Andco/Microtech/Leader or Equivalent make, Rising stem, flanged (flatface) end drilled to asab-16.5, spindle ss-410, liquid handled	NUMBERS	2

09-NOV-15 10:55:26

Since 1992



# **MICROTECH**

## **Our Brand Competing with.....**

ALL TRANSACTIONS SUBJECT TO JURISDICTION OF BIDAR

### **THE BIDAR SAHAKARA SAKKARE KARKHANE LTD., BIDAR**

HALLIKUDI ST 585 115, Dist. Bidar (Karnataka State)

Telegram: "BIDARSUGAR BIDAR"

E-mail [bsklttd@bsnl.in](mailto:bsklttd@bsnl.in)

Phone: 08483-274778 (Off.)

08483-274427 (Fax)

KST No. 60300036	Central Excise Range:- BIDAR
CST No. 60300039	Central Excise Division :- GULBARGA
TIN No. 29310055374	Collectorate :- BELGAUM
	Our Central Excise No. AAAA Bo-378 FXM 001

### **PURCHASE ORDER**

<b>To,</b> M/s. Microtech India. S-11&S-12, M.T Sagar 1st Gate Industrial Estate, Gokul Road HUBLI – 580 030	Order No. Dated: Quotation No. Date Negotiations date Approved by Date	2015-16/7/4-23 26-11-2015 <b>TBSSKL/MI-311-N/2015-16</b> 21-10-2015 22-11-2015 Board 22-11-2015
--	--	---

Referring to your above cited offer followed with negotiations meeting indicated above we are pleased to place order with you for supply of following materials on the terms conditions stated below.

S.No.	Materials Description	Quantity	Rate	Unit
I	C.I Sluice/Gate valve (Non-IBR) Make: Kirloskar/Calson/Microtech Hubli Type: Non Raising, Hand operated. Rating: Class 150, PN 1.0, ENDS: Flanged ANST B/16.5 RF, Class 150 (PN-10) table 'D' Flange Material Construction: C.I IS:210 Gr FG 200/ASTM-A-216 Gr WCB steam/Seat Hng seal-SS-304, Working Pressure & Temp – Hydraulic test 10Kg/Cm2. At temp :80°C			
1	2" (50 mm)	12 Nos		Each
2	3" (75 mm)	12 Nos		Each
3	4" (100 mm)	12 Nos		Each
4	6" (150 mm)	10 Nos		Each
5	8" (200 mm)	10 Nos		Each
	Terms and Conditions			
	a) FOR: Ex Works b) Taxes: CST 2% Extra (Sale in transit) c) ED: Extra 12.5% Extra against MODVAT d) P&F: Nil e) Payment: 25% advance balance against proforma Invoice f) Delivery Period: 2 week			
	Note: Please find enclosed here with a DD/Cheque/RTGS bearing No. _____ dt _____ For Rs, 1,51,897-00 (Rs, One lakh fifty one thousand eight hundred ninety seven only) towards the 25% advance of above order.			

Kindly acknowledge the receipt of order and confirm per return post.  
Thanking you,

Yours faithfully,  
Sd/-

**Managing Director  
BSSK Ltd., Bidar**

Encl:-

Copy to:-	1) The CC,	2) The C.E.	3) The GM/Plant
	4) The A.O.	5) The S.K.	6) The cashier for arranging DD/Cheque

Since 1992



**MICROTECH**

**Our Brand Competing with.....**



ಶ್ರೀ ದೂಧಗಂಗಾ ಕೃಷ್ಣ ಸಹಕಾರಿ ಸೆಕ್ಟರ್ ಕಾರ್ಖನೆ ನಿಯಮಿತ,

ಚಿಕೋಡಿ, ಬೆಳ್ಗಾಂಡು ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಕರ್ನಾಟಕ

Shree Doodhaganga Krishna Sahakari sakkare Karkhane Niyamit,

CHIKODI. - 591 247. Dist.Belgaum Karnataka State.

Gram : "GANGASUGAR" : 257200 T.O 05 | 15 Lines| Fax : 08338-276105 e-mail : pr.dksugur@gmail.com

No: PRS/Mech/Valves/2015-16/ 1813

PURCHASE ORDER

Date: 24/08/2015

29

To,

Microtech India  
1<sup>st</sup> Gate, Industrial Estate  
Gokul Road Hubli-590030  
Ph.No : 0836-2210624  
Email : marketing@microtech.org.in

Sub: Order for Supply of Valves.

Ref: 1) Our Enquiry No : P-58 dtd : 22/05/2015.

2) Your Quotation No 6 dtd 23/05/2015.

3) Negotiation held with you in RC meeting dtd 02/06/2015.

Sir,

Your rates for supply of materials are accepted & order is placed with you for supply of Following materials as per our specific terms & conditions as specified below:

Sl.No	Material Description	B.C. No	Qty	Unit	Rate	Amount
1	Cast Iron Flanged Sluice Valve with ISI <b>Mark, Kirloskar / Calsonic/Marek/ Thorat / Microtech Make</b> , Duly Drilled as per Table D and Tested to 7.5 Kg/Cm <sup>2</sup> & as per IS:14846 pr rating PN1.6					
a	40 mm	P-45	2	Nos		
b	50 mm	P-46	2	Nos		
c	65 mm	P-47	2	Nos		
d	80 mm	P-48	2	Nos		
e	100 mm	P-49	3	Nos		
f	125 mm	P-50	3	Nos		
g	150 mm	P-51	3	Nos		
h	200 mm	P-52	2	Nos		
i	250 mm	P-53	2	Nos		
j	300 mm	P-53C	1	Nos		
2	Cast Iron flanged Non – return valve ( swing check type) duly tested to 7.5 Kg/Cm <sup>2</sup> & drilled as per Table D. <b>Mark/Kirloskar / Calsonic/Marek/ Thorat / Microtech Make</b>					
a	50 mm dia	P-58	2	Nos		
b	65 mm dia	P-59	2	Nos		
c	80 mm dia	P-60	2	Nos		
d	100 mm dia	P-61	2	Nos		
e	150 mm dia	P-63	2	Nos		
3	Cup metal flanged sluice valve <b>Lender/ Bajaj / Microtech Make</b> with ISI mark & tested to 7.5Kg/Cm <sup>2</sup>					
a	20 mm dia	P-9	20	Nos		
b	25 mm dia	P-10	20	Nos		
c	50 mm dia	P-12	5	Nos		

# Quality Excellence

We have a separate quality control department under Excellent and Experience Engineers. This quality Control department takes care of quality at different stages of the process i.e. right from raw material inward to finished product stage and procuring the all castings from EIL and IBR approved with Wellknown foundries.

## LIST OF CERTIFICATES WITH REGISTRATION, APPROVALS & THIRD PARTY INSPECTION

- ISO-9001 Certified
- IBR Certificate for Boiler Applications
- Indian Register of Shipping (IRS)
- The Sugar Technologist Association of India
- NSIC - for govt. Sectors
- BVQI - Bangalore
- TUV
- MECON
- NPCIL
- Germanischer Lloyds
- Lloyds Register



Others Agencies like UdayIndia all Reputed Agencies will Arrange on Customers Demand.

And we here by mentioned records to the perfection.

We thank you for going through this profile, and also we assure you that we will give you full co-operation, and we promise you that we will work for you till your satisfied. And we also hope that let this business relation will be long lasting.

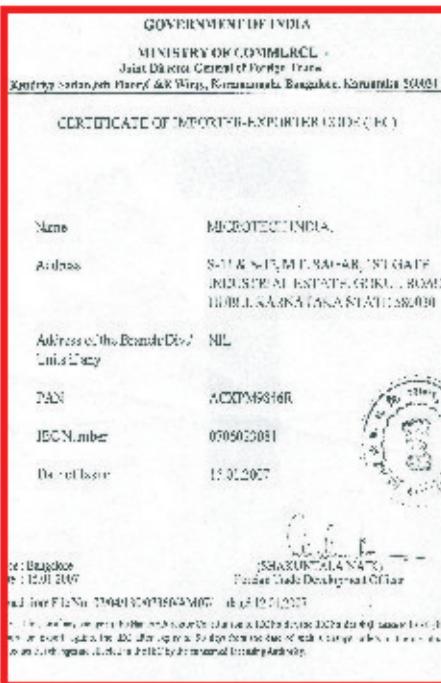




### N.S.I.C. APPROVED



### I.E. APPROVED



### ISO 9001:2008



### MEMBER

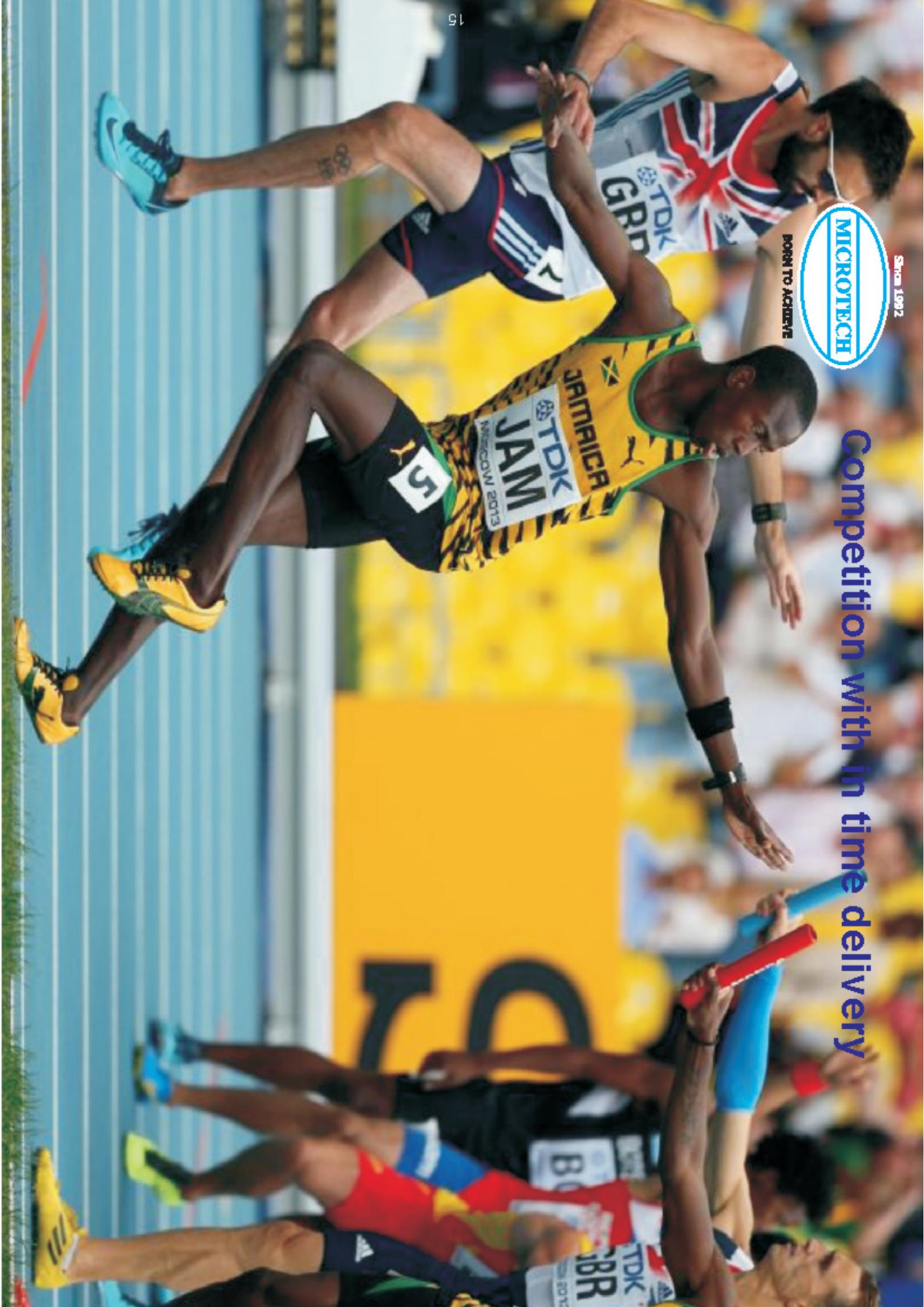




Since 1992



Competition with in time delivery



# MICROTECH INDIA LIST OF PRODUCTS

Sl. No.	Description	MOC	Size	Pressure Rating	Remarks
1.	Gate Valve	WCB/CI/ CF8/CF8M/A- 105/CF3M	15mm to 700mm	150#/300#, 600#800#	S/E, F/E, SWE, BWE
2.	Globe Valve	WCB/CI/ CF8/CF8M/A- 105/CF3M	15mm to 600mm	150#/300#, 600#800#	S/E, F/E, SWE, BWE
3.	Check Valve	WCB/CI/ CF8/CF8M/A- 105/CF3M	15mm to 600mm	150#/300#, 600#800#	S/E, F/E, SWE, BWE
4.	Ball Valve	WCB/CI/ CF8/CF8M/A- 105/CF3M	6mm to 300mm	150#, 300#, 600#, 900#, 1500#	S/E, F/E, SWE
5.	Needle Valve	SS-410/304/316	06mm to 50mm	150#, 300#, 600#, 900#, 1500#	S/E, SWE
6.	Butterfly Valve	WCB/CI CF8/CF8M	50mm to 600mm	PN10/PN16 /150#/300#	Wafer Type, Lug Type, F/E
7.	Sluice Valve	CI	15 to 500mm	PN-16, PN-10	Flanged End
8.	Non Slam Check Valve	EN18/EN30, WCB/CF8/CA 15	6mm to 100mm	150#, 300#	Wafer Type
9.	Plug Valve	WCB/CI/ CF8/CF8M/A- 105/CF3M	50mm to 600mm	PN10/PN16 /150#/300#	S/E, F/E, SWE, BWE
10.	Diaphragm Valve	WCB/CI/ CF8/CF8M/A- 105/CF3M	50mm to 600mm	PN10/PN16 /150#/300#	S/E, F/E, SWE, BWE
11.	Strainer Valve	WCB/CI/ CF8/CF8M/A- 105/CF3M	50mm to 600mm	PN10/PN16 /150#/300#	S/E, F/E, SWE, BWE

**Manual / Pneumatic Operated & Electrical Operated as Per the Requirements ETC**

# Quality, Competitive, Delivery are lasts long... really long

## API - 600 CAST STEEL GATE VALVE



### Features



Application	: Outside Screw and yoke type, Bolted Bonnet Rising Spindle Design Used for Gas, Steam, Petrochemical & Oil supply upto -29°C to 425°C
Design	: Petrochemical, Refinery, Steel Plants, Pulp & Paper Industries, Chemicals & Fertiliser Industries, Sugar Plants & Process Industries
Testing Standard	: API - 600 Bolted Bonnet, OS & YT, Rising Stem, Handwheel Operated
Type	: API-598
Size Range	: Rising Valve
Rating	: 50mm to 1000mm
Ends	: Class - 150 / Class-300 / Class-600 / Class-900 / Class-1500
Material of Const.	: Ranged - ANSI B 16.5 RF Class 150 / PN-10 / Customer Spec.
Body	: CS-ASTM A 216 Gr. WCB / CF8 / CF8M
Trim	: 13% Cr Steel / AISI 410 / 304 / 316 / Stellite overlay
Working Pre./Temp	: Hydro Test Pressure : Body Shell - 30 Kg/cm², Seat - 22 kg/cm², Pneumatic 6.9 kg/cm²
Temp Range	: -29°C to 425°
Operation	: Handwheel Operated / Actuator Operated

## CAST STEEL GLOBE VALVE



### Features



Application	: Petrochemical, Refinery, Steel Plants, Pulp & Paper Industries, Chemicals & Fertiliser Industries, Sugar Plants & Process Industries
Design	: BS1873
Testing Standard	: BS-6755 Part-1/API-598
Type	: Rising Valve
Size Range	: 50mm to 1000mm
Rating	: Class 150 / Class 300 / Class 600 / Class 900 / Class 1500
Ends	: Ranged ANSI B 16.5 RF Class 150 / PN-10 / Customer Spec.
Material of Const.	: CS-ASTM-A216, Gr WCB/CF8/CF8M
Body	: 13% Cr Steel / AISI-410, 304, 316 and Stellite Overlay
Trim	: Hydro test pressure Body Shell 30kg/cm², seat -22kg/cm² pneumatic 6.9 kgcm²
Working Pressure	: Handwheel Operated / Actuator Operated
Operation	

## CAST STEEL SWING TYPE CHECK VALVE (NRV)



### Features



Application	: Petrol chemical refinery steel plant power plant, pulp & paper industries chemical & fertiliser industries, process industries and water works.
Design Standard	: BS 1868 Swing Type / API - 594
Testing Standard	: BS 6755 (Part-1) / API - 598
Type	: Non Return type flanged end / Swing type flanged end.
Size Range	: 50mm to 1000mm
Rating	: Class 150 / Class 300 / Class 600 / Class 900 / Class 1500
Ends	: Ranged End Drilling B16.5 Class-150 & IS-1598 PN - 10 & PN-16
Material of Const.	: Cast Steel ASTM A-216 Gr. WCB & CF8 / CF8M
Body	: SSAISI-304 / 410 / SS AISI - 304 / 410
HingPin/StopPin/Spring	: 13% Cr Steel / AISI 410 / Stellite overlay
Body Seat Facing	: 21kg/cm² Shell 31kg/cm² Temp. -29°C 425°
Working Pre./Temp	: Self Operated
Operation	



RIGHT ANGLE VALVE



DUAL PLATE CHECK VALVE



KNIFE EDGE GATE VALVE



ISOLATED VALVE



STOP VALVE

## SLUICE GATE VALVE



**IBR**

### Features

#### Application

- Inside & Outside Screw and yoke type, Bolted Bonnet, Rising & Non Rising spindle design, user for water supply upto 80 deg C
- Water works, Sugar plants, Pulp & Paper Industries, Chemical & Fertiliser Industries, Process Industries.

IS : 14846 (IS-780) and BS-1414

BS : 6755 (Part-1) & API-598

Rising & Non Rising Valve

50mm to 1200 mm

PN 1.0 and PN 1.6 and Class-150

Ranged ends ANSI-B16.5 FE-RF to 'D' table, PN-10 IS-1538 & to suit customer requirements

#### Material of Const

Body/Bonnet/Wedge

Brass/SS 410/SS 304/SS 316

CAF/Graphite Asbestos

For CI-SLV Valve Hydro seat-10kg / cm<sup>2</sup> shell 15kg/cm<sup>2</sup> Temp 40 deg-80 deg C. For CS GTV - working pressure # 150 seat 22kg/cm<sup>2</sup>, shell 30kg/cm<sup>2</sup> Air 6.9kg/cm<sup>2</sup> Back seat 22kg/cm<sup>2</sup> Temp -50 deg - 180 deg C.

#### Working Pre./Temp

Operation

Handwheel Operated (Standard) & Actuator available on customer demand.

## CAST IRON GLOBE VALVE

**IBR**



### Features

#### Application

Rising Spindle Bolted Bonnet

Water Works, Sugar Plants, Pulp & Paper Industries, Chemical & Fertiliser Industries, Process Industries

BS 5152 / API 600 / ANSI B 16.34

BS 6755 / API 598

Rising Spindle

50mm to 1000mm

150#, 300#, 600#, 800#, 900#, 1500# & PN 10 to PN 100

Flanged End

Cast Iron - GG25 / IS 210 Gr. FG 200 / 220

S.S.AISI 410 / Bronze

Hydro seat : 10 Kg/Cm<sup>2</sup>,

Shell : 15Kg/Cm<sup>2</sup>, Tem : 40° to 80°.

Manual Hand Wheel/Actuator/

Gear Operated

## CAST IRON SWING CHECK VALVE (NRV)

**IBR**

### Features

#### Application

Single Casting Construction with Double Flanged Swing Type Check Valve with Simple Design and highly Precision for Hydraulic self flow control.

Water Works, Sugar Plants, Pulp & Paper Industries, Chemical & Fertiliser Industries, Process Industries

BS-1888 / Class-150#/PN-10

BS 6755 / API 598

Rising Spindle

50mm to 1000mm

150#, 300#, 600#, 800#, 900#, 1500# & PN 10 to PN 100

Flanged End

Cast Iron - GG25 / IS 210 Gr. FG 200 / 220

S.S.AISI 410 / Bronze

Body Seat Facing

S.S.AISI 410 / Bronze

Working Pressure/Temp :

Hydro seat : 10 Kg/Cm<sup>2</sup>,

Shell : 15Kg/Cm<sup>2</sup>, Tem : 40° to 80°.

Operation

Self Operated.



BRONZE & GUN METALS VALVE



WAFER TYPE CHECK VALVE



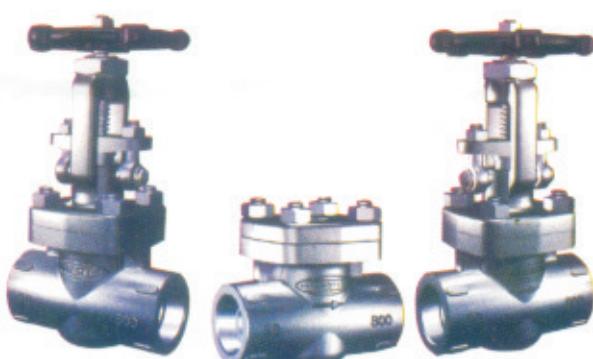
BUTTERFLY VALVE



SLUICE & CAST STEEL GATE VALVE

# Quality, Competitive, In Time Delivery are lasts long... really long

## FORGED STEEL GATE GLOBE & CHECK VALVE **IBR**



Features	
Application	
Design Standard	
Testing Standard	
Type	
Size Range	8mm to 50mm
Rating	Class-800 / Class 1500
Ends	Screwed ends to BSP/BSPT/NPT Socket weld ends to ASME B16.11 Butt weld ends to ASME B16.25 (Flanged end also)
Material of Const.	A105/F804/F316
Body / Bonnet/Cover	CA15/CF8/CF8M
Wedge/Disc	SS410/SS304/SS316
Seating	SPW SS304 Asbestos filled
Gasket	Pneumatic Test 7kg/cm <sup>2</sup> , Hydro Test 210kg/cm <sup>2</sup> , 180° to 425°C
Working Pre./Temp	
Operation	Handwheel Operated (Standard)

## NEEDLE VALVE

### IBR



Features	
Application	Single Piece robust body construction, screwed-in bonnet with aesthetically & functionally designed Handwheel with powder coated painting.
Design Standard	Pneumatic system, Airlines, Steamlines, Gas & Oxygen, Acetylene Industries.
Testing standard	Manufacturer's standard
Type	BS : 6755 (Part-1)
Size Range	2 way & 4 way Port Valve
Rating	3mm to 50mm
Ends	Class-800 / Class 1500
Material of Const.	Screwed Male / Female ends to BSP / BSPT / NPT Socketweld ends to ASME B16.11
Body / Bonnet	SS410/SS304/SS316
Needle	SS410/SS304/SS316
Packing/Seal	PTFE/PA12
Working Pre./Temp	Pneumatic Test 7kg/cm <sup>2</sup> , Hydro Test 210kg/cm <sup>2</sup> , 180° to 425°C
Operation	Handwheel Operated (Standard)

## BALL VALVE WITH PNEUMATIC & ELECTRICAL ACTUATOR

Features	Single Piece, Two Piece & 3 Way L-Port & L-Port floating type fire safe quarter turn Valve for On-Off Service & Anti-Static Design
Application	Petrol-chemical, Fertilizer Oil & Gas, Sugar, Pulp & Paper, Steel Industries and Power Plants
Design Standard	BS : 5351, BS EN ISO : 17292-2004
Testing Standard	BS : 6755 (Part-1)
Type	Full Bore/Reduce Bore
Size Range	15mm to 250mm
Rating	Class 150 and Class 300
Ends	Flanged Ends to ANSI B : 16.5 Raised face/Flat face.
Material of Const	Body/Side Piece : A216-Gr. WCB/CF8/CF8M
Trims	SS410/SS304/SS316
Working Pre./Temp	15Kg /Cm - 40kg /cm 180°C - 200°C
Seat and Seals	PTFE/GFT/RPTFE/Metal Seat for high Temperature
Operation	On-Off Type Modulating Controlled



## IRS Approved Valves



Quick Valve



SD8L Globe Valve



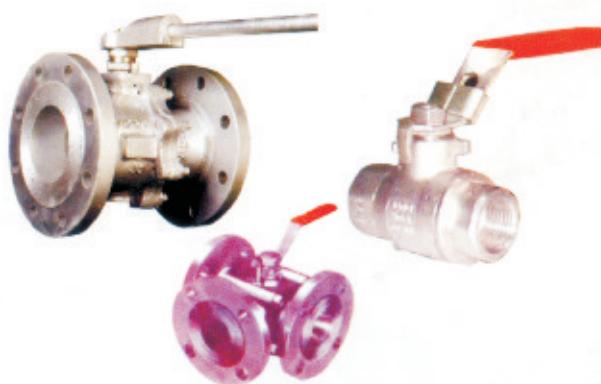
Fire Hydrant Valve



SDNR Valve

# Quality, Competitive, Delivery are lasts long... really long

## FLANGED END BALL VALVE



### Features

- : Single Piece, Two Piece & 3 way L-Port & T-Port floating type fire safe Quarter turn Valve for On-Off Service Anti-Static Design
- : Petro-chemical, Fertilizer, Oil & Gas, Sugar, Pulp & Paper Industries and Power plants.
- : BS:5351, BSENISO : 17292-2004
- : BS:6755 (Part-1)
- : Full Bore / Reduced Bore
- : DN15 TO DN 300
- : Class 150 and Class 300
- : Flanged ends to ANSI B16.5 Raised face/Flat face
- : Body/Side Piece: A216-Gr.WCB/CF8/CF8M
- : SS410/SS304/SS316
- : 15Kg/Cm<sup>2</sup> - 40Kg/Cm<sup>2</sup> 180° - 200° C
- : PTFE/GFT/RPTFE/Metal Seat for high temperature
- : Lever Operated upto DN100FB
- : Gear operated DN150 FB and above.

## BUTTERFLY VALVE WITH PNEUMATIC & ELECTRICAL ACTUATOR



### Features

- : Lugged / Solid wafer type design with 90° turn valve for On Off services.
- : Water works, Sugar Plants & Pulp & Paper Industries.
- : AWWA-C-604, BS-6155, API-609
- : Lugged wafer type/Solid wafer type
- : 40mm to 300mm
- : Class 150 / PN -10
- : Lugged / Solid
- : CI, SG, WCB, CA-15, CF8, CF8M
- : SS-410, SS-304, SS-316 & EN-19
- : Neoprene, Nitrile, EPDM < Hypalon, Butyle, Silicon, Nordel, PTFE etc.
- : Ebonite/Rubber (Center Disc)
- : 24Kg/Cm<sup>2</sup> 200° with Synthetic Rubber
- : Hand lever operated upto 150mm. Above 150mm - 300mm Gear Operated

## Y TYPE STRAINER, FLANGED END CLASS -150 to 600



### Features

- : Straining all types of liquid flows with implemented Dust remover facility.
- : Petrol chemical refinery steel plant power plant, pulp, paper industries Chemicals, fertilizer industries, process industries and water works.
- : Manufacturing Standard & Others
- : Y Type Basket Type, T Type & Customized
- : 50mm to 1000m
- : Class 150/ Class 300/ Class 600
- : Flanged End Drilling B16.5 Class #150 & IS -1538 PN-10 & PN -16
- : Cast Steel ASTM A -216GrWCB / CF8/CF8M & CI
- : Perforated Screen Dia 1.4mm with 233 holes (Approx per Square Inch) or Customize
- : Working Pre/Temp : 8bar 31Kg/cm<sup>2</sup> Temp-29°C 425°



PRESSURE RELIEF VALVE



CI DOUBLE SEAT VALVE



BUTTERFLY VALVE



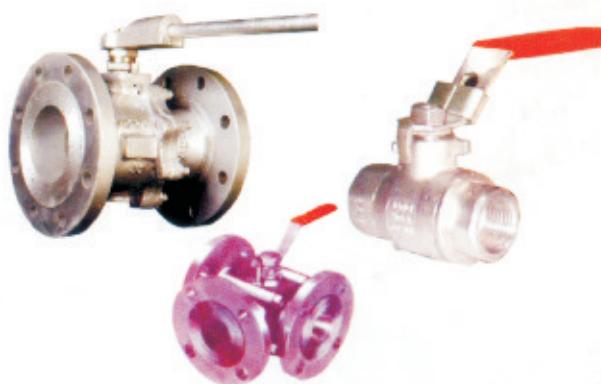
SWING TYPE CHECK VALVE



CI GLOBE VALVE

# Quality, Competitive, Delivery are lasts long... really long

## FLANGED END BALL VALVE



### Features

- : Single Piece, Two Piece & 3 way L-Port & T-Port floating type fire safe Quarter turn Valve for On-Off Service Anti-Static Design
- : Petro-chemical, Fertilizer, Oil & Gas, Sugar, Pulp & Paper Industries and Power plants.
- : BS:5351, BSENISO : 17292-2004
- : BS:6755 (Part-1)
- : Full Bore / Reduced Bore
- : DN15 TO DN 300
- : Class 150 and Class 300
- : Flanged ends to ANSI B16.5 Raised face/Flat face
- : Body/Side Piece: A216-Gr.WCB/CF8/CF8M
- : SS410/SS304/SS316
- : 15Kg/Cm<sup>2</sup> - 40Kg/Cm<sup>2</sup> 180° - 200° C
- : PTFE/GFT/RPTFE/Metal Seat for high temperature
- : Lever Operated upto DN100FB
- : Gear operated DN150 FB and above.

## BUTTERFLY VALVE WITH PNEUMATIC & ELECTRICAL ACTUATOR



### Features

- : Lugged / Solid wafer type design with 90° turn valve for On Off services.
- : Water works, Sugar Plants & Pulp & Paper Industries.
- : AWWA-C-604, BS-6155, API-609
- : Lugged wafer type/Solid wafer type
- : 40mm to 300mm
- : Class 150 / PN -10
- : Lugged / Solid
- : CI, SG, WCB, CA-15, CF8, CF8M
- : SS-410, SS-304, SS-316 & EN-19
- : Neoprene, Nitrile, EPDM < Hypalon, Butyle, Silicon, Nordel, PTFE etc.
- : Ebonite/Rubber (Center Disc)
- : 24Kg/Cm<sup>2</sup> 200° with Synthetic Rubber
- : Hand lever operated upto 150mm. Above 150mm - 300mm Gear Operated

## Y TYPE STRAINER, FLANGED END CLASS -150 to 600



### Features

- : Straining all types of liquid flows with implemented Dust remover facility.
- : Petrol chemical refinery steel plant power plant, pulp, paper industries Chemicals, fertilizer industries, process industries and water works.
- : Manufacturing Standard & Others
- : Y Type Basket Type, T Type & Customized
- : 50mm to 1000m
- : Class 150/ Class 300/ Class 600
- : Flanged End Drilling B16.5 Class #150 & IS -1538 PN-10 & PN -16
- : Cast Steel ASTM A -216GrWCB / CF8/CF8M & CI
- : Perforated Screen Dia 1.4mm with 233 holes (Approx per Square Inch) or Customize
- : Working Pre/Temp : 8bar 31Kg/cm<sup>2</sup> Temp-29°C 425°



PRESSURE RELIEF VALVE



CI DOUBLE SEAT VALVE



BUTTERFLY VALVE



SWING TYPE CHECK VALVE



CI GLOBE VALVE

## Corporate Details

Name of the company	: <b>MICROTECH INDIA</b>
Factory and Reg. Office Address	: S-11 & S-12, M.T. Sagar, 1 <sup>st</sup> Gate, Industrial Estate, Gokul Road, HUBLI - 580 030, Karnataka-India
Contact Persons	: Mrityunjay S. Marol, M.D. Praveen S. Kalal, Gen. Manager Works Cell : 9880245867 Suresh K. Wagmode, Marketing Executive Cell : 9481649523
Communication to	: Phone : (0836) 2210624 Fax : (0836) 2333595 Mobile : 9448112323 / 9481649523
E-mails	: marketing@microtech.org.in microtechmarol_@rediffmail.com micromarol@rediffmail.com
Website	: <a href="http://www.valvemanufacturers.in">www.valvemanufacturers.in</a>
Date of Establishment	: 02-01-1992
Date of Incorporation	: 29-04-1998
SSI Registration Number	: 08-09-R00098 PMT SCI, Dt. 12-11-1998
Sales Tax Registration Number	: KST : 4030804-2 C.S.T : 4035804-5  Dated : 05-08-1998
VAT	: VAT No : 29710026248
Income Tax Permanent A/c	: AANFM 9518J
Excise Registration No	: AANFM9518JXM001
Bankers	: <b>State Bank of India</b> Gokul Road, Hubli Industrial Estate Branch IFSC Code : SBI N. 0002212
Subscribed & Paid up Capital	: <b>10 Crores</b>



## Corporate Details

Man Power	:	Managerial	-	11 Nos
	:	Technical	-	10 Nos
	:	Staff	-	10 Nos
	:	Workers	-	15 Nos
ESI No	:	Ins III	58/0945/66	
	:	Date :	24/11/2011	
PF No.	:	KN/HBL/27714		
	:	Date :	01/10/2004	
Factory Area	:	Total Area 1 Acare at Gamanagatti Ind. Area Corporate Office	-	2200 Sq.ft.
		Administrative	-	2200 Sq.ft.
		Marketing	-	2200 Sq.ft.
		Factory (Production Quality Engg. Cell)	-	13200 Sq.ft.
		Design & Development	-	2200 Sq.ft.
		Welfare, Canteen &	-	6600 Sq.ft.
		Guest House & Etc.		
Production Capacity	:	2000 Valves Per Month		
Production Range	:	1/4" (6mm) to 48" (1200mm) Class-150# to Class-1500#.		
Working Hours	:	2 Shifts, 1 <sup>st</sup> Shift 7-30am to 4-00pm 2 <sup>nd</sup> Shift 1-30pm to 10-00pm General Shift 9-00am to 7-00pm		
Holiday	:	Sunday		



# Manufacturing Process



Assembly Section

We ensure that they are strictly confirm to required standards and specifications. We also issue test certificates for all the items being supplied by us. We ensure high quality Material on our products. Our separate quality control departments takes care of quality at each and every stages. We are fully equipped with all measuring instruments and testing gauges duly Calibrated periodically. We have good machining facility to manufacture high quality valves and valves components and other engineering components.



Lapping and Sealing Process



Machining Process



Laping Process



# Manufacturing Process



Machining Process



Machining Process



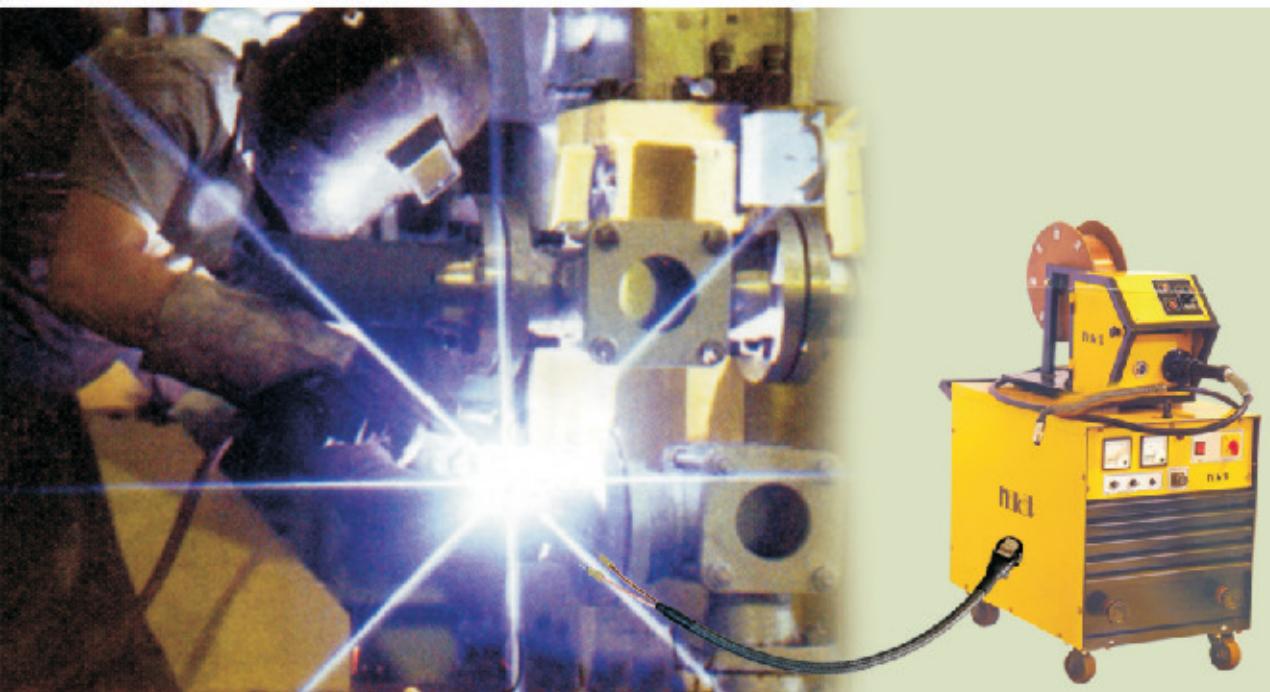
Grinding Section

This company is by M/s. **MICROTECH INDIA** Hubli. We are specialised in the manufacture of API-600 Carbon Steel (WCB) and Stainless Steel (CF8/CF8M), Gate Valve, Globe Valve, Check Valve, Needle Valves, Ball Valves, Sluice Valves, Forged Steel Gate, Globe & Check Valve, Butterfly Valves and other Industrial Valves, and Petrochemical Valves are Manufacturing in well equipped Machine Shop and by Testing Facility as per BS-Standard, API, ASTM Standard, IS Standard and also as per customer specification.

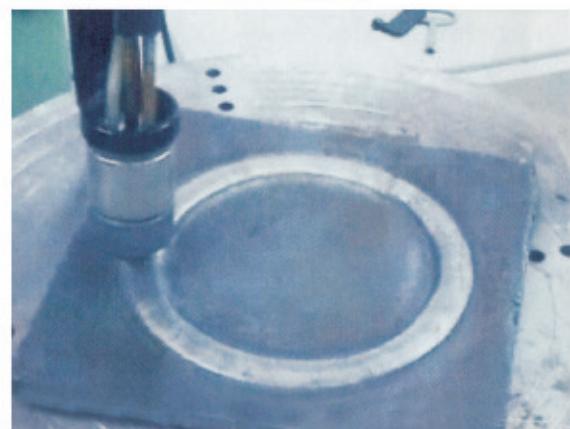
We offer quality valves in the range of  $\frac{1}{4}$ " (6mm) to 48"(1200mm) dia with pneumatically/ Geared / Actuator and manually Operated. Which are tested for Physical, Chemical and Mechanical Properties, Radiographic Test (KMTRC) and Hydraulic & Pneumatic Test at our Testing Premises.



# Manufacturing Process (Welding)



We can weld much faster than conventional machine that is welding of the Gate Valve, Globe Valve and Check Valve seatings. Welding the electrode is in form of lengthy wire (0.8mm - 2mm dia) wound in a spool which normally contains 12 to 12.5 kgs. This is fed continuously into the torch by a variable speed drive unit which enables non-stop deposition if desired (Leak Proof). The shielding of the arc zone is done by CO<sub>2</sub> gas. This gas is used for welding mild steel and low alloy steel. For aluminium, brass etc., argon gas is used. (Ferrous and Non Ferrous Metals).





## Third Party Inspections

<p><b>TÜV INDIA PVT. LTD.</b> PATENTED TEST EQUIPMENT</p> <p><b>INSPECTION RELEASE NOTE</b></p> <p>Code No.: MTC-MICRO TECH INDIA, HUBLI Part No.: 100101111006735069 Model No.: MTC-100101111006735069 Date: 25/07/2006 Inspected Date: 25/07/2006 Report Date: 24/08/2006 Report No.: MTC-100101111006735069 The following items was / were finally inspected:- Part Number Description Quantity Status (100101111006735069) MTC-100101111006735069 CT WITH COMPOSITE FLANGES Fasteners and Gaskets included Case and System Status: Inspected  Issues Identified: 1) Metal Clock 100% OK - Found in Order. 2) Inspection Check for Locking Ring - Found within Acceptable limits. 3) Retractor Dr. Body, Seal &amp; IDA: QN - Found No locking. 4) Check and verified for Seals Operates. 5) Thread Tapping &amp; Melting of the Arrows - Found in Order.  Document Required: 1) Material Test Certificate - Found in Order. 2) Water Test Reports - Found in Order.  Remarks: 1) MTC MTC No.: 001 DTD: 24/03/2010.  This note is to be kept as a part No.: MTC-100101111006735069 Date: 25/07/2006 Booking Details: Location: Signature: </p>	<p><b>INSPECTION RELEASE NOTE</b></p> <p>Code No.: MTC-MICRO TECH INDIA, HUBLI Part No.: 100101111006735069 Model No.: MTC-100101111006735069 Date: 25/07/2006 Inspected Date: 25/07/2006 Report Date: 24/08/2006 Report No.: MTC-100101111006735069 The following items was / were finally inspected:- Part Number Description Quantity Status (100101111006735069) MTC-100101111006735069 CT WITH COMPOSITE FLANGES Fasteners and Gaskets included Case and System Status: Inspected  Issues Identified: 1) Metal Clock 100% OK - Found in Order. 2) Inspection Check for Locking Ring - Found within Acceptable limits. 3) Retractor Dr. Body, Seal &amp; IDA: QN - Found No locking. 4) Check and verified for Seals Operates. 5) Thread Tapping &amp; Melting of the Arrows - Found in Order.  Document Required: 1) Material Test Certificate - Found in Order. 2) Water Test Reports - Found in Order.  Remarks: 1) MTC MTC No.: 001 DTD: 24/03/2010.  This note is to be kept as a part No.: MTC-100101111006735069 Date: 25/07/2006 Booking Details: Location: Signature: </p>	<p><b>INSPECTION RELEASE NOTE</b></p> <p>Code No.: MTC-MICRO TECH INDIA, HUBLI Part No.: 100101111006735069 Model No.: MTC-100101111006735069 Date: 25/07/2006 Inspected Date: 25/07/2006 Report Date: 24/08/2006 Report No.: MTC-100101111006735069 The following items was / were finally inspected:- Part Number Description Quantity Status (100101111006735069) MTC-100101111006735069 CT WITH COMPOSITE FLANGES Fasteners and Gaskets included Case and System Status: Inspected  Issues Identified: 1) Metal Clock 100% OK - Found in Order. 2) Inspection Check for Locking Ring - Found within Acceptable limits. 3) Retractor Dr. Body, Seal &amp; IDA: QN - Found No locking. 4) Check and verified for Seals Operates. 5) Thread Tapping &amp; Melting of the Arrows - Found in Order.  Document Required: 1) Material Test Certificate - Found in Order. 2) Water Test Reports - Found in Order.  Remarks: 1) MTC MTC No.: 001 DTD: 24/03/2010.  This note is to be kept as a part No.: MTC-100101111006735069 Date: 25/07/2006 Booking Details: Location: Signature: </p>
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# Design and Drawings

<p style="margin: 0;">Revision note</p> <p style="margin: 0;">Drawing No:</p> <p style="margin: 0;">FILE NO -</p>	<p><b>GATE VALVE- SERIES 'CSGTv2'</b></p> <p><b>CAST STEEL GATE VALVE-RISING STEM</b></p> <p><b>FLANGED ENDS #150</b></p> <p style="text-align: center;"><b>Butt Weld Ends</b></p>	<p><b>MATERIAL OF CONSTRUCTION</b></p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>P.No.</th> <th>Qty.</th> <th>Nomenclature</th> <th>Material</th> </tr> </thead> <tbody> <tr><td>1</td><td>1</td><td>BODY</td><td>ASTM A216 Gr.WCB</td></tr> <tr><td>2</td><td>1</td><td>BONNET</td><td>ASTM A216 Gr.WCB</td></tr> <tr><td>3</td><td>1</td><td>WEDGE (SOLID)</td><td>A216 WCB+13% Cr. overlay</td></tr> <tr><td>4</td><td>1</td><td>STEM</td><td>AISI 410</td></tr> <tr><td>5</td><td>2</td><td>SEAL RINGS</td><td>AISI 410/AISI 316</td></tr> <tr><td>6</td><td>1</td><td>BACKSHEET BUSHING</td><td>AISI 410</td></tr> <tr><td>7</td><td>1</td><td>GLAND</td><td>AISI 410</td></tr> <tr><td>8</td><td>1</td><td>GLAND FLANGE</td><td>ASTM A216 WCB</td></tr> <tr><td>9</td><td>1</td><td>Yoke sleeve</td><td>SG IRON - GGG40</td></tr> <tr><td>10</td><td>1</td><td>LOCK NUT</td><td>AISI 410</td></tr> <tr><td>11</td><td>5min.</td><td>STEM PACKINGS</td><td>GRAPHITED ASBESTOS, GRAPHITE IMPREGNATED SS304 (ASTM A240 304) SP. W/ ASBESTOS FIBER</td></tr> <tr><td>12</td><td>1</td><td>BONNET GASKET</td><td>Gr. B7</td></tr> <tr><td>13</td><td>Req.</td><td>BONNET STUDS</td><td>Gr. B7</td></tr> <tr><td>14</td><td>Req.</td><td>BONNET NUTS</td><td>Gr. B7</td></tr> <tr><td>15</td><td>2</td><td>GLAND EYESBOLTS &amp; NUTS</td><td>EN-84 PLATED</td></tr> <tr><td>16</td><td>2</td><td>GLAND LUG BOLTS &amp; NUTS</td><td>Gr. B7 &amp; 2H / HT.8.BG.</td></tr> <tr><td>17</td><td>1</td><td>GREASE NIPPLE</td><td>S4d</td></tr> <tr><td>18</td><td>1</td><td>KEY</td><td>CARBON STEEL POLISH BAR</td></tr> <tr><td>19</td><td>1</td><td>HANDWHEEL</td><td>A216 WCB / DUCTILE IRON / SG IRON</td></tr> <tr><td>20</td><td>1</td><td>HANDWHEEL NUT</td><td>CARBON STEEL</td></tr> </tbody> </table> <p><b>TECHNICAL DATA</b></p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tbody> <tr><td>DESIGN STD</td><td>BS1414 / API 600</td></tr> <tr><td>TESTING STD.</td><td>API 598 (BS6756-1)</td></tr> <tr><td>FLANGED ENDS</td><td>ANSI B16.5 FERF</td></tr> <tr><td>FACE TO FACE</td><td>ANSI B16.10</td></tr> <tr><td>BUTTWELD ENDS</td><td>ANSI B16.25</td></tr> </tbody> </table>	P.No.	Qty.	Nomenclature	Material	1	1	BODY	ASTM A216 Gr.WCB	2	1	BONNET	ASTM A216 Gr.WCB	3	1	WEDGE (SOLID)	A216 WCB+13% Cr. overlay	4	1	STEM	AISI 410	5	2	SEAL RINGS	AISI 410/AISI 316	6	1	BACKSHEET BUSHING	AISI 410	7	1	GLAND	AISI 410	8	1	GLAND FLANGE	ASTM A216 WCB	9	1	Yoke sleeve	SG IRON - GGG40	10	1	LOCK NUT	AISI 410	11	5min.	STEM PACKINGS	GRAPHITED ASBESTOS, GRAPHITE IMPREGNATED SS304 (ASTM A240 304) SP. W/ ASBESTOS FIBER	12	1	BONNET GASKET	Gr. B7	13	Req.	BONNET STUDS	Gr. B7	14	Req.	BONNET NUTS	Gr. B7	15	2	GLAND EYESBOLTS & NUTS	EN-84 PLATED	16	2	GLAND LUG BOLTS & NUTS	Gr. B7 & 2H / HT.8.BG.	17	1	GREASE NIPPLE	S4d	18	1	KEY	CARBON STEEL POLISH BAR	19	1	HANDWHEEL	A216 WCB / DUCTILE IRON / SG IRON	20	1	HANDWHEEL NUT	CARBON STEEL	DESIGN STD	BS1414 / API 600	TESTING STD.	API 598 (BS6756-1)	FLANGED ENDS	ANSI B16.5 FERF	FACE TO FACE	ANSI B16.10	BUTTWELD ENDS	ANSI B16.25																																															
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# Design and Drawings

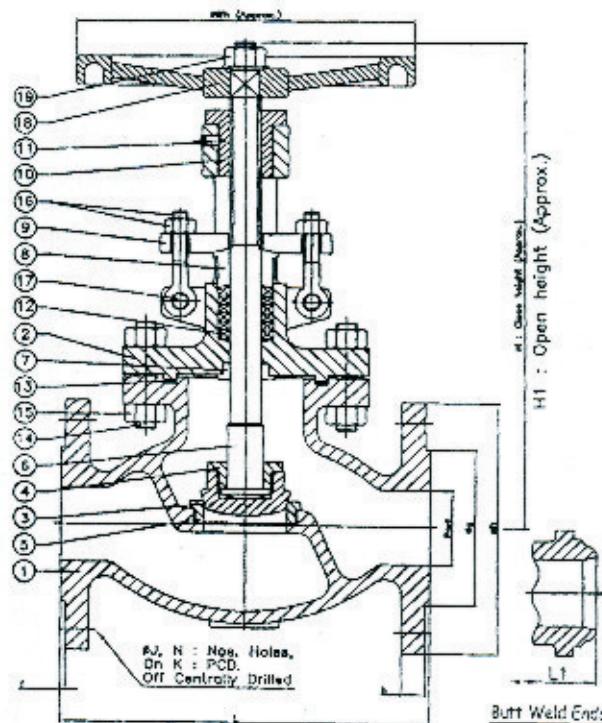
## GLOBE VALVE- SERIES 'MCSGLV'

GLOBE VALVE- SERIES 'MCSGLV'

CAST STEEL GLOBE VALVE

FLANGED ENDS #150

P.No.	Qty.	Nomenclature	Material
1	1	BODY	ASTM A216 Gr. WCB
2	1	BONNET	ASTM A216 Gr. WCB
3	1	DISC	ASTM A182 F6a / WCB+13%Cr.
4	1	DISC NUT	ASTM A217 CA15/SS410
5	1	SEAT RING	ASTM A182 F6a / WCB+13%Cr.
6	1	STEM	ASTM A182 F6a / SS410
7	1	BACKSEAT BUSHING	13 Cr. Steel to AISI 410
8	1	GLAND	13 Cr. Steel to AISI 410
9	1	GLAND FLANGE	CARBON STEEL TO IS 226
10	1	YOKE BUSH	S.G. IRON TO BS 2789
11	1	GRUB SCREW	CARBON STEEL TO BS 916
12	5min.	STEM PACKINGS	METALLIC WIRE REINFORCED ASBESTOS
13	1	BONNET CASKET	ASBESTOS FILLER SS 304 SPIRAL WOUNDED
14	Req.	BONNET STUDS	ASTM A193 Gr. B7
15	Req.	BONNET NUTS	ASTM A194 Gr. 2H
16	2	GLAND EYEBOLTS & NUTS	ASTM A307 Gr. B/IS 4190
17	2	GLAND LUG BOLTS & NUTS	ASTM A307 Gr. B/IS 4190
18	1	HANDWHEEL	DUCTILE IRON
19	2	WHEEL NUT & WASHER	CARBON STEEL TO BS 916



All dimensions are in M.M.

SIZE	50	65	80	100	125	150	200	250	300
Port	51	64	78	102	127	152	203	254	305
L Face to Face-RF	203.2	215.9	241.3	292.1	355.6	406.4	495.3	622.3	698.5
L1 End to End-BW	203.2	215.9	241.3	292.1	355.6	406.4	495.3	622.3	698.5
H	348	395	425	450	505	570	620	690	760
H1	366	416	449	481	543	614	677	760	843
ΦWh	200	250	350	350	400	480	480	600	
ΦD	152.4	177.8	190.5	228.6	254	279.4	342.9	406.4	482.6
b	15.75	17.53	19.05	23.88	23.88	25.4	28.45	30.23	31.75
Φg	91.95	104.65	127	157.23	185.67	216	269.75	323.85	381
f	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
ΦJ	19.05	19.05	19.05	19.05	22.35	22.35	22.35	25.4	25.4
N	4	4	4	8	8	8	8	12	12
K:PCD.	120.65	139.7	152.4	190.5	215.9	241.3	298.45	361.95	431.8

TECHNICAL DATA	
DESIGN STD.	BS1873
TESTING STD.	BS 6756-1
FLANGED ENDS.	ANSI B 16.5 FERF
FACE TO FACE	ANSI B 16.10
BUTTWELD ENDS	ANSI B 16.26

TEST PRESSURE IN BAR	
HYDROSTATIC TESTING BAR	CLASS 150
SEAT	30
BACK SEAT	22
AIR SEAT	6.9

NOTES:

- 1 THE TECHNICAL DATA GIVEN HERE ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE DUE TO CONTINUAL PRODUCT DEVELOPMENT
- 2 WEIGHTS ARE INDICATIVE

FOR APPROVAL

FOR RECORD

MICROTECH INDIA HUBLI		An ISO 9001-2000 Certified Company	
DATE	21-11-2010	PRODUCT :	CAST STEELGLOBE VALVE
Drawn by	SUK	SUK	
Checked by	PRN		TITLE : GLV-CS
Approved by	MSM		SIZE : DN 50 TO 300 #150
Scale :	NTS		DRG. NO. : MCSGLV02
		QTY :	MATERIAL :
		REV. 00	Sheet 1/1

# Design and Drawings

## SWING CHECK VALVE- SERIES 'MSCSCV'

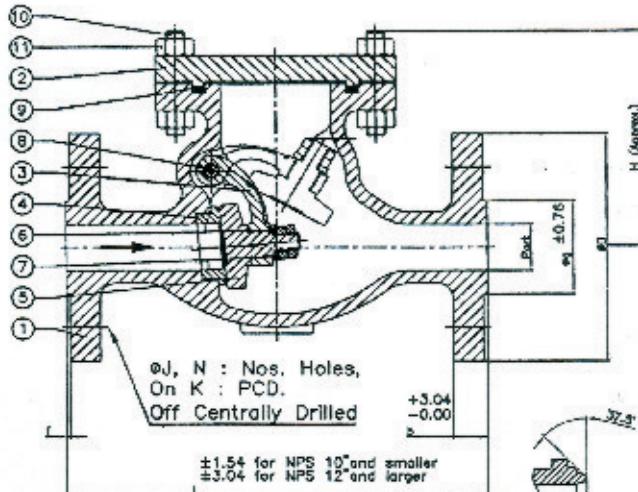
## SWING CHECK VALVE- SERIES 'CSSCV2'

## CAST STEEL SWING CHECK VALVE

## FLANGED ENDS #150

### MATERIAL OF CONSTRUCTION

P. No.	Qty.	Nomenclature	Material
1	1	BODY	ASTM A216 Gr. WCB
2	1	COVER	ASTM A216 Gr. WCB
3	1	HINGE	ASTM A216 Gr. WCB
4	1	SEAT RING	A216 Gr. WCB+13% Cr.
5	1	DISK	A216 Gr. WCB+13% Cr.
6	2	DISK RETAINING NUTS	Gr. 2H
7	1	DISK WASHER	AISI 410
8	1	HINGE PIN	AISI 410
9	1	COVER CASKET	SPW 304+GRAPHITE FILLER SPIRAL WOUNDED
10	Req.	COVER STUDS	Gr. B7
11	Req.	COVER NUTS	Gr. 2H



All dimensions are in M.M.

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L1 End to End-BW	203.2	215.9	241.3	292.1	330.2	355.6	495.3	622.3	698.5
H	148	170	178	195	217	242	285	330	365
ØD	152.4	177.8	190.5	228.6	254	279.4	342.9	406.4	482.6
b	15.75	17.53	19.05	23.88	23.88	25.4	28.45	30.23	31.75
Øg	91.95	104.65	127	157.23	185.67	215.9	269.75	323.85	381
f	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
ØJ	19.05	19.05	19.05	19.05	22.35	22.35	22.35	25.4	25.4
N	4	4	4	8	8	8	8	12	12
K:PCD.	120.65	139.7	152.4	190.5	215.9	241.3	298.45	361.95	431.8

CUSTOMER:

ORDER No:

NOTES:

TECHNICAL DATA	
DESIGN STD.	BS1666
TESTING STD.	BS 6755-1
FLANGED ENDS.	ANSI B 16.5 FERF
FACE TO FACE	ANSI B 10.10
BUTTWELD ENDS	ANSI B 16.25

### TEST PRESSURE IN BAR

HYDROSTATIC TESTING BAR	CLASS	150
FOR SIZE 15-300	SHELL	30
	SEAT	22

1. THE TECHNICAL DATA GIVEN HERE ARE SUBJECT TO CHANGE

WITHOUT PRIOR NOTICE DUE TO CONTINUAL PRODUCT DEVELOPMENT

2. WEIGHTS ARE INDICATIVE

FOR APPROVAL

FOR RECORD

DATE		30-06-2009	PRODUCT :		MICROTECH INDIA HUBLI	
Drawn by		SUK	TITLE :		An ISO 9001-2000 Certified Company	
Checked by		PRN	SCV-CS		SIZE : DN 50 TO 300 #150	
Approved by		MSM	DRG. NO. : MCSSCV01		QTY : MATERIAL : REV. 00 Sheet 1/1	
Scale :	NTS					
FILE NO.:						

# Design and Drawings

## CI SLUICE VALVE ( NON RISING SPINDLE)-IS : 14846

CI FLANGED END NON RISING TYPE SPINDLE GATE VALVE AS PER IS : 14846 (PD) : 2000																																																																																																												
					<b>MATERIAL OF CONSTRUCTION</b> <table border="1"> <thead> <tr> <th>Sl No</th> <th>Description</th> <th>Materials</th> </tr> </thead> <tbody> <tr><td>01.</td><td>BODY</td><td>CI IS:210 PG 200</td></tr> <tr><td>02.</td><td>BONNET</td><td>CI IS:210 PG 200</td></tr> <tr><td>03.</td><td>WEDGE</td><td>CI IS:210 PG 200</td></tr> <tr><td>04.</td><td>WEDGE NUT</td><td>IS:318 LTb2</td></tr> <tr><td>05.</td><td>STEM</td><td>410</td></tr> <tr><td>06.</td><td>BODY SEAL</td><td>IS:63B RUBBER TYPE-B</td></tr> <tr><td>07.</td><td>BONNET SEAL</td><td>IS:63B RUBBER TYPE-B</td></tr> <tr><td>08.</td><td>STUFFING BOX</td><td>CI IS:210 PG 200</td></tr> <tr><td>09.</td><td>PACKING</td><td>IS:5414 JUTE &amp; HEMP</td></tr> <tr><td>10.</td><td>GLAND FLANGE</td><td>CI IS:210 PG 200</td></tr> <tr><td>11.</td><td>HAND WHEEL</td><td>CI IS:210 PG 200</td></tr> <tr><td>12.</td><td>BODY BOLT/NUT</td><td>IS:1363 CARBON STEEL</td></tr> <tr><td>13.</td><td>BODY SEAT RING</td><td>IS:318 LTb2</td></tr> <tr><td>14.</td><td>WEDGE FACE RING</td><td>IS:318 LTb2</td></tr> </tbody> </table>				Sl No	Description	Materials	01.	BODY	CI IS:210 PG 200	02.	BONNET	CI IS:210 PG 200	03.	WEDGE	CI IS:210 PG 200	04.	WEDGE NUT	IS:318 LTb2	05.	STEM	410	06.	BODY SEAL	IS:63B RUBBER TYPE-B	07.	BONNET SEAL	IS:63B RUBBER TYPE-B	08.	STUFFING BOX	CI IS:210 PG 200	09.	PACKING	IS:5414 JUTE & HEMP	10.	GLAND FLANGE	CI IS:210 PG 200	11.	HAND WHEEL	CI IS:210 PG 200	12.	BODY BOLT/NUT	IS:1363 CARBON STEEL	13.	BODY SEAT RING	IS:318 LTb2	14.	WEDGE FACE RING	IS:318 LTb2																																																							
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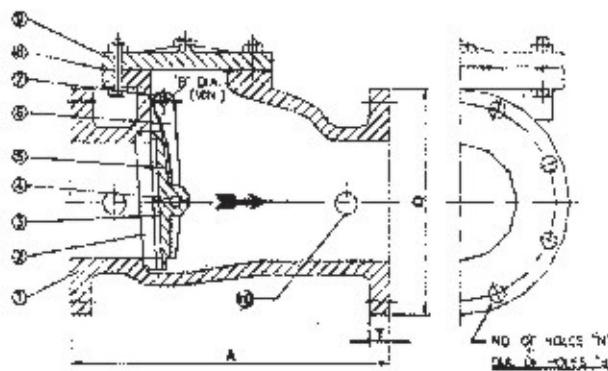
## CI SLUICE VALVE ( NON RISING SPINDLE)-IS : 780

CI SLUICE (GATE) VALVE NON RISING SPINDLE FLANGED END IS : 780 STD																																																																														
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# Design and Drawings

## CAST IRON NON RETURN ( SWING TYPE) VALVE IS:5312-P-1

### CAST IRON NON RETURN (SWING TYPE) VALVE IS:5312-P-1



ITEM NO	DESCRIPTION	MATERIAL	SPECIFICATION
1	BODY	CAST IRON	IS : 210 FG-200
2	BODY SEAT RING	GUN METAL	IS : 318 LTB-2
3	DOOR FACE RING	GUN METAL	IS : 318 LTB-2
4	DOOR SUSPENSION PIN	HIGH TENSILE BRASS	IS : 820 HT-2
5	DOOR	CAST IRON	IS : 210 FG-200
6	HINGE	CAST IRON	IS : 210 FG-200
7	HINGE PIN	STAINLESS STEEL	SS-304
8	COVER GASKET	RUBBER	IS : 628 TYPE B
9	COVER	CAST IRON	IS : 210 FG-200

HYDROSTATIC TEST PRESSURE PN 1.0

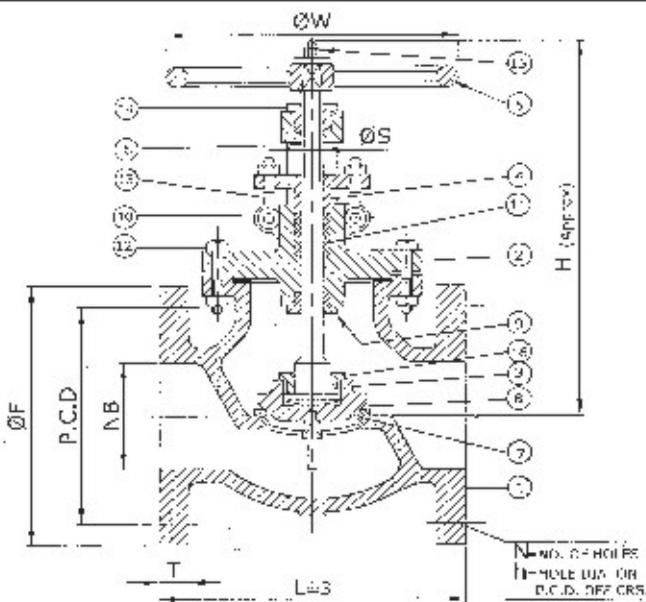
Body 1.5MPA  
Seat 1.0MPA  
Design Std IS : 5312-P-1

SIZE (MM)	F TO F	DIA. OF FLANGE	P.C.D	NO OF HOLE	HOLE DIA	FLANGE THICK
50MM	200	165	125	4	19	16
65MM	249	185	145	4	19	16
80MM	266	200	160	4	19	21
100MM	300	220	180	8	19	22
125MM	350	250	210	8	19	22
150MM	400	285	240	8	23	23
200MM	500	340	295	8	23	24
250MM	600	395	350	12	23	25
300MM	700	445	400	12	23	27
350MM	800	505	460	16	23	29
400MM	900	565	515	16	28	30
450MM	1000	615	565	20	28	31
500MM	1100	670	620	20	28	33
600MM	1300	780	725	20	31	36

Note : All dimensions are in "mm" tolerance : ±2

<b>MICROTECH</b> NON TO APPROVE	<b>MICROTECH INDIA</b> S-11, S-12, M.I. Sagar, 1 <sup>st</sup> Gate, Industrial Estate, Gukul Road, Hubli - 580 030, Tel: 0836 - 2388505.
CLIENT :	
PROJECT :	
TITLE: NON RETURN (Swing Type) VALVE IS:5312-P-1	
SCALE:	1:16
DRN:	PRMO 03.05.09
CHD:	PSK 03.05.09
APPD:	MSM 03.05.09
REF. NO.:	
Drawing No : MI/O/NRV/150#FE/GA	

### CI GLOBE VALVE RISING SPINDLE



S No	DESCRIPTION	MATERIALS
1	BODY	CI : S 210, FG 200
2	PIVOT ASY. FOR SPN	CI : S 210, FG 200
3	DISC	CI : S 210, FG 200
4	DISC	CI : S 210, FG 200
5	SPN. WHEEL	CI : S 210, FG 200
6	A PN	STAINLESS STEEL AISI -410
7	BODY SEAT RING	CI : S 318, Cr 2
8	DISC SEAT RING	CI : S 318, Cr 2
9	DISC SEAT	CI : S 318, Cr 2
10	GASKET	RUBBER NBR/NR TYPE B
11	GLAND PACKING	GRAPHITE ASBESTOS ROPF
12	BOLTS & NUTS	BU 487 CL 45 & CL 40
13	BU 487 CL 45 & CL 40	BU 487 CL 45 & CL 40
14	STOVE SLEEVE (STEEL NUT)	GUN METAL IS:210, Cr 2
15	4MM WHEEL SET SCREW	CARBON STEEL
16	DISC NUT	SS AS - 410

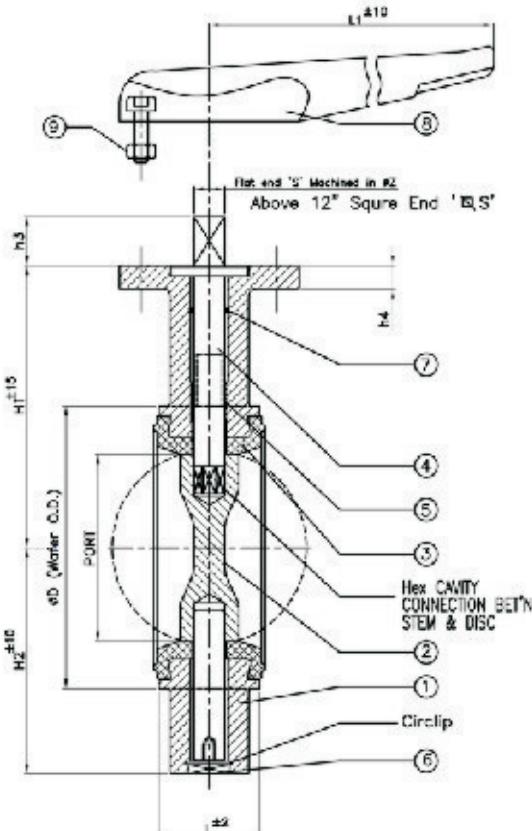
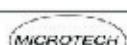
NOTES:-

1. ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE STATED.
2. VALVE SHALL GENERALLY CONFORM TO BS 5152 PN 10.
3. FLANGE HOLES DRILLED TO ANSI 216.5, CL-1250 1 AT A TIME.
4. HYD. TEST PRESSURE BODY 15 kg/cm<sup>2</sup>, SEAT & BACK SEAT: 10 kg/cm<sup>2</sup>.

300	695	785	610	41.3	463	31.8	432	12	25	—
250	622	660	457	36.7	400	30.2	309	12	25	—
200	495	570	406	35	343	28.6	298.5	8	22	—
150	406	520	387	31.8	279	25.4	241.5	8	22	—
125	355	450	303	31.8	234	23.9	21.6	5	11	—
100	252	400	230	29.6	229	23.9	190	6	19	—
80	241	345	200	25.7	190	19.1	152.5	4	19	—
65	215	300	200	22.2	178	17.3	139.5	4	19	—
50	203	275	152	19	152	15.9	120.5	4	19	—
45	174	240	100	6.7	65	6	68	QTY.		
								P.C.D.	X	—

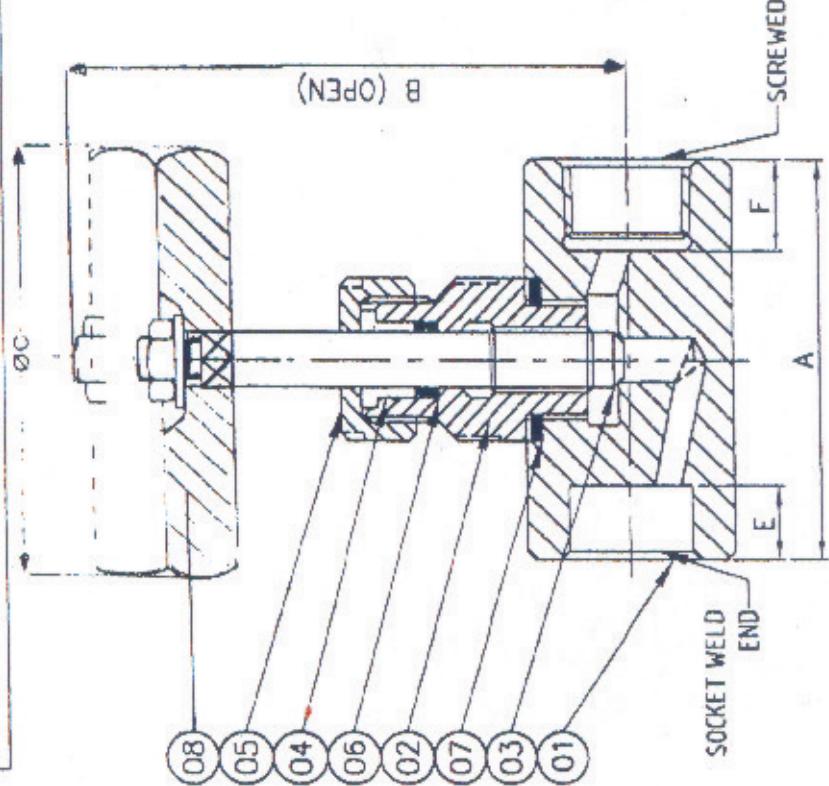
<b>MICROTECH</b>	<b>MICROTECH INDIA</b>
CLIENT :	
PROJECT :	
TITLE: CAST IRON FLANGED END GLOBE VALVE AS PER BS:5152 PN-10	
SCALE:	1:16
DRN:	PRMO 12.07.09
CHD:	PSK 12.07.09
APPD:	MSM 12.07.09
REF. NO.:	MI-O-GLV/150#FE/GA

# Design and Drawings

Signature	A   B   C   D   E   F		Signature	G   H   I   J   K   L																																																																																																																																						
[Checklist]	<b>BUTTERFLY VALVE MODEL-"M12"</b> <u>LEVER OPERATED, PN10 RATING</u> <u>REPLACEABLE SLEEVE BUTTERFLY VALVE</u>																																																																																																																																									
Data	 <p>Flat and 'S' Machined in #2 Above 12° Square End 'B,S'</p>			<b>MATERIAL OF CONSTRUCTION</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Qty.</th> <th>Nomenclature</th> <th>Material</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>BODY *</td> <td>Cast Iron CG25/DI</td> </tr> <tr> <td>2</td> <td>1</td> <td>DISC</td> <td>DI/CF8/CF8M</td> </tr> <tr> <td>3</td> <td>1</td> <td>SEAT( REPLACEABLE )</td> <td>EPDM/NITRILE</td> </tr> <tr> <td>4</td> <td>2</td> <td>STEM</td> <td>SS410/SS304/SS316</td> </tr> <tr> <td>5</td> <td>1</td> <td>BEARING BUSH</td> <td>PTFE / NYLON Gr.PA6</td> </tr> <tr> <td>6</td> <td>1</td> <td>BOTTOM PAD</td> <td>NITRILE RUBBER</td> </tr> <tr> <td>7</td> <td>1</td> <td>'O' RINGS</td> <td>NITRILE RUBBER</td> </tr> <tr> <td>8</td> <td>1</td> <td>LEVER ASSEMBLY</td> <td>QQA SHEET PRESSED + POWDER COATED</td> </tr> <tr> <td>9</td> <td>Req.</td> <td>ALLENKEY BOLTS&amp;NUTS</td> <td>COLD FORGED SS 304(A2-70)</td> </tr> </tbody> </table>		No.	Qty.	Nomenclature	Material	1	1	BODY *	Cast Iron CG25/DI	2	1	DISC	DI/CF8/CF8M	3	1	SEAT( REPLACEABLE )	EPDM/NITRILE	4	2	STEM	SS410/SS304/SS316	5	1	BEARING BUSH	PTFE / NYLON Gr.PA6	6	1	BOTTOM PAD	NITRILE RUBBER	7	1	'O' RINGS	NITRILE RUBBER	8	1	LEVER ASSEMBLY	QQA SHEET PRESSED + POWDER COATED	9	Req.	ALLENKEY BOLTS&NUTS	COLD FORGED SS 304(A2-70)																																																																																													
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<b>NOTES:</b> <ul style="list-style-type: none"> <li>■ ALTERNATIVELY CAST STEEL-WCB BODY AT SPECIFIC REQUEST OF THE USER/CLIENT</li> <li>■ IN HIGHER SIZES FOR TORQUE REDUCTION</li> <li>VALVES ARE SUITABLE TO SANDWICH BETWEEN ASME B 16.5 CL-150, ASME B16.1 CL-125, PN10,PN16, BS:10 TABLE-E</li> <li>INTERNAL DIAMETER OF THE PIPE SHOULD BE AT LEAST 3 MM MORE THAN 'PORT'</li> <li>UP TO 8" (200NB), THE VALVE CAN BE SUPPLIED WITH LEVER, &amp; ABOVE 8" WITH MATCHING GEAR BOX/PNEUMATIC ACTUATOR/ELECTRICAL ACTUATOR/MOTORISED ACTUATOR ON SPECIFIC REQUEST OF THE CLIENT.</li> <li>SPLIT BODY WITH REPLACEABLE PTFE SEAT TYPE VALVES CAN BE SUPPLIED ON SPECIFIC REQUEST OF THE USER/CLIENT FOR SEVERE CORROSIVE APPLICATION</li> <li>THE TECHNICAL DATA GIVEN HERE ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE DUE TO CONTINUAL PRODUCT DEVELOPMENT</li> </ul>																																																																																																																																										
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# Design and Drawings

"MICROTECH MAKE" NEEDLE VALVE (SEREWED & SOCKET WELD ENDS)

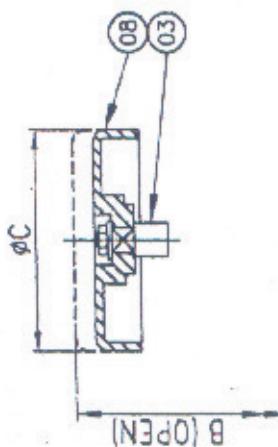


DESIGN STD: MANUFACTURERS STD. / TESTING STD: BS 6755 / PART-1							
SIZE	3	6	10	15	20	25	32
A	50	50	50	55	60	70	75
B (APPROX)	70	70	70	80	90	100	115
C	40	40	40	50	50	70	70
E	8.5	9.5	9.5	9.5	12.7	12.7	12.7
F	10	13	13	13.5	14	17.5	18.5
G	10.7	14.1	17.5	21.7	27.1	33.8	42.8
APPROX. WT. Kgs	0.4	0.4	0.4	0.5	0.7	0.9	1.2
QTY.							
TAG No.							

CODE	410	304	316
MATERIAL	A276	A276	A276
SPECIFICATIONS	410	304	316

TEST PRESSURE bar		STANDARD	
CLASS	800	SCREWED	ASME B1.20.1 BS:21 IS:554
HYD.	SHELL	207	SOCKET WELD
AIR	SEAT	162	ASME B 16.11 IS:4712
	SEAT	6	

PT.No.	PART NAME	MATERIAL	
01	BODY	410 304 316	
02	BONNET	410 304 316	
03	NEEDLE	410 304 316	
04	GLAND	316	
05	GLAND NUT	410 304 316	
06	PACKING	PTFE	ENO. No.
07	GASKET	PTFE	DATED
08	HANDWHEEL	ALUMINIUM * STEEL*	GTN. No.



CUSTOMER:	
ORDER No.:	
JOB/PROJECT:	
GTN. No.:	
ORDER No.:	
Sales Drag-Number:	MT-800-NL0001
Raw. No.:	00

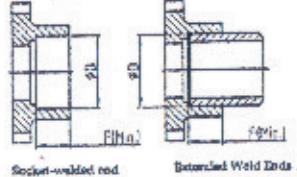
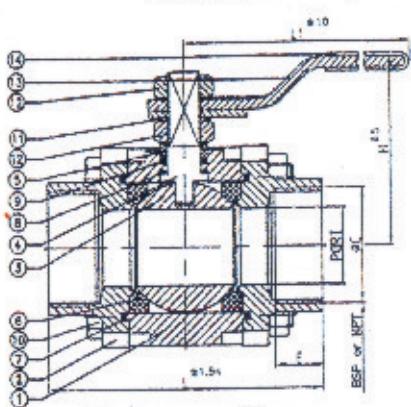
NOTES:  
 ONLY DIM 'A' IS CERTIFIED OTHERS ONLY INDICATIVE.  
 • ALUMINIUM FOR SIZES 3 TO 25 & STEEL FOR SIZES 32 TO 50  
 ALL DIMENSIONS ARE IN MM

MICROTECH INDIA  
 BORN TO ACHIEVE  
 INDUSTRIAL VALVES  
 OFF & UNIT 511 & 512 N.I. Seipar, 1st floor,  
 Industrial Estate, Ghatkopar, Mumbai,  
 Maharashtra, India.  
 Tel: 022-2210824 Fax: 022-23333005  
 E-Mail: microtechindia\_dream@mail.com

# Design and Drawings

## BALL VALVE

"MICROTECH MAKE" 3 Piece Design, Forged Steel Fire safe, 800#  
Screwed and floating ball valve



**NOTES:**  
STEM ANTI STATIC DEVICE IN SMALLER SIZES IS A BELLEVILLE SPRING WASHER ARRANGEMENT BELOW THE HANDLE  
SEAT & SEAL OPTIONS : VITON PTFE / GLASS FILLED PTFE / CARBON FILLED PTFE / PEEK  
OPTIONAL MOD FOR VALVE BODY AND STEM CAN BE GIVEN TO SUIT SPECIFIC APPLICATIONS.  
THE VALVE CAN BE SUPPLIED WITH MATCHING PNEUMATIC OR ELECTRICALLY OPERATED ACTUATOR FOR REMOTE/AUTOMATED CONTROL & OPERATION.

P.No.	Qty.	Nomenclature	Material
1	1	Body	ASTM A105 Blockened
2	2	Connectors	ASTM A105 Blockened
3	1	Ball	AISI 316
4	1	Stem	AISI 316
5	1	Gland	AISI 316
6	2	Ball seats	PTFE + Secondary Metal to Metal
7	2	Body seals	PTFE
8	1	Stem packing	PTFE
9	Req.	Gland packings	PTFE
10	4+4	Body bolts & nuts	ASTM A193 Gr B7 & ASTM A194 Gr 2H Phosphate
11	1	Belleville Spring Washer	Carbon steel
12	1+1	Gland nut & stem nut	Carbon steel
13	1	Handle	Carbon steel
14	1	Slaves	PVC

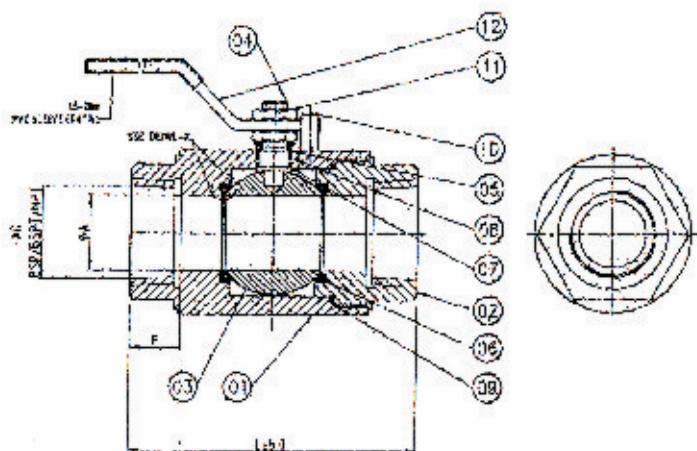
Test Pressure in BAR	
Hydrostatic Shell	77
Hydrostatic Seat	68
Pneumatic Seat	7

**TECHNICAL NOTES**  
Manufacturing Std. : BS 5159/BS 5351/BS EN ISO 17292  
End Connection : Screwed Ends to BSP/BSP7/HPT  
Inspection and Testing Std. : BS 6730 (Part-I)  
Fire Safe Design As Per BS 8755 (Part-II)/API 607 4TH EDITION  
Socket Weld Ends to ANSI B16.11

All dimensions are in MM.					
SIZE	15	20	25	32	40
PORT	14	19	25	31	38
L	69	70	85	110	125
H	34.5	41	47.5	56	71
H1	47.5	51	55	62	82
L1	128	125	154	184	184
E	1/2"	3/4"	1"	1 1/4"	2"
E1	13.86	13.87	17.35	17.65	19.23
D1	22.22	27.08	34.28	43.05	48.15
D2	21.72	27.08	33.78	42.84	48.64
F (Min.)	9.85	12.7	12.7	12.7	15.75

MICROTECH INDIA	
ENG. No.	BORN TO ACHIEVE
DATED	INDUSTRIAL VALVES
GTN. No.	Off & unit: B11 & 12 int. Sagar, M. state
ORDER No.	Industrial Estate, Daul Road, Hubli-585009/Karnataka, India.
Sales Org. Number	Tel: 0838-2210524 Fax: 0838-2233593 E-mail: microtechindia1@mail.com
Rev. No.	03

"MICROTECH MAKE" Full Bore, Floating Ball Valve # 300, Screwed Ends.  
SINGLE PIECE INVESTMENT CAST CONSTRUCTION WITH FIRE SAFE



Test Pressure in BAR	
Hydrostatic Seal	21
Hydrostatic Seat	28
Pneumatic Seat	7

Size	Dimensions are in mm				
In mm	#A	#B	F	L	D1
1/4"	5	1/4"	12	60	-
1/2"	14	1/2"	13.5	72	-
3/4"	19	3/4"	15	78	-
1"	25	1"	17.5	87	-
1 1/4"	31	1 1/4"	17.5	99	-
1 1/2"	38	1 1/2"	18.5	117	-
2"	50	2"	19.5	125	-



### Technical Specifications

1. Manufacturing Standard: BS 5351 / BS EN ISO 17292-2004
2. Testing Standard: BS 6730, Part-I
3. Flare To Flare Manufacturers Standard
4. End Connection: Screwed Ends to BSP/BSP7/HPT/SWE
5. Fire Safe Design Conforming to API 607.

### Material of Construction

No.	Part Name	Material
01	Body	CF8/CF8M/304/316/WSB
02	Insert	CF8/CF8M/304/316/WCB
03	Ball	CF8/CF8M/304/316
04	Stem	SSA316L/SS316/SS316
05	Gland	SSA310L/SS304/SS316
06	Seat	PTFE/GF/PA
07	Stem Washer	PTFE/GF
08	Stem Seal	PTFE/GF
09	Body Seal	PTFE/GF
10	Stopper Arrangement (Integral)	SS/316/304/316/WCB
11	Check Nut	CS/204/316
12	Lever	WCB/SS204

**NOTE:** Specific features involve pressure equalizing seats.

Flow cut proof seats and floating seal.

Please specify the fluid media, working pressure while placing the order.  
Specifications furnished here are subject to change at any time without notice due to continuous product development.

MICROTECH INDIA	
ENG. No.	BORN TO ACHIEVE
DATED	INDUSTRIAL VALVES
GTN. No.	Off & unit: B11 & 12 int. Sagar, M. state
ORDER No.	Industrial Estate, Daul Road, Hubli-585009/Karnataka, India.
Sales Org. Number	Tel: 0838-2210524 Fax: 0838-2233593 E-mail: microtechindia1@mail.com
Rev. No.	30

# We Associated with Yashasvi Developers



Best wishes by Shri Bharath Khimji (BDK Group C.M.D.)



Appreciation by Shri Ashok Reddy Nukul, Chairman of KVG Bank & Shri Arvind Bellad, MLA



We Build Your Dream House



Project Appreciation : Shri Mityunjay S. Marol, (M.D.) with B. D. Jetti, Vice President of India, While In college days



Founder by Shri Mityunjay S. Marol (Yashasvi Developers)



Appreciation by Dr. Shri Shivamurthy Murga Sharanaaru, Chitradurga & Shri Jagadish Shettar, Ex Chief Minister of Karnataka

## COMPLETED PROJECTS



Yashasvi Apartment



Yashasvi Homes



Yashasvi Savadi Endave



Yashasvi Rudra Girija

## ON GOING PROJECT

### CONTACT DETAILS :

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## Photo Gallery



Marketing with foreign Clients



Joining Hand with Foreign Clients



Proud with Achievements



Achievement with Working Team



Administrative Office



New Marketing Office



Spectro Testing Facility with KMTRC



Valve Testing



**[www.valvemanufacturers.in](http://www.valvemanufacturers.in)**

# **MICROTECH INDIA**

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**DEALERS :**