

## Comprehensive Flow Control Solutions



401 - A, Poonam Chambers, 115, Dr. Annie Besant Road,  
Worli, Mumbai - 400 018. India.

Tel.: +91 22 2494 4057 / 58 | Fax: +91 22 2494 4059

E-Mail: [fluidline@hathway.com](mailto:fluidline@hathway.com) | [www.fluidlinevalves.com](http://www.fluidlinevalves.com)



About Us	01
Company Snapshot	02
Organisation Chart	03
Infrastructure	04
Management & Quality Policy	06
Product Range	07
Materials of Construction	15
Industries we Serve	16
Quality Standards	18
Vendor Registrations - India	19
Vendor Registrations - International	23
Testimonials - India	24
Testimonials - International	26
Special Tests	27

**Fluidline Valves** is a premium manufacturer of industrial valves. Since 1973, we have been designing high-quality valves, that are used around the world in industries ranging from **Power, Steel, Oil and Natural Gas to Chemicals, Waste Water, Potable Water** among others. Our capabilities in Design and Manufacture are complemented by our after-sales service, and this way, we provide comprehensive **“Flow Control Solutions”** for any and every need.

We offer the entire range of industrial valves that includes **Gate Valves, Globe Valves, Forged Steel Valves, Check Valves, Ball Valves, Butterfly Valves**, etc. A strong Design Engineering & R&D team ensures that in addition to standard valves, we can create any custom-designed valve to suit your needs. Our valves meet the requirements of **API Spec Q1./ API 6D** and have received **ISO 9001:2000** certification.

**Fluidline is committed to serving you the best, in every possible way!**

We would be happy to talk to you, and look forward to working with you on your requirements.

▶ **360° Capabilities:** We provide a complete range of services to serve our customers better:

- Design
- Manufacture
- Testing
- Installation & Commissioning
- After-sales service

▶ **Type of Organisation:** Manufacturer

▶ **Constitution:** Private Limited

▶ **Constituted:** 1973 - 74

▶ **Locations -**

**Head Office:** 401-A, Poonam Chambers  
 115, Dr. Annie Besant Road  
 Worli, Mumbai - 400 018. India  
 Tel: +91 - 022 - 2494 4057/58  
 Fax: +91 - 022 - 2494 4059  
 E-Mail: fluidline@hathway.com

**Manufacturing:** 516 Phase - IV, G.I.D.C., Vatva,  
 Ahemdabad - 382 445.  
 Tel: +91 79-25832777, 25832333  
 Fax: +91 79-25834888

▶ **Total No. of Employees:** Over 150



▶ **MSME Registration No.:** 24-007-12 02215 DT: 1/11/2007

▶ **NSIC Registration No.:** N.S.I.C/GP/RS/ PMT/GUJ/F-027/A-2707 DT. 15/QQ/94

▶ **Local Sales Tax No.:** 24075700789 DT : 26/09/05

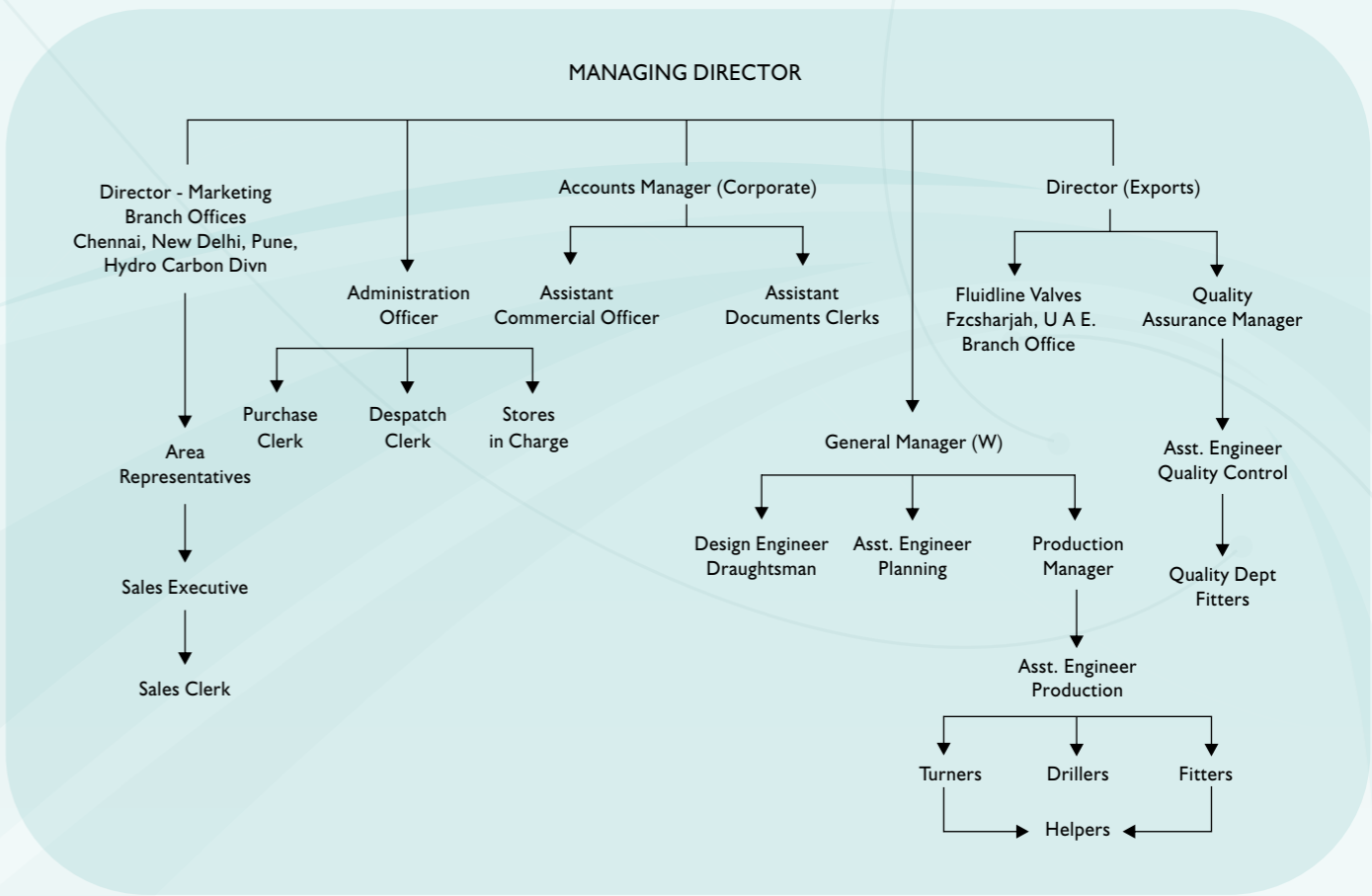
▶ **Central Sales Tax No.:** 24575700789 DT : 26/09/05

▶ **Excise (ECC) Registration No.:** AAACF 0950 FXM001

▶ **Import/Export Code:** 0300002033 DT: 11/04/2000

▶ **PAN No.:** AAACF 0950 F

▶ **Bankers Name:** City Bank N.A.  
 Mahatma Phule Bhavan,  
 Palm Branch Road Junction,  
 Sector No. 17, Vashi,  
 Navi Mumbai - 400 705.

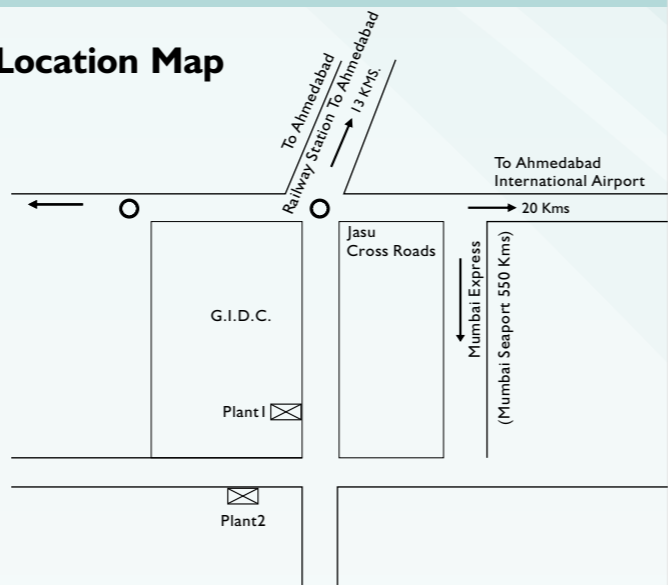




# Infrastructure



**Location Map**



Plant Details		
Plant 1	Total Area	4039 Sq.m.
	Office Area	250 Sq.m.
Plant 2	Manufacturing Area	2670 Sq.m.
	Total Area	5530 Sq.m.
	Office Area	2300 Sq.m.
	Manufacturing Area Proposed	2700 Sq.m.



## Management

Having the right blend of youth and experience, Fluidline is led by a highly dynamic and futuristic management which is always on the hunt for new opportunities to explore, and at the same time providing the right kind of environment for its team members to innovate and grow.

The key persons are:

- Farooq Hawa - Managing Director
- Zahir Hawa - Director (Technical & Exports)
- Azim Hawa - Director (Marketing)
- R. Narmawala - General Manager (Works)

## Quality Policy

"It is our endeavor to achieve growth through customer satisfaction. In this commitment we shall ensure enhancements in 'Design, Manufacturing and Communications', to make Business with FLUIDLINE a pleasure for our customers."



Gate Valves



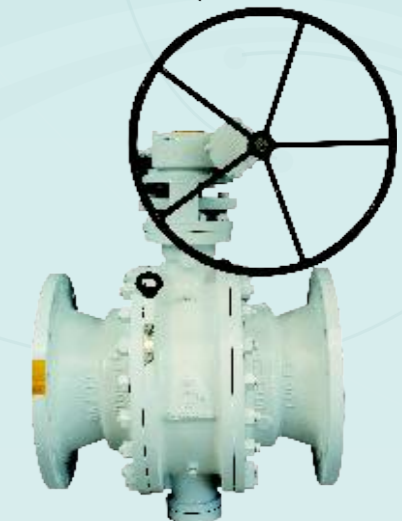
Globe Valves



Forged Steel Check Valves  
(Gate/Globe Varieties)



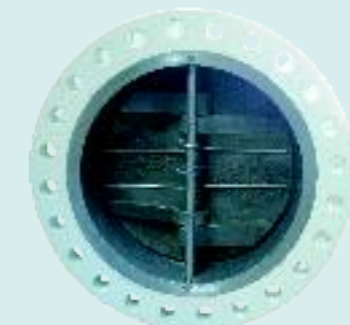
Swing Check Valves



Ball Valves



Butterfly Valves



Dual Plate Check Valves

A Gate Valve, is a valve that opens by lifting a round or rectangular gate/wedge out of the path of the fluid.  
**Design Features:** Designed for high pressure and high temperature applications, for a wide range of fluids except slurries and viscous fluids. These valves are generally used in the wide open or closed position, are not recommended for throttling service because throttling causes disc chattering and vibration which is likely to erode the seating surface and cause leakage.

**Applications:** Petroleum, Power Generation, Chemicals, Fertilizer, Steel Industries, Isolation Drain, Shut-Off Valves, Feed Water and Steam  
**Operators:** Handwheel, Chainwheel, Gear Electrical Actuator, Pneumatic/Hydraulic, Actuator Operated.  
**Special Features:** Pressure Sealed Joints / Double Block and Bleed/Cryogenic Service to BS 6364/Nace Specifications (MR-01-75), Position Indicator, Drain & Bypassarrangement.

Production Capacity - 2" - 12" - 550 Nos/Month - 14" And Above - 150 Nos/Month

Material	Size Range	Construction	ANSI Class	Standard
Cast Carbon Steel/ Cast Alloy Steel	2" - 36"	Bolted or Pressure Sealed.	150# - 2500#	API 600, BS 1414, API 6D
Cast Stainless Steel	2" - 36"	Bolted or Pressure Sealed.	150# - 2500#	API 600, BS 1414, API 6D
Bronze	2" - 10"	Bolted Bonnet	150# - 600#	API 600, BS 1414

Temperature Range: -100°C to 800°C  
 Pressure Rating: Vacuum upto 621 BAR  
 End to End Dimension: ANSI B 16.10/DIN 3230  
 Inspection Std.: API 598/BS 6755  
 Ends: Flanged/Buttweld



A Globe Valve is used for regulating flow in a pipeline, and consists of a movable disk-type element and a stationary ring-seat, in a spherical body.  
**Design Features:** Designed for least possible obstruction to free flow by providing curvature turns in the body thereby minimising stresses & turbulence. The plug & seat-ring are machined and lapped very precisely to get a very tight sealing when valve is closed. Designed and manufactured to the highest standards of quality and, durability.

**Applications:** Petroleum, Power Generation, Chemicals, Fertilizers, Steel industry, Natural Gas/Fuel Oil control, Steam Control and Feed Water Control.  
**Operators:** Handwheel, Chainwheel, Gear Electrical Actuator, Pneumatic/Hydraulic, Actuator Operated.  
**Special Features:** Pressure Sealed Joints/ Double Block And Bleed/ Cryogenic Service to BS 6364/ Nace Specifications (MR-01-75), Regulating Discs for Throttling Service, Double Disc, Bypassarrangement.



Production Capacity - 2" - 12" - 650 Nos/ Month - 14" - 20" - 50 Nos/Month

Material	Size Range	Construction	ANSI Class	Standard
Cast Carbon Steel/ Cast Alloy Steel	2" - 20"	Bolted or Pressure Sealed.	150# - 2500#	BS 1873
Cast Stainless Steel	2" - 20"	Bolted or Pressure Sealed.	150# - 2500#	BS 1873
Bronze	2" - 8"	Bolted Bonnet	150# - 600#	BS 1873

Temperature Range: Vacuum - 545°C  
 Pressure Rating: Upto 621 BAR  
 End to End Dimen.: ANSI B 16.10  
 Inspection Std.: API 598/BS 6755  
 Ends: Flanged/Buttweld



# Forged Steel Check Valves (Gate / Globe check varieties)

# Swing Check Valves

Forged body small bore valve in screwed or socket weld ends  
**Design Features:** High-temperature and high pressure Gate globe, Check Valves used in most critical steam applications.  
**Applications:** Power, Petroleum, Refineries, Chemicals, Steel Industries, Paper & Pulp Industries.  
**Operators:** Handwheel, Electrical Actuator.  
**Special features:** Extended Bonnet, Welded Bonnet

Forged Steel Check Valves  
 Production Capacity – ½" - 2" - 4100 Nos/Month - 14" And Above – 150 Nos./Month  
 Temperature range: < 454°C  
 Pressure Rating: < 620 KG/CM<sup>2</sup>  
 Mfg Standard: BS 5352/API 602  
 End to End Dimen.: ANSI B 16.10  
 Inspection Std.: API 598  
 Ends: Socket/Screwed, Flanged/Buttweld



A Swing Check Valve or tilting disc check valve is check valve in which the disc, the movable part to block the flow, swings on a hinge or trunnion, either onto the seat to block reverse flow, or off the seat to allow forward flow.

**Design features:** The body is designed for strength to meet operating conditions, and contoured to minimize erosion and resistance to flow. The disc is opened and sustained in open position by the Velocity pressure of the fluid and closed by the force of gravity. Seating load and resultant tightness is aided by back pressure in the line. The body seat-ring is seal-welded to the body avoiding leakage in the path between the seat ring and the body. The seating surfaces are ground and lapped.

**Applications:** Chemicals, Fertilizers, Feed Water, Petroleum, Power Generation, Steel Industries and Effluent Treatment Plants  
**Operators:** Automatic/ Hydraulic Damper/ Counter Weights.  
**Special Features:** Dashpot Arrangement, Drain Plug & Bypass arrangement

Production Capacity – 2" - 2" - 400 Nos/Month - 14 - 20" - 50 Nos/Month				
Material	Size Range	Construction	ANSI Class	Standard
Cast Carbon Steel/ Cast Alloy Steel	2" - 20"	Bolted or Pressure Sealed.	150# - 2500#	BS 1868 API 6D
Cast Stainless Steel	2" - 20"	Bolted or Pressure Sealed.	150# - 2500#	BS 1868 API 6D
Bronze	2" - 8"	Bolted Bonnet	150# - 600#	BS 1868 API 6D

Temperature range: -100°C to 600°C  
 Pressure Rating: Vacuum upto 621 KG/CM<sup>2</sup>  
 Mfg Standard: BS1868  
 End to End Dimen.: ANSI B 16.10  
 Inspection Std.: API 598/BS 6755  
 Ends: Flanged/Buttweld



A Ball Valve is a stop valve in which the closing member, the movable part to block the flow, is a spherical ball. Sometimes, the ball may be floating or mounted on trunnion support based on sizes and pressures. Spring-loaded

**Design Features:** Regular Port, Full Bore, 2-piece or 3-piece design. Seats can be of PTFE NYLON, CARBON GRAPHITE etc. suitable for operating conditions. Ball components have a precise finish enabling a high number of valve operation cycle. Continuity between body and ball, ball and stem is provided by an antistatic device. The stem anti blow out design, is mechanically separated with the ball. In case of deterioration of the soft seat due to prolonged exposure to a fire, a metal to metal contact, between seat and ball will restore the sealing to stop the flow of fluid.

**Applications:** Petroleum, Power Generation, Chemicals, Fertilizers & Natural Gas / Fuel Oil Control

**Operators:** Lever Operated. : Gear, Electrical Actuator, Pneumatic / Hydraulic Actuator.

**Special Features:** Fire safe, Jacketed, Extended Stem.

A Butterfly Valve is a valve used for flow regulation in which the closing member takes the form of disc. shaft stainless steel disc edge and are features on all valves. These valves are suitable for flows in either direction and seal in both directions. The valves can be used for both tight shut off as well as for regulating purpose. Only a quarter-turn is required to fully open or close the valve.

**Applications:** Intake Water Systems, In Water Treatment Plants, Gases, Oil and Especially Corrosion Fluids.

**Operators:** Lever, Gear, Electrical Actuator, Pneumatic/Hydraulic, Actuator Operated.

Production Capacity - 1/2" - 6" - 1400 Nos/Month - 8" And Above - 225 Nos/Month

Material	Size Range	Construction	ANSI Class	Standard
Cast Alloy Steel	2" - 20"	Bolted or Pressure Sealed.	150# - 2500#	BS 5351 API 6D.
Cast Stainless Steel	2" - 20"	Bolted or Pressure Sealed.	150# - 1500#	BS 5351 API 6D.
Bronze	2" - 6"	Bolted Bonnet	150# - 600#	BS 5351

Production Range - 3" - 12" - 150 Nos/Month - 16" And Above - 35 Nos/Month

Material	Size Range	Construction	ANSI Class	Standard
Cast Alloy Steel	2" - 60"	Wafer, Lugged Or Flanged, Slim Seal Or Off-set	150#	API 609, BS 5155
Cast Stainless Steel	2" - 60"		150#	API 609, BS 5155 AWWA C 150

Temperature range: -20 to 180°C  
 Pressure Rating: Vacuum upto 621 BAR.  
 End to End Dimen.: API 6D / ANSI B 16.10  
 Inspection Std.: API 598/BS 6755  
 Ends: Flanged End, Screwed Ends, Butt weld, Socket Weld.

Temperature Range: 0 to 120°C  
 Pressure Rating: 0 upto 16 Kg/Cm<sup>2</sup>  
 Inspection Std.: AWWA- C 504/API 598  
 ENDS: Flanged/ Wafer Type  
 Seating Option: E.P.D.M./Nitrile/NBR/Viton







The Dual Plate Check Valve is a multi-purpose valve that is stronger, lighter and smaller compared to conventional swing check or lift check valves.

**Design Features:** Separate springs are provided for each door to close. This reduces and overcomes the frictional coefficient due to one plate resting upon another. The spring life cycle is studied and the dynamic behavior of the valve is recorded. This type of valve prevents flow reversal, functions silently and totally prevents "Water Hammer". It's generally light weight, and can be mounted in any direction (Horizontal/Vertical). Also, it has a high CV value and less pressure drop. It's designed for non-slamming action that prevents premature valve failure, and the valve functions silently for longer duration.

**Applications:** Chemicals, Fertilizers, Refineries, Effluent Treatment Plant

**Operators:** Automatic Spring Return.

**Special Features:** Rubber Lined, Soft Seated

Production Capacity – 2" - 12" - 150 Nos/Month - 14" And Above - 50 Nos./Month

Material	Size Range	Construction	ANSI Class	Standard
Cast Carbon Steel	2" - 36"	Wafer/Flanged	150# - 2500#	API 6D / API 594
Cast Stainless Steel	2" - 36"	Wafer/Flanged	150# - 2500#	API 6D / API 594
Cast Iron	2" - 36"	Wafer/Flanged	125#	BS 5351

Temperature range: -100°C to 600°C  
 Pressure Rating: Vacuum upto 621 Kg/Cm<sup>2</sup>  
 Inspection Std.: API 598  
 Ends: Flanged, Wafer, Lugged

Material	Conforming to (Chemical & Physical)	Temperature Range	Service Conditions
Carbon Steel	ASTM A 216 GR. WCB	38° - 400°C	Low Temp. Steam / Oil / Water And Standard Services.
Alloy Steel	ASTM A 217 GR. WC-6 ASTM A 217 GR. WC-9	38° - 450°C 38° - 550°C	High Temperature Steam / Boiler Feed Water
Low Carbon Steel	ASTM A 352 GR. LCB ASTM A 352 GR. LC3	[-] 50° - 50° C [-] 150° - 0° C	Low Temp. Cryogenic Service .
Stainless Steel	ASTM A 351 GR. CF8 / 8M ASTM A 351 GR. CF3 / 3M ASTM A 351 GR. CN7M ASTM A 351 GR. CF8C ASTM A 351 GR. CK-20/30 SUPER DUPLEX STEEL	[-] 20° - 650°C	Corrosive Alkylies / Acids / Sea Water
Ductile Iron	ASTM A 536 GR. 65-12-18	20° - 200°C	Potable Water/ Sewage
Cast Iron	ASTM A 126 GR.B	20° - 200°C	Water, Sewage/ Waste Water

**Trim Materials**

- ▶ 13% CR. Steel
- ▶ 13% CR. Steel + Stellite Seats
- ▶ Stainless Steel - 304, 316, 304L, 420, 431, 17PH4, Monel, Inconel-625, CN7M(Alloy 20)
- ▶ Ball Valves Seats- P.T.F.E., PTFE 15% Glass filled, PTFE 25% Carbon filled, Peek, Nylon
- ▶ Butterfly Valves Rubber Lining/Seat Nitrile/EPDM/Viton/Hypalon/Silicon/PFA/Nylon

<p><b>Petroleum Refining</b></p> <ul style="list-style-type: none"> <li>Hydrogen</li> <li>Cracking Steam</li> <li>Crude Oil</li> <li>Gasoline</li> <li>Visbreakers</li> <li>Naptha</li> <li>Sulphur</li> </ul>	<p><b>Chemicals</b></p> <ul style="list-style-type: none"> <li>Chlorine</li> <li>Phosgene</li> <li>Aromatics</li> <li>Polymers</li> <li>Acid</li> <li>Air Separation</li> <li>Caustics</li> </ul>	<p><b>Marine</b></p> <ul style="list-style-type: none"> <li>Oil Tankers</li> <li>Tanker Loading Terminals</li> <li>Offshore Platforms</li> <li>Sub - Sea Manifolds</li> <li>Terminal Transfer Lines</li> <li>Barge Unloading Lines</li> <li>Shipboard Services</li> </ul>
<p><b>Oil and Gas Production</b></p> <ul style="list-style-type: none"> <li>Centrifugal Compressor Discharge</li> <li>Fire water Lines</li> <li>Oil/Steam Separation</li> <li>Steam and CO<sub>2</sub> Injection</li> <li>Gas/Oil Gathering Systems</li> <li>Flowlines</li> <li>Wellheads</li> </ul>	<p><b>Power Generation</b></p> <ul style="list-style-type: none"> <li>Steam</li> <li>Condensate</li> <li>Boiler Feed Pumps</li> <li>Cooling Towers</li> <li>Service Water Recirculations</li> <li>River Water Intake</li> </ul>	<p><b>Water and Waste Water</b></p> <ul style="list-style-type: none"> <li>Distribution Lines</li> <li>Pumping Stations</li> <li>Sewage Plant Blower Discharge</li> <li>Chemical Treatment</li> <li>Fire Protection Systems</li> <li>HVAC Systems</li> </ul>
<p><b>Petrochemicals</b></p> <ul style="list-style-type: none"> <li>Ethylene</li> <li>Propylene</li> <li>Steam</li> <li>Reboilers</li> <li>Gases</li> </ul>	<p><b>Steel/Primary Metals</b></p> <ul style="list-style-type: none"> <li>Quench Lines</li> <li>De-Scaling</li> <li>Continous Casters</li> <li>Steam</li> <li>Condensate</li> <li>Strippers</li> <li>Electro-Galcanizing</li> </ul>	<p><b>Pulp and Paper</b></p> <ul style="list-style-type: none"> <li>Bleaching Lines</li> <li>Black Liquor</li> <li>Green Liquor</li> <li>White Water</li> <li>Steam</li> <li>Chemical Recovery</li> </ul>

Petrochemical Plant



Gas Plant



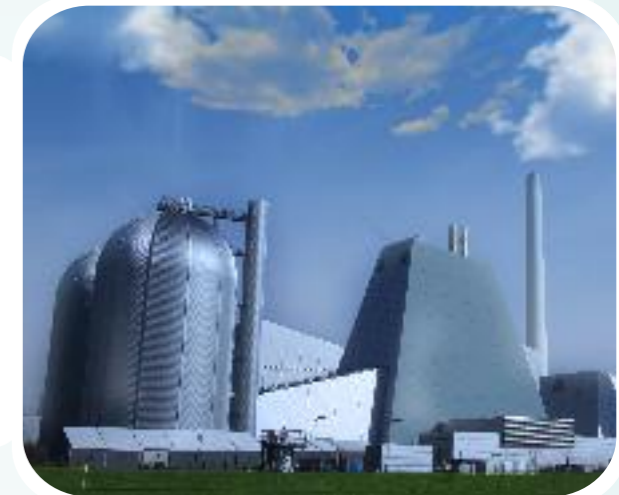
Petroleum Refining



Power Plant



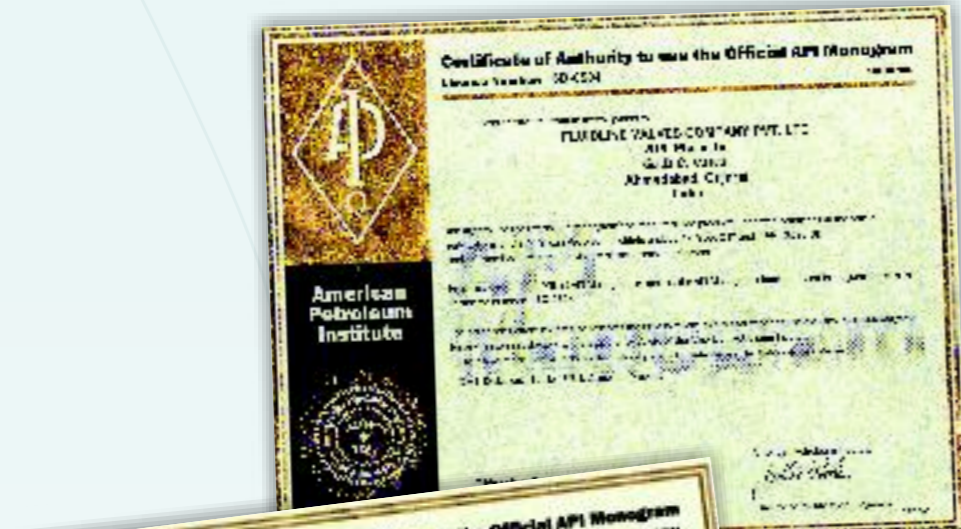
Nuclear Plant



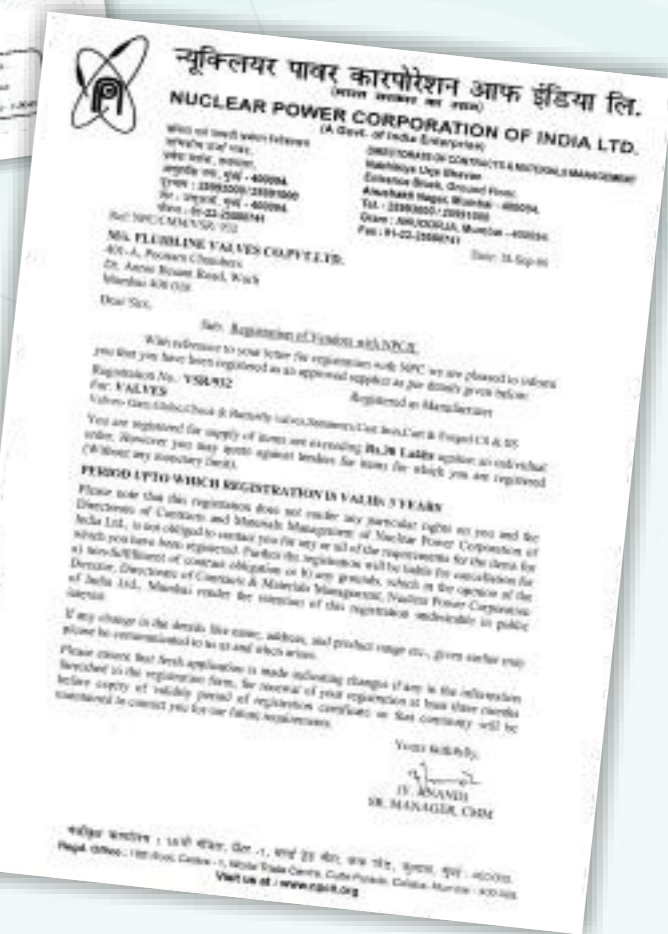
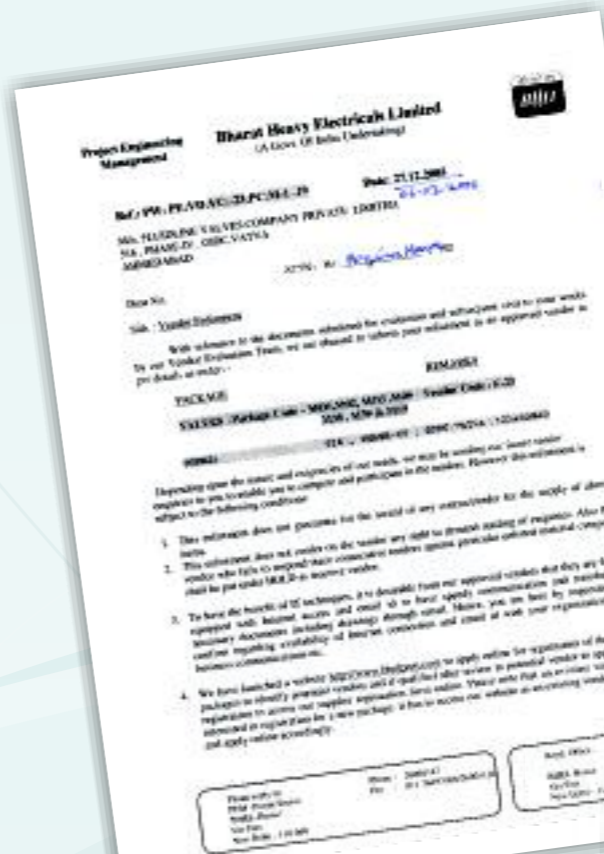
Oil and Gas Production













**ABB**

Ref: PESMLTSM1PV Dated: 13-05-88

M/s. Fluidline Valves Co. (P) Ltd.  
48/50, Bhappala Street,  
Mumbai - 400 003.

Kind Attn: Mr. Zahir Hussain - Director

**Sub: Enlistment of vendors for LP valves (Gate, Globe & Check) and Butterfly Valves for water, air & fuel oil applications for Power Projects - Finalisation of Quality Plans**

Ref: Your letter No. ZFH-ABB-1125 dt. 04.02.87  
Your letter No. ZFH-ABB-1191 dt. 27.02.87  
Your letter No. FPL-ABB-1601 dt. 19.07.87

Dear Sirs,

We thank you for the interest shown by you in associating with us for the implementation of the various Power Projects being set-up / proposed to be set-up by us. We sincerely appreciate the efforts put in by your people in explaining to us the functioning of the various departments / groups in your organization with regard to the subject package.

We are enclosing herewith a write-up on Supplier Classification process which is being adopted for the various packages being sublet by us. As can be seen from the enclosed document, we have kept ISO accreditation as one of the criteria for qualification of the supplier in the category Level II, i.e. "Qualified". In all our EPC contracts, ISO accreditation is demanded by customers. It is just a matter of time that ISO accreditation will be considered as essential for EPC contractor as well as his suppliers. Hence, for you to be a "Qualified" supplier in such EPC projects, it is imperative for you to continue to have ISO accreditation.

While for the present, we have decided to issue tender enquiries to both 'Approved' as well as 'Qualified' suppliers, we may add that in future, we are targeting to restrict tender enquiries only to the qualified suppliers. Further, a 'Qualified' supplier stands to gain advantage in a competitive situation, compared to an 'Approved' supplier.

**Asea Brown Boveri Limited**

**AVANT-GARDE ENGINEERS AND CONSULTANTS (P) LTD.**  
No. 06A, POORU SUNDARATHAN HIGH ROAD, POORU, CHENNAI - 600 115, INDIA  
TEL: 91-44-24897843, 24888530, 24888717, 18, 19, 20 FAX: 91-44-24888337  
E-mail: avantgarde@vsnl.com Web Site: http://www.avantgarde-india.com

14<sup>th</sup> January, 2008

M/s. Fluidline Valves Co. Pvt. Ltd.,  
401-A, Rustom Chambers,  
115, De Anze Bazaar Road,  
Work, Marolli 400 518  
Ph: 022-24944057 / 58.

Kind Attn: Mr. Avin Hussain,  
Director (Marketing)

Dear Sirs,

Sub: Vendor Registration / Approval - Renewal  
Ref: Your letter no. JPL-AH12, TR.08 dated 11.01.2008.

You have been registered / approved as vendor with us vide our communication letter SOV/FORMAL/SCNG/02002/02, 2002 for the following products/services:

- Design, Manufacture and Supply of Gate, Globe and Check Valves of Size NB 58 and above, socket welded Forged Carbon Steel, Class 200.
- Size NB 65 and above, DN / Flanged Cast Carbon Steel / Cast alloy steel class 200 up to 400 Bolted and above DN / Flanged Cast Carbon Steel / Cast alloy steel class 200 with pressure seal Bonnet design.

This approval / registration was to expire December 01, 2007. It is hereby informed that the above approval / registration has been extended up to December 01, 2008. You can see your name listed in our web site in the following Classification No: 24402.

With the above approval your company will be included in the master list of approved vendors.

For all our projects, the above matter that will be sent to our clients, who in turn will select a few names from the list as their probable vendors. Registration with us does not mean confirmed issue of tender documents for projects. The approval list of vendors in project specific.

Our other conditions of registration / approval will continue to apply.

Thanking you,

**For AVANT-GARDE ENGINEERS & CONSULTANTS (P) LTD.,**  
K. RAMANT  
Head - Vendor Registration Cell  
Note: Please ensure the presence of our Hologram Sticker.

**شركة تنمية نفط عمان L.L.C.**  
Petroleum Development Oman L.L.C.

CERTIFICATE OF REGISTRATION - PROBABLY VENDORS

CERTIFICATE NUMBER: 180645  
First Registered With PDO: Date of Issue: 04/05/2008

**PETROLEUM DEVELOPMENT OMAN L.L.C.**  
CERTIFICATE THAT

Manufacturer: Fluidline Valves Co. Pvt. Ltd.  
Country of Origin: India  
Local Agent: Ajeet Singh Trading LLC  
Postal Address: P.O. Box 481, PC 111 Al Wadi Al Kabir - Sultanate of Oman

IS REGISTERED WITH THE COMPANY AS AN APPROVED PRODUCT VENDOR WITH EFFECT FROM THE DATE OF ISSUE OF THIS CERTIFICATE FOR THE FOLLOWING PRODUCT CATEGORY (CATEGORIES):

**Valves**

SHALL BE LIMITED TO TAMAM WITH THE FOLLOWING SPECIFICATIONS:  
1. BALL VALVES: 1/2" THROUGH 12"  
2. GLOBE VALVES: 1/2" THROUGH 12"  
3. CHECK VALVES: 1/2" THROUGH 12"  
4. BUTTERFLY VALVES: 1/2" THROUGH 12"  
5. GATE VALVES: 1/2" THROUGH 12"  
6. CAST IRON VALVES: 1/2" THROUGH 12"  
7. CAST STEEL VALVES: 1/2" THROUGH 12"  
8. FORGED CARBON STEEL VALVES: 1/2" THROUGH 12"  
9. CAST ALLOY STEEL VALVES: 1/2" THROUGH 12"  
10. WELDED VALVES: 1/2" THROUGH 12"  
11. SOCKET WELDED VALVES: 1/2" THROUGH 12"  
12. FLANGED VALVES: 1/2" THROUGH 12"  
13. BONNET VALVES: 1/2" THROUGH 12"  
14. PRESSURE SEAL VALVES: 1/2" THROUGH 12"  
15. VALVES WITH SPECIAL REQUIREMENTS: 1/2" THROUGH 12"

FOR ALL OTHER SPECIFICATIONS, PLEASE REFER TO THE COMPANY'S APPROVED VENDOR LIST.

**Walter Al Busaidy (PFI)**  
Head Business Development

NO. THE CERTIFICATE IS VALID UNTIL: 06/06/2012

**شركة تنمية نفط عمان**  
SABIC Engineering & Project Management  
Head Office: P.O. Box 481, PC 111 Al Wadi Al Kabir - Sultanate of Oman

**FACSIMILE TRANSMISSION**

TO: Mr. AVIN HUSSAIN, Marketing Manager, (SABIC) Industrial Supplies, Dhahran (KSA)  
Address: PO Box 481, PC 111 Al Wadi Al Kabir - Sultanate of Oman

DATE: 17<sup>th</sup> August 2007  
NO. OF PAGES: 02  
PAGE NO: 001/002

Dear Sirs,

We would like to inform you that your company has been included in SABIC Engineering & Project Management Approved Vendor List for the following products:

ITEM NO.	PRODUCTS	SIZE AND TYPES	BRAND NAME
1	Gate, Globe & Check Valves	1/2" through 12" Class 200 and above as cast iron & alloy steel	SABIC FLUIDLINE VALVES CO. PVT. LTD., India
2	Ball valves up to 12", Check valves up to 12" & Check valve up to 27" for applications in wellbore service such as valves, well, etc.		
3	Manufacture of Construction for Forged Carbon Steel, Cast Alloy Steel & Alloy Steel		

In order to update our vendor data base, please fill in the attached form (Attachment 1) and send it back to the undersigned. This is for the consideration of your address and contact details.

**Walter Al Busaidy**  
Vendor Customer Leader

**SABIC**

354006  
FLUIDLINE VALVES CO. PVT. LTD.  
Telephone: 912224844207  
Fax: 912224844208  
E-mail: fluidline@fluidline.com  
Attention: ZAHIR HUSSAIN  
Subject: QUALIFICATION

Date: 11-Dec-07  
Total Pages: 1

Dear Supplier,

Based on business needs, we are pleased to report that you have been qualified as vendor of Saudi Basic Industries Corporation (SABIC).

Qualification means that you are eligible to receive requests for quotations and orders for the designated materials and / or services. However, there is no guarantee that you will receive any such requests or orders.

Please indicate your Vendor Number as mentioned above when communicating with SABIC for easy reference.

Thank you for your interest in being a supplier to SABIC.

**Walter Al Busaidy**  
Supplier Registration & Analysis  
SABIC Service Services Supply Management Department  
Phone: +966-3-260-1801  
Fax: +966-3-260-1820  
E-Mail: w.albusaidy@sabico.com

**شركة الخليج للعمليات**  
AS-SHARAH JOINT OPERATIONS  
Saudi Gulf Oil Company  
Engineering Support Department  
Ext. 2707, Fax: 706-4150

February 26, 2008

850/MC/AGOC/M023306

To: M/s Fluidline Valves Co. Pvt. Ltd.  
India

Sub: Vendor Approval (Gateways)

In continuation to our previous approval, please be advised that the following Valves are approved:

- Ball valves (1/2" through 12")
- Gate Valves (1/2" through 6")
- Check valves (1/2" through 6")
- Globe Valves (1/2" through 6")

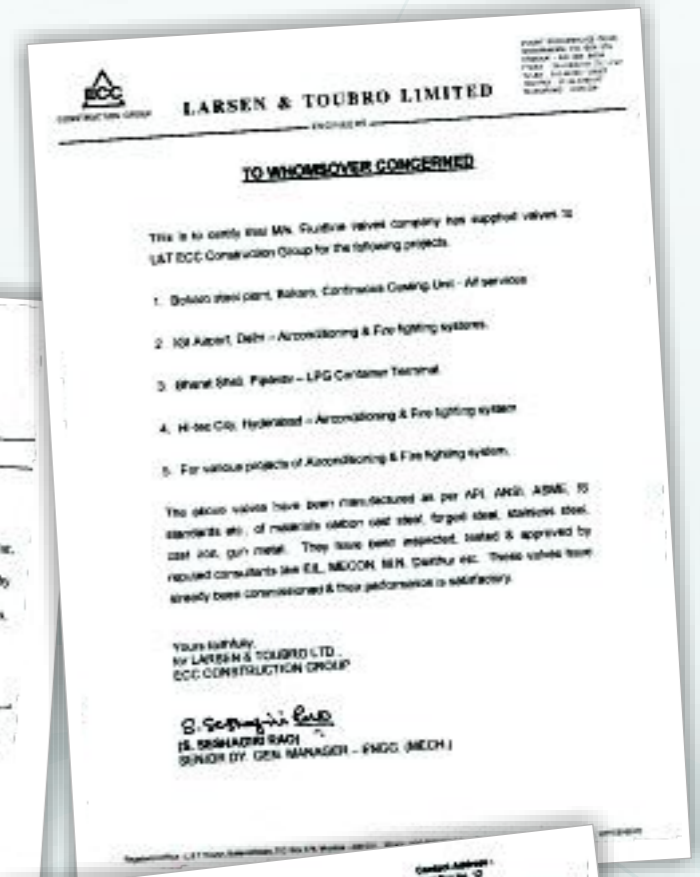
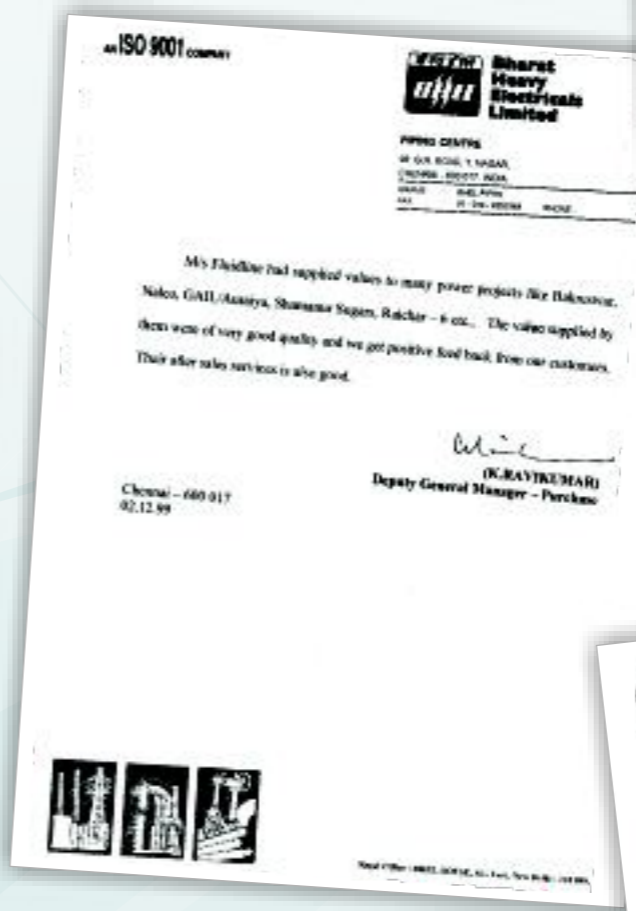
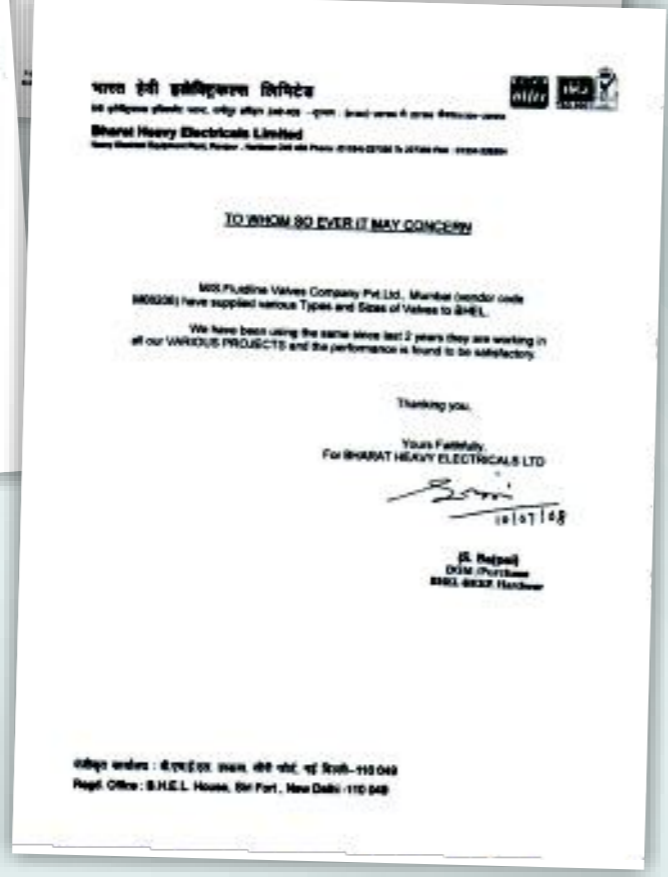
This approval for the above commodities will be in effect for one year from the date of this letter. This approval shall be valid during this period strictly subject to compliance to the applicable standards & satisfactory performance of your product.

This approval shall not be construed as a commitment for any purchases from your Company. However, your company will be given equal opportunity along with other approved vendors for the purchase of the commodities which you are approved for.

Best Regards,

**Adil A. Al-Murfi**  
Chief Engineer, I & C Division  
AS Shahrh Joint Operations Kingdom of Saudi Arabia







**ABDULLA AHMED NASS & SONS**  
Commercial Division

Phone: +973 703123, Fax: +973 703090, Email: commercial@aanass.com.bh, Web site: aanass.com.bh

Date: July 19<sup>th</sup> 2003 Ref: 003/F07/03

TO WHOM IT MAY CONCERN

This is to confirm that we have been representing M/S. FLUIDLINE OF INDIA for the last three years, and have been all along dealing with them, using their products and marketing them as well throughout the Kingdom of Bahrain and are very satisfied with their various products.


Some of the Valves used:

- 1) Gate Valves
- 2) Check Valves
- 3) Butterfly valves
- 4) Globe Valves

These Valves have been used in both Ductile Iron and Cast steel in 150#, 300#, PN-16, PN-25 & PN-64 Ratings.

We hereby confirm our own satisfaction and satisfaction of our clients in the various sectors in the kingdom.

With our best wishes,

  
Dr. Ihsan Shana'a  
Irrigation and Electro-Mech. Div. Manager  
Mobile 00973 94 33 88 4

**AL-HIRAINI & AL-MUJEL COMPANY LTD.** **XHMT**  
شركة الهريش والمجل المحدودة

REF: HMT/2006/006  
DT: 10/10/2006

TO:  
M/S. FLUIDLINE VALVES CO. PVT. LTD.  
401-A, PANDAN CHAMBER,  
115, DR. ANNA REGENT ROAD,  
SINGAPORE

REAR: 06

THIS IS TO CERTIFY THAT THE FOLLOWING VALVES FROM FLUIDLINE VALVES COMPANY PVT. LTD., INDIA ARE BEING USED BY AL-HIRAINI JOINT OPERATION (WHICH IS A JOINT VENTURE BETWEEN SAHIL ABARCO AND KIRKPATRICK OIL COMPANIES - AN OFF SHORE EXPLORATION PLATFORM).

**LIST OF VALVES:-**

GATE VALVES, NON RETURN VALVES,  
GLOBE VALVES, BALL VALVES,  
BUTTERFLY VALVES,  
DIAPHRAGM VALVES,  
SIZE: 12" - 6"  
RATING: 150# - 600#  
MATERIALS: CARBON STEEL / STAINLESS STEEL

THESE VALVES WERE SUPPLIED TO KJO IN MAY 2004 AND JUNE 2004.

WE ARE PLEASED TO INFORM THESE HAVE BEEN INSTALLED / COMMISSIONED BY OUR CUSTOMER AND HAVE NO COMPLAINTS TO DATE.

SINCERELY,  
FOR AL-HIRAINI & AL-MUJEL CO. LTD.

  
AHMAD KHAN  
MARKETING MANAGER  
(SALE & TECHNICAL DIVISION)

Cyclic Test Certificate for Butterfly Valve

**Germanscher Lloyd**  
Date: 04/10/07

**CYCLIC TEST CERTIFICATE**

Client: M/S. Fluidline Valves Company Pvt Ltd, Manamadurai  
Certificate No: GLO/2007/0000001  
Date: 04/10/07

THIS CERTIFICATE IS ISSUED TO M/S. Fluidline Valves Company Pvt Ltd. IN TESTIFY THAT AS REQUESTED BY THE CLIENT, THE VALVES SUPPLIED BY M/S. Fluidline Valves Company Pvt Ltd. TO THE CLIENT FOR THE PURPOSE OF CYCLIC TEST AT THE CLIENT'S WORKS AT 254/255, Phase IV, S.I.C. VALVE, Manamadurai, District - 624403 (India) ON 04/10/07 BY G.L.S. SURVEYORS, Manamadurai.

**TECHNICAL SPECIFICATION**

Construction: Cast Iron Nodular Casted Butterfly Valve, Gear Operated  
Size: 20" (DN)  
Class: 150#  
Production No: FV0000107

**MATERIAL OF CONSTRUCTION**

Body & Cover: Cast Iron  
Seat: Cast Iron  
Top & Bottom Bolt: Cast Iron  
Body Bolt Ring: Cast Iron

Conclusion: Butterfly valve in 150# pressure on large test successfully passed 1000 hrs. Cyclic Test as per procedure outlined in ASME B31.3 was followed by ultrasonic, D.I.G. Surveys on and between 11.10.2007 to 02.11.2007. Cyclic test report, Physical Test Report, Dimensional inspection report and required Test reports are enclosed herewith after endorsement by us.

DATE OF ISSUE: 04/10/07

S. K. SINGH  
Germanscher Lloyd Industrial Services, Delhi  
C/O OVE Charge Services Pvt. Ltd.

Fugitive Emission Test

**Fluidline Valves Company Private Limited**

**FUGITIVE EMISSION TEST**

Client: S. K. SINGH  
Date: 11/10/2006

PROJECT: S. K. SINGH ENGINEERING & CONSTRUCTION L.L.C.  
ADDRESS: S. K. SINGH ENGINEERING & CONSTRUCTION L.L.C., B. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

**Germanscher Lloyd**  
Date: 12/06/2007

**CYTOGENIC TEST AS PER BS-5944**

Client: Fluidline Valves Company Pvt Ltd  
Certificate No: GLO/2007/0000001

THIS CERTIFICATE IS ISSUED TO M/S. Fluidline Valves Company Pvt Ltd. IN TESTIFY THAT AS REQUESTED BY THE CLIENT, THE VALVES SUPPLIED BY M/S. Fluidline Valves Company Pvt Ltd. TO THE CLIENT FOR THE PURPOSE OF CYTOGENIC TEST AT THE CLIENT'S WORKS AT 254/255, Phase IV, S.I.C. VALVE, Manamadurai, District - 624403 (India) ON 12/06/2007 BY G.L.S. SURVEYORS, Manamadurai.

**TECHNICAL SPECIFICATION**

Construction: Cast Steel  
Size: 20" (DN)  
Class: 150#  
Production No: FV0000107

**MATERIAL OF CONSTRUCTION**

Body & Cover: Cast Steel  
Seat: Cast Steel  
Top & Bottom Bolt: Cast Steel  
Body Bolt Ring: Cast Steel

Conclusion: Butterfly valve in 150# pressure on large test successfully passed 1000 hrs. Cyclic Test as per procedure outlined in ASME B31.3 was followed by ultrasonic, D.I.G. Surveys on and between 11.10.2007 to 02.11.2007. Cyclic test report, Physical Test Report, Dimensional inspection report and required Test reports are enclosed herewith after endorsement by us.

Cyrogenic Test

**Germanscher Lloyd**  
Date: 20/06/2006

**FIRE TEST CERTIFICATE**

Client: Fluidline Valves Company Pvt Ltd  
Certificate No: GLO/2006/0000001

THIS CERTIFICATE IS ISSUED TO M/S. Fluidline Valves Company Pvt Ltd. IN TESTIFY THAT AS REQUESTED BY THE CLIENT, THE VALVES SUPPLIED BY M/S. Fluidline Valves Company Pvt Ltd. TO THE CLIENT FOR THE PURPOSE OF FIRE TEST AT THE CLIENT'S WORKS AT 254/255, Phase IV, S.I.C. VALVE, Manamadurai, District - 624403 (India) ON 20/06/2006 BY G.L.S. SURVEYORS, Manamadurai.

**TECHNICAL SPECIFICATION**

Construction: Cast Steel  
Size: 20" (DN)  
Class: 150#  
Production No: FV0000107

**MATERIAL OF CONSTRUCTION**

Body & Cover: Cast Steel  
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Conclusion: Butterfly valve in 150# pressure on large test successfully passed 1000 hrs. Cyclic Test as per procedure outlined in ASME B31.3 was followed by ultrasonic, D.I.G. Surveys on and between 11.10.2007 to 02.11.2007. Cyclic test report, Physical Test Report, Dimensional inspection report and required Test reports are enclosed herewith after endorsement by us.

Fire Test Certificate

**International Office**

**UAE**  
 Fluidline Valves FZC  
 Sharjah Airport International Free (SAIF) Zone  
 Executive Suite, X4- 55  
 P.O. Box 120312  
 Sharjah, UAE  
 Tel: +971 6 557 6058  
 Fax: +971 6 557 6054  
 Contact Person: Mr. Dinesh Pillai - General Manager - Middle East

**Representative Offices**

**Muscat, Oman**  
 M/S. Abu Ilyas Trading LIC.  
 Engineered Products Division  
 Al-Khuwair House, 5th Floor,  
 (5C), Office No: 53,  
 Al Khuwair - Muscat  
 Sultanate of Oman  
 Tel.: 00968-24480939, 24487750, 24475658  
 Fax: 00968-24480954.  
 Contact Person: Mr. Tony Varghese

**Abu Dhabi - UAE**  
 M/s. Hatta Trading & Services Est.  
 Madinat Zayed, Nasser Al Zaabi Bldg.,  
 Mezzanine Floor, M2,  
 Abu Dhabi, UAE  
 Tel.: +971-2-6344435  
 Fax: +971-2-6345758/971-2-6350820  
 Email: hatta@hatta.ae  
 Contact Person: Mr.C.T. Hashim

**Malaysia**  
 Gas & Oil Support (Services) SDN BHD  
 Unit A2-17 PJ Industrial Park  
 Jalan Kemajuan  
 46200 Petaling Jaya, Selangor  
 Malaysia  
 Tel.: (6)03 7958 2325/6/7  
 Fax: (6)03 7958 2328  
 Contact Person: Ms. Sofia Muhammad Heng

**Indian Offices**

**Delhi**  
 FF-06, 1<sup>st</sup> Floor, National Arcade,  
 Plot No.- 4, Gazipur Shopping Complex,  
 Gazipur (Main Road),  
 Delhi - 110 096  
 Tel.: 011-22232137  
 Contact Person: Mr. Sanjay Agarwal

**Chennai**  
 "Anugraha"  
 New No.17G, Aani Street,  
 Chinmayanagar, Stage II,  
 Virugambakkam, Chennai - 600 092  
 Ph.no : 044- 42550204  
 M: 090030 11799 / 098416 16185  
 Contact Person: Mr.R.Jaiganesh

**Kolkatta**  
 4, Gokul Boral Street,  
 Kolkata - 700012  
 M: 098311 31654  
 Contact Person: Mr. Ashish Doshi

**Pune**  
 3, Wanowarie Bazar,  
 Pune - 411 001  
 Contact Person: Mr.J.S.Bokdawala,

**Representatives Offices**

**Bhilai**  
 M/S.Gayathry Enterprises,  
 221, 1<sup>st</sup> Floor,  
 Alankar Complex,  
 G.E.Road, Power House,  
 Bhilai - 490 001 (C.G.)  
 Telefax: 0788 - 2220019  
 Contact Person: Mr.Ashok Pillai

**Delhi**  
 M/S.Aroma Engineering,  
 F-54, Ground Floor,  
 Lajpat Nagar - 2,  
 New Delhi - 110 024  
 Tel.: 011 - 41721722  
 Contact Person: Mr. Rajesh Mahajan

**Bhopal**  
 M/S.P.S.Enterprises,  
 162, M-4 Ashirwad Complex,  
 Zone - I,  
 Bhopal - 462 011  
 Tel.: 0755 - 2577328  
 Contact Person: Mr.Manoj Agarwal

**Vishakhapatnam**  
 M/s. Sun Marketing Agencies,  
 53-31-10/A, K.R.M. Colony,  
 Seethammadhara  
 Vishakhapatnam - 530 013  
 Contact Person: Mr.Anand Kumar