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An ISO 9001 : 2008 Organisation

EVER LENER FURNI

SIBILITY
SIBILITY
ALURYS
ALURY

EXCELLENCE EVO

When something
is made with
responsibility
and care.
It is always
highly valued.

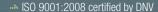
When Craftsmanship of the highest caliber creates a special sensation.







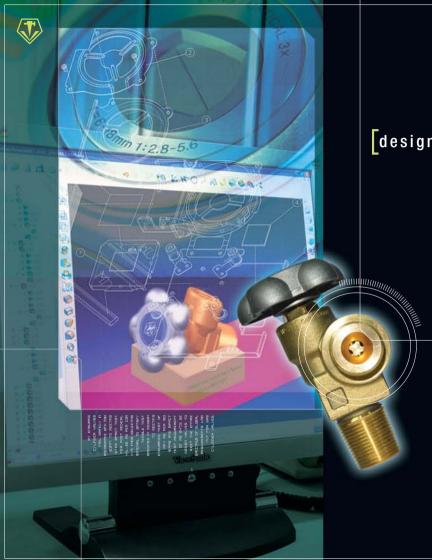




- --- Products exceed requirements of national and international standards
- First Indian Gas Cylinder Valve Manufacturer to be awarded the " π " mark by BAM Berlin in accordance with Transportable Pressure Equipment Directive
- Fully integrated state-of-the-art infrastructure with complementing support facilities
- --- Factory occupies total area of 2,00,00 square feet with covered area of over 1,10,000 square feet
- --- Capacity to produce 1 million valves per annum
- --- Customers include Leading Gas Cylinder Manufacturers, Gas Manufacturing plants, NGV Retrofitters, Chemical Plants, Fire Fighting and Life Saving Equipment Manufacturers



Mr. Y K Behani Founder and Managing Partner



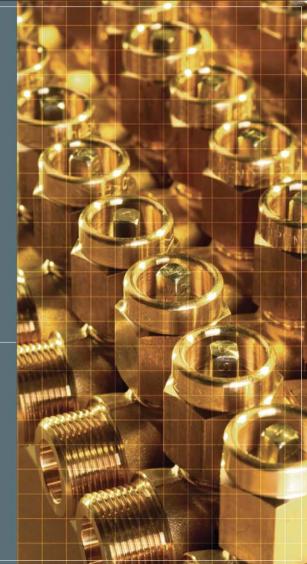
designed to perform

By ensuring cylinder valves fail safely in accordance with ISO 10297 to meeting stem impact test for post medical valves as per CGA V-9, from selecting material to satisfy tensile test specified in IS:3224 to meeting endurance test of RPV as per 1SO 15996 and impact test requirement of AS 2473; we design valves to meet the entire spectrum of global requirements laid out for gas cylinder valves.

- Design activities integrated by use of Auto Cad Mechanical, 3D Inventor,
 Powershape and Powermill 3D modeling CAD/CAM softwares
- Active participation in ISO working groups, CGA valve committee,
 Chlorine Institute task force and Indian Standard Committee dealing with high pressure gas cylinder valves
- --- Collaboration with BAM, Berlin for product testing and Module B certification in accordance with TPED

We encourage buyers to keep the feedback going. We are listening ...







ensuring symmetry

Our works have adequate in-house test and calibration facilities for testing of input, process and finished material. From use of spectrometer for checking chemical composition, verification of mechanical properties to ascertaining stresses in copper alloys in the chemical laboratory, each batch of raw material is earnestly checked before use.





-- Calibration facilities :

- Floating carriage microme
- Range of master wear check thread and plain gauges
- Comparison test num
- Digital torque transduc

-- Batch testing facilities:

Spring tester, UV Black light inspection, Plating thickness tester, Hydraulic test bench, Extrusion test bench, Tensile testing machine, land Impact test machine

-- Design testing facilities:

Low and high temperature tightness set up, Cyclic testing and activation test bench, Endurance test set up, Vibration test machine, Rotameters, Valve impact test facility, Excessive torque test vice











shaping excellence

We devote nearly half of our total production facility and engineering staff to run the tool room and forging shop, where the most demanding and defining activities are carried out during the valve manufacturing process.







- The tool room is well provided with Vertical machining centre to carve forging dies and trimming tools by directly importing 3D models of the component. Recondition of forging dies is carried out by Z-NC EDM machines
- Raw material is precision-cut by automatic band/slitting saw
- LPG powered, temperature controlled forging furnaces heat work pieces with uniform soaking time
- Temperature of the slug before forging is observed by a laser pyrometer, ensuring correct forging temperature and uniform grain flow and hardness of the forged piece
- --> Forged valve bodies after trimming are shot blasted and batch marked before being sent to the machine shop













[precision working]















precision working

The quality of machining, degree of automation, flexibility and machining of complex components in a single set up, differentiates us from competition. Single point cutting with high pressure coolant avoid stresses from developing during machining. The diverse range of CNC machines and process automation allow setting machines for small batch sizes as well as provide capability to mass produce components.





The Machine shop includes a range of :

- --- 2-axis CNC Turning machines with Robotic cell for unmanned loading and unloading
- -- 2-axis CNC Turning machines with indexing chucks
- --- Vertical Machining Centers with ATC and pallet changer
- Twin Spindle Turn Mill machines with Y- axis
- Twin Spindle, Twin Turret Turn Mill Centers for enhanced productivity
- Multi tasking new generation CNC machines with 120 degree B axis for unparalleled accuracy











[bright and clear]

For team at Tekno Valves, 'Cleaning' of the valves and components before assembly is one of the most critical operations in the entire manufacturing process. The degreasing of metal parts, carried out in a closed circuit uses best available technology in environment protection and health safety of the operators. Programmable cleaning equipment has a capacity to clean 600 valves per hour and in compliance with disposition of air pollution as per European Directive 1999/13/EC.

The cleaning cycle involves:

-- Pre-cleaning

-- Vapour Degreasing

-- Drying

--- Adsorption

--- Regeneration





- Lubrication of assembly parts is delivered by precise control needle valve with PLC control, ensuring the exact amount of lubrication is dispensed in each area as specified in design
- High pressure testing room provides fourteen independent work stations for pneumatic testing up to Working pressure of 400 Bar
- Every valve is checked for external and internal tightness at full service pressure by a team of specialists









trusted worldwide

Tekno Valves is delighted to be a supplier of choice for reputable companies operating from Canada to New Zealand and Germany to Venezuela.

A diversified range of products meeting International standards, use of modern technology, flexible manufacturing and quick response time has allowed us to build lasting relationship with over hundred customers in more than 35 countries around the globe.

With gas companies globally looking for reliable gas equipment manufacturers in Asia to cater to their growing needs in order to be increasingly cost competitive, we are well positioned to service new markets and exciting opportunities in the gas industry.

Australia

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Bhutan - Bolivia - Bulgaria -
              Canada - Chile - China -
                                                                Ethiopia - Germany - Iran - Jordan
         - Malaysia - Nepal - New Zealand -
Nepal - New Zealand - Poland - Qatar - Republica
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Kenva - Kingdom - Poland - Qatar - Republica Dominicana

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Kenya - Kingdom of Bahrain -
                                                                                             Dominicana - Romanía - Saudi Arabia - Singapore - South Africa - Spain - Sri Lanka - Sudan - Sultanate
                                   Bhutan - Bolivia - Bulgaria - Canada - Chile - China - Ethiopia - Germany - Iran - Jordan - Kenya - Kingdom of Bahrain - Kuwait - Malaysia - Nepal - New Zealand - Poland - Qatar - Republica
                             Spain - Sri Lanka - Sudan - Sultanate of Oman - Upanda - Tanzania - U.A.F - U.K. - U.S.A - Venezuela - Yemen - MexicoAustralia
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.... Kenya

Kingdom of Bahrain

--- Kuwait

--- Malaysia

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··· New Zealand

--- Poland

-- Qatar

-- Dominicana

-- Saudi Arabia

-- Sudan

- Sultanate of Oman

... U.S.A

... Venezuela

- Yemen



- -- Centralized compressor room
- Underground trenches for electrical wiring, coolant piping and compressed air line
- -- Overhead crane for maintenance
- --- Designated pathways for people and material movement
- -- Viewing gallery for visitors

The Tekno commitment towards health and safety is total.











Tekno Valves is a closely held organisation, led by Mr. Y.K. Behani, Managing Partner and Mr. N.K. Behani, Director- Commercial Their passion and enthusiasm to manufacture high quality gas cylinder valves is shared by the next generation. Mr. Rohit Behani and Mrs. Renu Behani head the Manufacturing and Sales department respectively and have been instrumental in elevating "Tekno Valves" image of excellence within the gas industry The family's active role in executive and operational activities, acts as a fulcrum for growth and a morale booster for team members.

The team consists of 150 full time employees and dedicated professionals with diverse range of competence and experience in the industry, and share the vision of giving Indian products its rightful place in the world market.



Think and act for the long-term has guided our choice of technology. With investments of over 5 Million USD and doubling of product range in the last five years, our engagement to the gas equipment business is integral to our mission of being one of the most preferred source for gas cylinder valves in the world.

Well accepted for our products, ethical business dealings and partnership approach with customers, suppliers and other stake holders, we are committed to raise the 'bar' in the industry with our products and services.



Our products are ready to handle your pressure ...



product range

Name: Key operated valves in packed design

Model No.: IHO-06 and IVO-06

Service : Oxygen, Hydrogen and Acetylene

Working Pressure : WP-200 Bar Specification : IS 3224:2002



Name : Key operated valves in O-ring seal design

Model No. : KHO-10 and KVO-10 Service : Technical and Medical gases Working Pressure : WP-250 Bar

Specification: ISO 10297:2006 and IS 3224:2002



Name: Wheel operated valves in O-ring seal design

Model No. : CWH-10/O,C,D and CWV-10/O

Service : Technical and Medical gases Working Pressure : WP-300 Bar

Specification: ISO 10297:2006 and IS 3224:2002



Name: Wheel operated valves with Residual pressure unit

Model No. : CRPV-10/O and CRPV-10/C
Service : Technical and Medical gases
Working Pressure : WP-300 Bar

Specification: ISO 10297:2006 and ISO 15996:2008



Name: Key operated valves in packed design

Model No. : CAV-06

Service : Chlorine and other liquifiable gases

Test Pressure: TP-50 Bar

Specification: ISO 10297:2006 and IS 3224:2002



Name : Twin phase valves in diaphragm design

Model No. : RDP-03

Service : Refrigerant gases
Test Pressure: TP-50 Bar

Specification: ISO 10297:2006 and IS 3224:2002







product range

Name: Pin index valves in Post, knob and toggle design

Model No. : MYC-10C Service : Medical gases

Test Pressure: WP-200 Bar/3000 psig

Specification: ISO 10297:2006, V-9-05 and IS 3224:2002



Name: Wheel and Knob operated valves for CNG

Model No. : ALV-11 and AHV-02

Services : CNG

Working Pressure : WP-260 kgf/cm2 Specification : IS:3224:2002



Name: Valves for fire extinguishers

Model No.: FWT-11, FSV-01 and FSV-08

Service : Carbondioxide

Working Pressure : WP-160 Bar Specification : IS 3224:2002



Name: Valves for Breathable air Model No.: HBA-10 and MBA-10

Service : Breathable air

Working Pressure : WP-300 Bar

Specification: ISO 10297:2006, EN 144-1-2005 and IS:7302



Name: Key operated valves in Steel Body

Model No. : CST-06 Service : Ammonia

Working Pressure : WP-40 kgf/cm2 Specification : IS:3224:2002



Name : Fusible and bling plug for cylinders and tonne containers

Service : Chlorine, Acetylene and others

Working Pressure : 500 psig Specification : As applicable





affiliations and certifications







