



UNIMAC CONTROL SYSTEM

-- Your Flow Solution Partner --

R-MTC2981

About Us

UNIMAC the manufacturing wing of UNITED MACHINERY STORES PVT LTD- which is pioneer in India since 1941 in the field of Valves and allied engineering products.

UNIMAC CONTROL SYSTEMS was founded by SAMIR RAWAL - CEO of the company in the year 2008, with work experience of more than 2 decades in Valve Industry.

UNIMAC has the additional advantage of working with top manufacturing and consulting companies in India.

Certifications/ Affiliations



ISO 9001-2008 by TUV NORD



D&B-D-U-N-S Certified



NSIC Certified



IBR Certified



Member Indian Plumbing Association

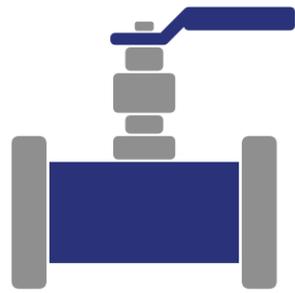


Member Federation Of Indian Exporter Organization- Fieo



Member Water Environment Federation Weftec UK

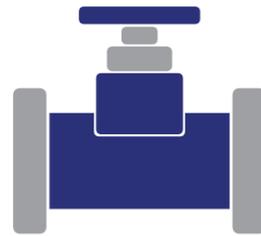
Our Products



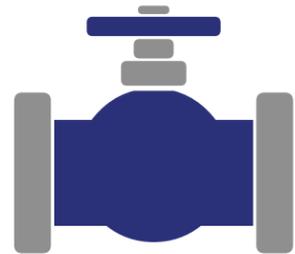
BALL VALVES



BUTTERFLY VALVES



GATE VALVES



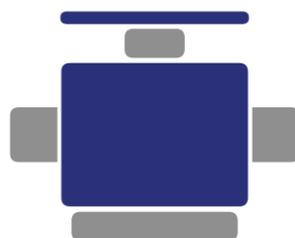
CHECK VALVES /
NON RETURN VALVES



GLOBE VALVES



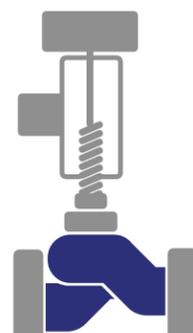
KNIFE GATE VALVES



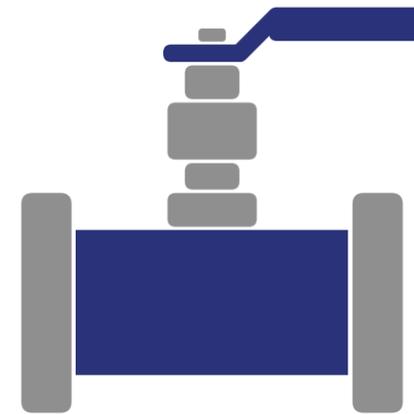
PLUG VALVES



STRAINERS – POT TYPE
AND Y TYPE



CONTROL VALVES



BALL VALVES

Manufacturing Standards : BS-5351 / API 6D

Pressure Ratings : CL 150/300/600/800/1500/2500

Manufacturing Standards : BS-5351 / API 6D

Material Of Construction : Cast Iron, SG Iron, Ductile Iron, Cast Steel, Forged Steel, IC CF-8, CF 8M, / Bronze/DU- PLEX AND SUPER SUPLEX etc as per requirement

Type Of Valves : 1 Piece / 2 Piece / 3 Piece Design

Port : Reduced / Full Port / V Port / Fire Safe Design

Type Of Seats : Soft Seats PTFE / GFT / CFT / PEEK / Metal to Metal Seating & PTFE Lined Valves

End Connection : Wafer Type, Screwed Ends – BSP / NPT / Flanged

Size Range : 150mm to 600mm

Operation : Hand Leaver / Gear Operated / Actuator Operated

Manufacturing Standards : BS-5155 / IS 13095 / AWWA / API

Pressure Ratings : 0.4 / 0.6 / 1.0 / 1.6 / 2.4 MPa

Material Of Construction : Cast Iron, SG Iron, Ductile Iron, Cast Steel, M S Fabricated, Bronze SS 304 or SS 316 as per requirement

Type Of Valves : Centre Disc / Double Eccentric / Triple Eccentric

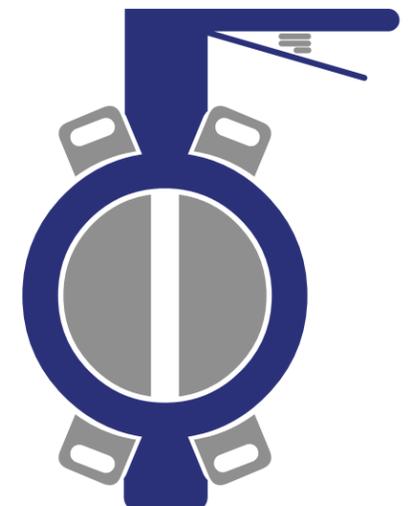
Port : Reduced / Full Port / V Port / Fire Safe Design

Type Of Seats : Soft Seats Nitrile, Neoprene, EPDM, PTFE / FEP / Metal to Metal Seating

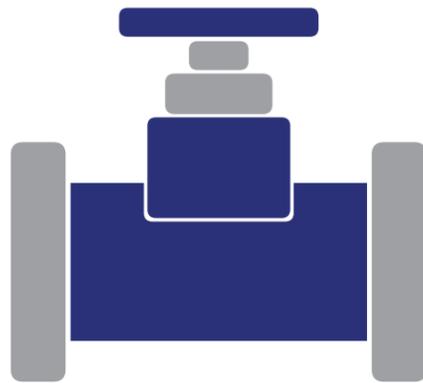
End Connection : Wafer Type, Lug Type, Double Flanged

Size Range : 40mm to 2000mm (Bigger Size on Request)

Operation : Hand Leaver / Gear Operated / Actuator Operated



BUTTERFLY VALVES



GATE VALVES

Manufacturing Standards : BS-5351 / API 600 /API 602 / IS 14846

Pressure Ratings : CL 150/300/600/800/1500/2500 & PN 0.4 / 0.6 / 1.0 / 1.6

Manufacturing Standards : BS-5351 / API 6D

Material Of Construction : End Connection : Cast Iron, SG Iron, Ductile Iron, Cast Steel, Forged Steel, IC CF-8, CF 8M, Flanged End / Screwed End / SW Ends / RTJ Ends

End Connection : Wafer Type, Screwed Ends – BSP / NPT / Flanged

Size Range : 15mm to 1200mm (Bigger Size On Request)

Operation : Hand Lever / Gear Operated / Actuator Operated



GLOBE VALVES

Manufacturing Standards : BS-1873

Pressure Ratings : CL 150/300/600/800/1500/2500 & PN 1, 1.6

Manufacturing Standards : BS-5351

Material Of Construction : Cast Iron, SG Iron, Ductile Iron, Cast Steel, SS304, SS316, Bronze, Super Duplex, Duplex as per requirement

End Connection : Flanged End, Scrd End / SW end / RTJ ends

Size Range : 150mm to 600mm

Operation : Hand Lever / Gear Operated / Actuator Operated

Manufacturing Standards : BS-1873/API 6D/IS 5312 PART 1/API 594

Pressure Ratings : CL 150/300/600/800/1500/2500 PN 1, 1.6

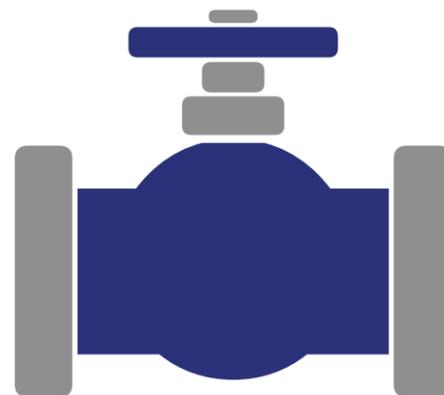
Manufacturing Standards : BS-5351 / API 6D

Material Of Construction : Cast Iron, SG Iron, Ductile Iron, Cast Steel, Bronze, SS304, SS316 or as per requirement

Type Of Valves : Swing Type / Reflux / Wafer / Dual Plate

End Connection : Screwed Ends, Flanged RTJ End, SW End

Size Range : 15mm to 600mm



CHECK VALVES

Design Standards : MSS-SP-81

Pressure Ratings : CL 150/300

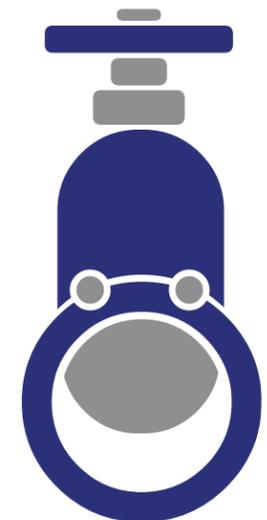
Material : Cast Iron, Ductile Iron, Cast Carbon Steel, Stainless Steel

Type : Metal Seats Resilient Seat, With or Without Deflection Cones

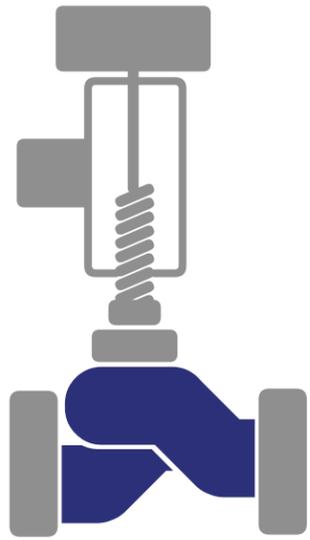
End Connection : Wafer, Two Lug, Lugged, Flanged to ANSI/BS/DIN

Size Range : 50mm to 600mm (Bigger Size On Request)

Operation : Chain Wheel, Gear, Pneumatic or Electric Actuator



KNIFE EDGE GATE VALVES



CONTROL VALVES

Pressure Ratings : CL 150 / 300 / 600

Material : Cast Iron, Cast Steel, Stainless Steel

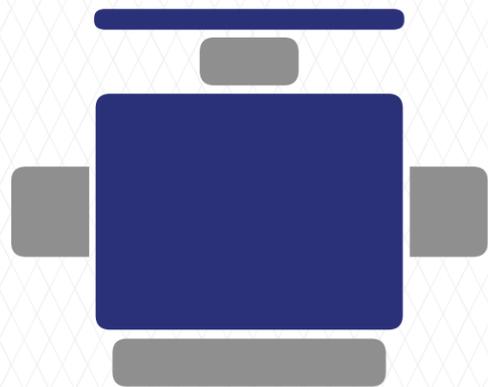
Type : 2 Way /3 Way Type / On Off /Regulating Type

End Connection : Flanged, Screwed End, SW Ends, B / W Ends

Operation : Pneumatic or Electrical Actuator Operated

Accessories : Electro Pneumatic Positioners, Limit Switches, Solenoid Valves , Smart Positioners.

Other Valves



PLUG VALVES



STRAINERS – POT TYPE AND Y TYPE



Our Management

UNIMAC CONTROL SYSTEMS is managed by a team of enthusiastic, ambitious young entrepreneurs.

The company believes in Team Work and each individual is part of team work. The success of the team takes precedence over the success of the individual.

The company respects individuals, regardless of role, to interact with one another co-operatively and objectively in consideration of team goals.

Teamwork is emphasized and valued.



Our Expertise

With the goal of "ZERO DEFECT" quality concept, UNIMAC CONTROL SYSTEMS is the preferred partner of many of leading companies in the industry. We always try to supply superior products and solutions with part to part consistency.

For many industries, we offer unrivalled experience in the field of valve technology.



Technical Support

Did we mention that we are very consistent in after sales service, as well as an excellent technical support...? All of these are the result of rigorous qualifying process that measures our ability to deliver outstanding customer satisfaction.

We value our success as testimony to our ongoing drive to help you compete.

AREAS OF APPLICATION

Use our experience to achieve your goals

Pipeline fittings and valves designed for heat and power stations, chemical and petrochemical enterprises, water-steam pipelines with nominal diameters ranging from 6 to 1400 mm and working pressure of up to 50 MPa and temperature of medium of up to 650°C

ROU Co. – is a modern, high technology Russian enterprise, located in Barnaul, Altai Region.

We specialize in design engineering and manufacture of industrial valves, PRDS, FRPRDS, PRS, DS and pipeline elements for thermal power stations (TPS) pipelines (transitional joints according to OST standard, steam desuperheater units, throttling units etc.)

Cooperation with ROU Co. is a guarantee of quality and confidence in the future!



AREAS OF APPLICATION

Valves and stations for any power facilities



High and medium parameters fittings and valves



Built-in electric actuators and core type electric actuators for TPS valves

Russian and international markets great recognition of a company.



Transitional and reducing T-joints
Nominal diameters (DN) from 10 to 700 mm, maximum working parameters: pressure up to 50 MPa and temperature of medium of up to 650°C.



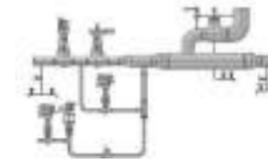
Desuperheating devices



Throttle devices

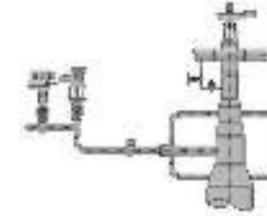


Concentric reducers



Pressurereducing and desuperheating stations

PRDS are used in power circuits for steam pressure reducing and steam desuperheating to preset parameters. PRDS are used for the boiler allurement fire, the reservation of steam bleeding from turbine in circuits of high and medium pressure power block, the steam removal in industrial bleedings, own needs of power stations. PRDS are also used when no other sources of preset parameters steam exist.



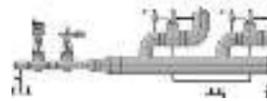
Fast-response pressurereducing and desuperheating stations

FRPRDS are used in power circuits for steam pressure reducing and steam desuperheating to preset parameters. FRPRDS are used for removal of steam which is produced by a boiler or steam generator but not consumed by the turbine under start-up and variable modes of block. It is feed in the steam receiver or the auxiliary collector of power block. This steam is used for the supply reservation of the feed pump driving turbine and the blower, as well for the steam supply of heating up of intermediate superheat pipelines.



Desuperheating stations

DS are used in power circuits and provide only steam desuperheating.



Pressurereducing stations

PRS are used in power circuits and provide only steam pressure reducing.



Ultra-modern testing equipment and testing facilities including unique and designed to the order to ROU Co.



Options

According to client request any station can be equipped with electric actuators, Supervisory Control and Data Acquisition System (SCADA) as well as pipeline elements necessary for equipment installation.

Unique valves and fittings

We manufacture unique industrial valves and fittings, such as: main steam safety valves 1029, throttle type globe valves 950, 993-250, 992-250, 976-250, 992-300, 533-350 and etc.

Company specialists are constantly working in order to expand and improve the nomenclature of the manufacturing range.

NEW TECHNOLOGIES

Fresh Ideas – New Prospects

Specialists of ROU Co. work on improvement and expand the range of manufactured products.



Steam converting valve POY-KP-150-200-10,0-540

Device was presented in 2015

Steam converting valve is designed to be used instead of globe valves and fittings, control valves, noise dumper devices and steam desuperheaters.

Steam converting valve changes discharge, pressure and temperature of a steam. It operates with control valves at water-line and with pressure safety valves.



Advantages (in comparison with PRDS):

Small size, takes up minimum space at pipeline.

Using unload plunger allows to apply cheap and low-powered electric actuators and gain a speed per 10 sec – while using electric actuator, per 2 sec – while using pneumatic actuator.

Low noise level.

Low cost and simplified control system.

High reliability and durability is provided by using long-wearing materials.

High quality intermixing of different mediums, steam and water converting of liquid component on pipeline transition pieces.

Rod connection with a spool with five degrees of freedom keeps reliability in severe operating conditions.

Trim leakproofness at longterm usage is provided by using modern alloying materials and plasma-jet and powder overlay welding.

Contact Us

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