

PR DUCT OVERVIEW



INNOVATIVE VALVE TECHNOLOGY

UV International established in 1995, has been operating and growing steadily ever since. Our head office is located in Chennai and branches in Mumbai, Kolkata and New Delhi. UV International has been bringing a new dimension in the supply of process control and instrumentation equipment to its ever expanding customer base.

Our Product range represents the best and the latest technologies in each area of our activities.

All our products comply with ISO 9001 standards.

We offer more than 6000 models of different valves which cater to various needs and industrial requirements to control the most diverse liquids and gases such as water, air, steam, oils, ammonia, refrigerants, oxygen, liquid nitrogen (-200° C), corrosive fluids and many others. We cater to different industry segments including: automotive, food, pharmaceutical, tobacco, chemical, power, machine building, steel, glass, nuclear, paper and packaging among others.

UV International is a team of talented and well trained professionals that use technology and experience to help you to master all your industrial and automation needs.

With a mix of traditional and innovative instrumentation and process control products, we have the right solution for your company.

UV International can offer tailor-made solutions according to customers request.

Welcome to the world of innovative valve technology.



SOLENOID VALVES FOR GENERAL PURPOSE (AIR, WATER, LIGHT OIL, NON CORROSIVE FLUIDS)



2036

N.Closed
Body: Forged brass. **Seal:** Buna "N", FKM, EPDM. **Diaphragm:** Pressure: 0,3 to 15 bar. **Temperature:** Up to 80°C
Coil: 6 Watts - DIN Connector.
Connections: 3/8", 1/2", 3/4", 1".



1327

N.Closed and N. Open
Body: Brass, cast iron, stainless steel.
Seat: Elastomer or Teflon.
Pressure: 0 to 100 bar.
Temperature: From -200°C to 180°C.
Connection: 1/4".



1335

N.Closed and N. Open
Body: Brass, stainless steel.
Seal Material: Diaphragm according to fluid.
Pressure: Vacuum up to 10 bar.
Temperature: Up to 150°C.
Connections: 3/8", 1/2", 3/4".

SOLENOID VALVES FOR STEAM



1342

N.Closed and N. Open
Body: Brass, stainless steel.
Seat: Elastomer or Teflon.
Pressure: 0,2 to 15 bar.
Temperature: Up to 180°C.
Connections: 3/4" to 3".



1390

N.Closed and N. Open
Body: Brass, stainless steel.
Seat: Elastomer or Teflon.
Pressure: 0,1 to 15 bar.
Temperature: -200°C to 180°C.
Connections: 1/4", 3/8", 1/2".

SOLENOID VALVE FOR FUEL OIL



1312

Body: Bronze, stainless steel.
Seat: Stainless steel.
Pressure: 0 to 21 bar.
Temperature: Up to 180°C.
Connections: 1/2", 3/4", 1".

SOLENOID VALVE FOR VACUUM



1314

N.Closed and N. Open
Body: Bronze, Stainless Steel
Diaphragm: Elastomer or Teflon
Pressure: Vacuum to 15 bar
Temperature: -200°C to 180°C.
Connections: 3/4" to 2".

SOLENOID VALVES FOR AMMONIA



1343

Body: Iron / Flanges: Forged steel.
Diaphragm: Teflon.
Pressure: 0,05 to 17 bar.
Temperature: -40°C to 110°C.
Connections: 1/2" to 1,1/4".



1344

Body: Iron / Flanges: Forged steel.
Seat: Teflon.
Pressure: 0 to 17 bar.
Temperature: -40°C to 110°C.
Connections: 3/4" to 2".

SOLENOID VALVES FOR COMBUSTION



1330

N. Closed and N. Open
Body: Injected aluminum.
Seat: Buna N.
Pressure: 0 to 1 bar.
Temperature: 80°C.
Connections: 1/2" and 3/4", 1".



2030

Body: Injected aluminum.
Seat: Buna N.
Pressure: 0.01 to 2 bar.
Temperature: Up to 80°C.
Connections: 1/2", 2".



1388A

Slow opening: Up to 20 sec with hydraulic regulation.
Body: Injected aluminum.
Seat: Buna N. **Pressure:** 0 to 5 bar.
Temperature: Up to 80°C.
Connections: 3/4" to 3".

SOLENOID VALVES FOR SINGLE AND DOUBLE ACTING CYLINDER



1323

3/2 Ways. Direct Acting.
N. Closed, N. Open, Universal.
Body: Brass, stainless steel. **Seat:** Buna N, FKM, etc. **Pressure:** 0 to 10 bar.
Temperature: Up to 150°C.
Connection: 1/4".



1365

3/2 Ways, Direct acting.
N. Closed, N. Open, Universal. Body: Brass, stainless steel. **Seats:** Buna N, FKM, others.
Pressure: 0 to 10 bar.
Temperature: Up to 150°C.
Connection: 1/4".



1325

3/2 Ways, with internal pilot.
N. Closed, N. Open, Universal. Body: Brass, stainless steel. **Diaphragm:** Buna N, FKM.
Pressure: 0,5 to 10 bar.
Temperature: Up to 150°C.
Connection: 3/8", 1/2", 3/4".

MECHANICAL LATCH SOLENOID VALVE



1351

3/2 Ways with internal & external pilot.
N. Closed, N. Open, bistable. Body: Aluminum, brass, S.S. **Seals:** Buna N, FKM, others.
Pressure: 0,5 to 10 bar. **Temperature:** Up to 150°C. **Connections:** 1/4", 3/8", 1/2".
 Special construction in S.S with a Teflon sleeve



1350

5/2 Ways, with internal & external pilot
Body: Brass, aluminum, S.S. **Seals:** Buna N, FKM, others. **Pressure:** 0,5 to 17 bar.
Temperature: Up to 150°C.
Connections: 1/4", 3/8", 1/2", 3/4", 1".
 Special construction in S.S with a Teflon sleeve.



V 133 - Z 1325

3 Way 2 Positions momentary energization dual coil mechanical latching valves. Momentary energization of the release coil is to hold the valve open and the latching coil is to hold the valve closed. Body: Brass, stainless steel.
Seals: FKM. **Temperature:** Up to 150°C.
Connections: 3/8", 1/2", 3/4", 1".

NAMUR VALVES



1387

3 ways, 2 positions.
Normally Closed.
Direct acting pilot operated.
Body: Brass.
Seat: NAMUR Mount



2095

Compact valve convertible
from 5/2 to 3/2 NC.
NAMUR Mount construction.
Body: Brass.



1375

5 ways, 2 positions, monostable.
pilot operated.
Body: Forged Brass.
Seat: Buna N.
NAMUR Mount

SOL. VALVES FOR CORROSIVE FLUIDS



1360

Body: PVC, Teflon, Acrylic.
Seals and diaphragm: FKM.
Pressure: 0 to 4 bar.
Temperature: Up to 80°C.
Connection: 1/4", 3/8", 1/2".

MANUAL RESET VALVES



1335/69

2/2 way, 3/2 way.
Body: Brass, stainless steel.
Diaphragm: Buna N, FKM, others.
Pressure: Up to 10 bar.
Temperature: Up to 150°C.
Connection: 1/4" - 2".

PNEUMATIC OPERATOR



1372

2/2 Way, with internal pilot.
N. Closed, N. Open. Body: Brass, S.S.
Diaphragm: Buna N, FKM.
Pressure: 1 to 10 bar.
Temperature: Up to 150°C.
Connection: 1/4" - 2".

CNG HIGH PRESSURE VALVES



2094

Normally closed.
Pilot operated.
Brass, stainless steel body.
Piston and Seats: Delrin. NPT threaded
connection 1/4", 3/8", 1/2".
Pressure: Up to 250 bar.

SOLENOID VALVES WITH TIMER



1398

Supply voltage: 12 - 115 VDC.
24 - 240 VAC.
Maximum current: 1A.
Poles: 2 + Ground.
Time ranges: Off 0-99.99 min.
On 0-59 sec

CRYOGENIC VALVES



UC

1314, 1327 and 1390 Series solenoid valves
are specially designed to control cryogenic flow.
Cryogenic fluids include liquid oxygen, liquid argon,
liquid nitrogen and liquid CO₂. Temperature
ranges: Cryogenic fluids - 200°C to 50°C Liquid
CO₂: -60°C to 50°C (-76°F to 122°F).

BACK PRESSURE REGULATING VALVE



2054-2054M

Back-pressure regulating valve.
Bonnet: For multiple pilots.
Body: Iron
Pressure: Up to 17 bar.
Temperature: -60°C to 80°C
Connections: 3/4" to 4" flanged.

PULSE VALVE



1330-70

Pressures up to 10 bar - (150 psi).
 For higher pressures, please contact UV International. Available tensions: 12, 24, 110 and 220 V DC. **Length of pulse:** 0.1-1 sec. **Power consumption during electric pulse:**
Size M coil: 19VA **Size G coil:** 6VA

MICRO VALVE



2026

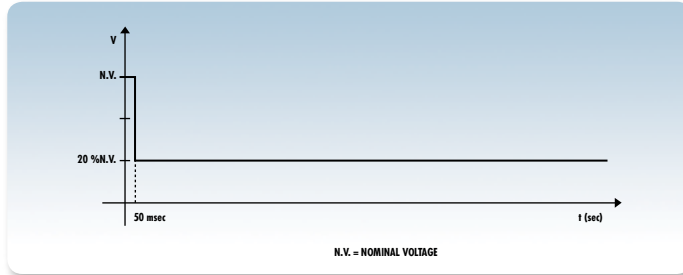
Body: Forged brass
Seats: Buna N, FKM, EPDM
Pressure: 0 to 50 bar
Temperature: Up to 150°C
Coil: 6 Watts - Din Connector
Connection: 1/4"

THERMO ELECTRIC SAFETY VALVE



V171

Injected aluminium body. Seats: Buna N. Interior: brass, stainless steel. BSP or NPT 3/4" connections. BSP or NPT 1/8" pilot connection. Maximum torque: 30 Nm (22 lb.ft) Thermocouple connection: M9 x 1. Maximum torque: 4 Nm(3 lb.ft) No minimum pressure to operate. Opening time: 5 seconds. Cutoff time due to lack of flame: 60 seconds max.



CP

PC is a solid state device arranged in the coil connector of the solenoid valves with DIN connection that is used to control the power of the coils.
 It has two main functions: the first one is to induct a magnetic strength greater than the normal at the opening moment.

The second function is to reduce the power while the coil is energized.
 PC allows the inlet of rated voltage directly to the coil during 50 milliseconds, and after that period it reduces that rated voltage up to 20%, meaning that the coil minimizes the power up to 4%.

COILS



EXPLOSION PROOF COIL

Coil and housing comply with IEC79-18 standards for Class I, Division I, Groups A, B, C and D and Class II, Division I, Group E.
Connection: 1/2" NPT conduit.
 Coil fitted with CMRI approved IIA, IIB, IIC explosion proof junction box.



EN. COILS TO DIN 43650

Coil and housing assembly apt for weather proof and humidity.
Connection: plug-in with PG9 strain-relief or 1/2" NPT conduit.
Standard: IP67. **Optional:** Luminous gasket or connection.



DIN 43650

Coil and housing assembly apt for weather proof and humidity.
Connection: Plug-in with PG9 strain-relief.
Standard: IP65.



EXP. PROOF & WEATHER PROOF HOUSING

Made in Aluminium to comply with NEMA 4, 7 and 9 standards and certified by CITEINTI for Class I, Division I, Groups C and D.

GENERAL PURPOSE SOLENOID VALVES FOR WATER, AIR, LIGHT, OIL, VACUUM



66

Series 66 (2/2 way N.C.)
Body: Brass. **Seal:** NBR, FKM or EPDM.
Pressure: 0-25 bar. **Temperature:** Upto 150°C. **Coil watts:** Inrush 24VA Holding 17VA DC-16W.
Connection: 1/8", 1/4", 3/8", 1/2".



84

Series 84 (2/2 way N.C.)
Body: Brass. **Seal:** NBR, FKM or EPDM.
Pressure: 0-5 bar. **Temperature:** Upto 90°C.
Coil watts: Inrush 430VA Holding 140VA DC-43W.
Connection: 3/8" - 2".



86 / 87

Series 86/87 (2/2 way N.C./NO)
Body: Brass. **Seal:** NBR, FKM or EPDM.
Pressure: 0.3-10 bar. **Temperature:** Upto 150°C. **Coil watts:** Inrush 24VA Holding 11VA DC-16W.
Connection: 3/8" - 3".

SOLENOID VALVE FOR STEAM



SAFETY VALVE

Body: Brass. **Sealing:** Silicon.
Spring: S. S. **Max. Temperature:** 160°C.
 Valve suitable to discharge the steam generated by a boiler with a resistance of 3500W G 3/8", 1/2", 5/8", 3/4".



90

Series 90 (2/2 way N.C.)
Body: Nickel Plated Brass. **Seal:** PTFE.
Pressure: 1-10 bar.
Temperature: Upto 180°C. **Coil watts:** Inrush 38VA Holding 20VA DC-14W.
Connection: 3/8" - 2"



VALVES FOR FREON

68

Series 68 SC (2/2 way N. C.)
Body: Brass. **Seal:** PTFE.
Pressure: 0.1-28 bar.
Temperature: Upto -45 + 125°C. **Coil watts:** Inrush 51VA Holding 30VA DC-20W.
Connection: 3/8" - 1/2"

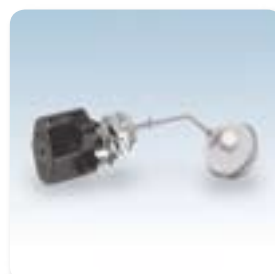
SOLENOID PUMP



E5

Series E5..
Piston and Spring: SS High Corrosion Resistance. **Tube Guide:** Polyamide. **Sealing:** NBR, EPDM. **Siding Guide:** PTFE or EPDM.
Suction Prevalence: 1 Meter. **Voltage:** Only in AC version. **Coil Wattage:** 18W, 32W, 47W.

LEVEL SWITCH



21

Level Regulator Series RL 21
 For steam, water, Non Corrosive media
Body: Brass. **Levers sealing:** Teflon Cones.
Sphere: S. S. 304.
N. C. Contact: 1.5A N.O. **Contact :** 0.9A.
Electrical Life: Approx 50,000Impulses.
Mechanical Life: 1 Million operations.

PRESSURE SWITCH



Rating Pressure : 0.2 - 6 bar.
PN,PC Series: Brass Connection.
PL Series: Poliarilamid Connection.
Max Temp: PC/PN 155°C, PL 90°C.
Life of Electrical Contact: 100000 cycles suitable for Water, Oil, Air, Steam.

STANDARDIZED CYLINDERS



MD8 and CN 10 Series.
Bore sizes and general dimensions according to ISO 6431, ISO 6432 and VDMA 24562. Mounting accessories are available.
Magnetic piston as an option.

FRL UNITS



Compressed air treatment units QBM-0, QB-1, QB-4 series for light service. 1/8" - 1" port sizes.
High performance with low weight and sizes. Metallic bodies, bowl guard. Special for OEM applications.

FRL SYSTEM



Exhaust and shut-off valve (with or without lock), safety start-up valve, pressure switch module, intermediate plate (with or without build-in non-return valve), lockable regulator hand wheel, etc.

NAMUR VALVES



Valves to be applied on Namur standardized surfaces, mainly on rotary actuators. Special versions with low consumption or explosion-proof solenoids.

DIRECTIONAL VALVES



CH and SB series.
Wide range of port sizes from (1/8" to 3/4") and functions (3/2, 5/2 and 5/3).
Pneumatically and electrically operated, manifolds mountings are available.

ISO VALVES



ISO 5599/1

VS series is a wide range of ISO standard valves in sizes 1, 2 and 3. Several operations and functions are available. Electrical pilot according to CNOMO standard. Single or manifold sub-plates are possible to be supplied.

BANK VALVE



2/2, 3/2, 5/2 Bank mounted valves
Common inlet / exhaust.
Compact Design for panels.
Low power consumption.
Individual / common electrical connection.
ASI / Fieldbus options.

PVD - PULSE VALVE



Type: T-PAT 500 series
Size: 3/4", 1", 1 1/2"
Connections: Threading and Coupling
Body Material: Die Cast Aluminium
Diaphragm Material: Neoprene

PVD - ACTUATOR



Type: Single and Double 90 Deg Rotary Actuator. As an accessory solenoid valve, limit switch (mechanical or proximity type) positioner (pneumatic or electropneumatic) can be installed over actuators optionally.

PILOT SOLENOID VALVES



TYPE 25

2/2 way, with Piston seal,
DN13 - D250, NC/NO,
Pressure: 1-40 bar



TYPE 28

2/2 way with Diaphragm seal,
DN15 - DN50,
NC/NO
Pressure: 0.5-16 bar



TYPE 44*

2/2 way with Diaphragm seal
or Piston seal,
DN13, NC/NO, G $\frac{1}{8}$ - G $\frac{1}{2}$
Pressure: 0.5-16 bar



TYPE 50

2/2 way with Piston seal,
DN13-DN50, NC/NO, G $\frac{1}{4}$ - G2
Pressure: 1-40 bar



TYPE 51

2/2 way with Piston seal,
DN13-DN25, NC/NO, G $\frac{1}{4}$ - G1
Pressure: 0.5-40 bar



TYPE 74

3/2 way with Piston seal,
DN11-DN50, G $\frac{1}{4}$ - G2
NC/NO,
Pressure: 2-12 bar

FORCED PILOT OPERATED SOLENOID VALVES



TYPE 27

2/2 way with Diaphragm seal,
DN15-DN200,
NC/NO,
Pressure: 0-16 bar



TYPE 43

2/2 way with Diaphragm seal,
DN13-DN50, NC/NO, G $\frac{1}{4}$ - G2
Pressure: 0 - 16 bar



TYPE 49

2/2 way with Piston seal,
DN13 - DN76,
0 - 10 Bar,
G $\frac{1}{4}$ - G2 $\frac{1}{2}$, G2 $\frac{1}{2}$ - G3.
Pressure: 0 - 25/40 bar, 0 - 10 bar



TYPE G24/T24

2/2 way with Piston seal,
DN15 - DN 100, NC,
Pressure: 0 - 25 bar



TYPE 2/164

2/2 way with Piston seal,
DN13 - DN 100,
NC/NO,
G $\frac{1}{4}$ - G2,
Pressure: 0 - 25 bar



TYPE E24TH/K24/24

2/2 way with Piston seal,
DN15 - DN200, NC/NO,
Pressure: 0 - 16/40 bar

DIRECT ACTING SOLENOID VALVES



TYPE 48

2/2 way with Piston Design,
DN8 - DN 75, NC/NO,
G $\frac{3}{8}$ - G3,
Pressure: 0 - 3 bar



TYPE 23

2/2 way with Piston Design,
DN15 - DN250, NC/NO,
Pressure: 0 - 1 bar



TYPE 52

2/2 way with Poppet Design,
DN1 - DN6, NC/NO,
G $\frac{1}{8}$ - G $\frac{1}{2}$,
Pressure: 0 - 300 bar



TYPE 72

Direct acting 3/2 way valve, Poppet Design,
DN1, DN6, O
Thread connection G $\frac{1}{8}$ - G $\frac{1}{2}$.
NC/NO, Universal,
Pressure: 0 - 90 bar



TYPE 73

3/2 way with Piston Design,
DN6 - DN40, Universal, NC/ NO
G $\frac{1}{4}$ - G2,
Pressure: 0 - 20 bar



TYPE 75

Direct acting 3/2 way valve, Poppet Design.
Thread connection G $\frac{1}{4}$ - 1/2"
DN1 - DN6. NC/NO, Universal,
Pressure: 0 - 100 bar

EXTERNALLY CONTROLLED VALVES



TYPE 61

2/2 way with Diaphragm Seal or Piston Design, DN13 - DN45, G 1/4 - G 2, NC/NO, Pressure: 0-40 bar



TYPE 63

2/2 way with Poppet Design, DN10 - DN76, G 3/8 - G 3, NC/NO, Pressure: 0-40 bar



TYPE 79

3/2 way with Poppet Design, DN15 - DN150, Universal, Pressure: 0 - 16 bar



TYPE 2000

2/2 way Externally controlled valve G 1/2 - G2, Red brass and S. S body
Actuator: Brass, Nickel plated brass and Aluminium
Seat: NBR or PTFE



TYPE 22

2/2 way with Poppet Design, DN15 - DN200, NC/NO, Pressure: 0 - 40 bar



TYPE 78

3/2 way with Poppet Design, DN13 - DN50, G 1/2 - G2, Universal, Pressure: 0-16 bar

HIGH PRESSURE VALVES



TYPE 52

2/2 way with Poppet Design, DN1 - DN6, G 1/8 - G 1/2, NC/NO, Pressure: 0-300 bar



TYPE 2/529

Pilot operated valve, Piston design. DN6 - DN50, G 1/8 - G2, Pressure: 1 - 450 bar



TYPE 2/943

Direct Acting Ball Valve DN 0,6 - DN 2,0 G 1/8 M12 x 1,5, Pressure : 0, 5 - 200 bar



TYPE 1/921

3/2 way valve with poppet design .
G $\frac{1}{4}$ " - G1"
DN10 - DN22,
Pressure: 0-450 bar



TYPE 75

3/2 way valve with Poppet design,
G $\frac{1}{4}$, DN1 - DN0-5,0,
Universal NC/NO,
Pressure: 0 - 100 bar.



TYPE 1/313

3/2 way with Piston design,
DN10 - DN22, G $\frac{1}{4}$ - G1,
Universal,
Pressure: 0- 250 bar.

HIGH TEMPERATURE



TYPE 2/164

2/2 way with Piston seal,
DN13 - DN 100,
NC/NO, G $\frac{1}{4}$ - G2,
Temperature : Upto +300°C
Pressure: 0 -25 bar

MOTORIZED VALVES



TYPE 14

2 way valve and 3 way,
DN 13 - DN 76,
NC/NO,
G $\frac{1}{2}$ " - G3",
Pressure: 0 - 40 bar

SIX FOLD SOLENOID FOR CNG STATIONS



For the fuelling of vehicles with natural gas is a special three fold or six fold block with integrated security device
Pressure: 1 bar - 300 bar



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