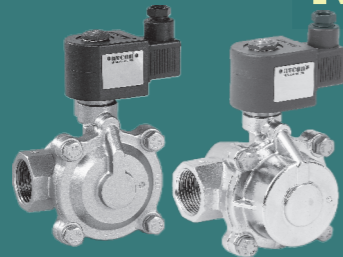




FLUID CONTROL VALVES
MANUFACTURING RANGE



SOLENOID VALVES



BALL VALVES



CONTROL VALVES



BUTTERFLY VALVES



ANGLE SEATED VALVES



GAS PRESSURE REGULATOR



BLOCK VALVES

Pioneer Spirit in Valve Automation

We Welcome and thank you for referring our 'Abridge Catalogue'

"AVCON" is known all over continents, as a manufacturer of 'Quality' products-Solenoid Valves, Ball and Butterfly Valves with Pneumatic and Electric Actuators; Gas Control and Regulation Products. also valves for Pharma & Bio-Tech Industry.

AVCON has walked through several years, gaining valuable experience, offering AVCON equipments in the products manufactured by the OEMs, in all spheres of engineering. AVCON products have gained reputation with Consultants and approvals of Users, OEMs, and others, as Quality products.

Being ISO 9001 DNV certified company, has put AVCON on forefront. Our motto is 'Value for The Money' and 'Superior Product, One Among The Best in The World'.

We are very sure that, there is a product in vast range of AVCON, which will meet your expectation and requirements.

AVCON Product Range Includes:

- Solenoid Valves (Many Non Standard Version available).
- Motorised Controls Valves.
- Pneumatic Control Valves.
- Manual & Pneumatic, Electric Actuated Valves. for Pharma, Bio-Tech & Food Industry.
- Piston Operated Globe Valves.
- Piston Operated Special Valves for Tyre and Tube Machinery Manufacturers.
- Ball Valves with Electric Actuators and Pneumatic Actuators.
- Butterfly Valves with Electric Actuators and Pneumatic Actuators.
- Low Leakage Type Damper with Pneumatic and Electric Actuators.
- High performance Butterfly Valves with Pneumatic and Electric Actuators.
- Gas Regulation and Control Equipments like Ball Valves, Filters, Safety Shut Off Valves, Regulators, Safety Relief Valves, Ratio Regulators, Orifice Plate Assemblies, Pressure Gauges, Pressure Switches, Gas Trains with Gas Flow Meters.

AVCON also offer:

- **BADGER** - Research Control Pneumatic & Motorised Miniature Valves.



avcon is highly motivated team of Technical, Managerial Professionals with strong commitments to excellence in presentation of Automated Valves, which includes : SOLENOID - MOTORISED - PNEUMATICALLY OPERATED VALVES, used in diversified field where automation is needed.

avcon Motto is

"Quality + Technology + Performance."

This ensures "The worth of money you spend in buying Automated Valves." Pioneer spirit at AVCON to design & develop Industrial duty Automated Valves, resulted in presenting most comprehensive complete range of Automated Valves. Recognised everywhere and yet economically priced.



Office & Works Unit -I



Office & Works Unit -III



Office & Works Unit -II



Office & Works Unit -IV

Manufactured by:

AVCON CONTROLS PVT. LTD.

MUMBAI- Plot No. 65, Road No. 13, MIDC Marol Area, Andheri (E), Mumbai - 400 093.

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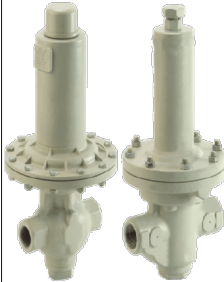

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| SERIES | BV 2290 /2270 | FG | RG | SG/SGN | SHV | SRV |
|-------------|--|---|---|--|--|---|
| TYPE | 2-Way Isolation Ball Valve for Gas. | Gas Filters. | Regulator for Gaseous Media. | 2/2 Way Direct Acting, Solenoid Valves, Normally Closed / Normally Open for Gas & Air Application. | Safety Shut - Off Valve. | Safety Relief Valve for Gas Application. |
| PRODUCTS |  |  |  |  |  |  |
| BODIES | Available in Cast Steel. End connections Screwed BSP(F)/NPT (F), Flanged to ASME B 16.5 Class 150 RF, DIN PN 16. | Available in Aluminium casted. End connections ASME B.16.5 Class 150RF, PN 16 / BSP(F)/NPT. | Available in Aluminium casted. End connections ASME B.16.5 Class 150RF, PN 16 / BSP(F)/NPT. Designs available to suit 1bar, 4 bar, 200 mbar inlet pressure. | Available in Aluminium casted. End connections ANSI B16.5 Class 150RF, PN 16, BSP(F)/NPT. | Available in Aluminium casted. End connections BSP ASA 150RF or Flanged to PN 16. | Available in Aluminium die casted. End connections BSP(F)/NPT. |
| SIZES | 15mm (½") to 150mm (6") | 15mm (½") to 150mm (6") | 15mm (½") to 150mm (6") | 15mm (½") to 100mm (4") | 25mm (1") to 150mm (6") | 25mm (1") |
| TEMPERATURE | Upto 80 °C | -20°C to 80 °C | -20°C to 60 °C | -20°C to 60 °C | -15°C to 60 °C | -20°C to 60 °C |
| FLUIDS | Air/Natural Gas/LPG/Bio-gas/Town Gas/Propan | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan Also available as Slow Opening Fast Closing Valve, Pressure Switch. | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan |

| SERIES | GG/GGB/GGO | SGR | R266A-R267A | HMV | RG 100 / 200 | BBV |
|-------------|--|---|---|--|---|--|
| TYPE | Ratio Control Valves for Gas Application. | Safety Shut - Off Solenoid Valve, Manually Operated, Electrically Trip. | 2/2 Way - NC & NO, Direct Operated With Or Without Bypass With M50 Coil. Also Available With RD-WP67, RD-FLP-IIC + IP67 Metallic Enclosure. | Hydro Motor Valve. | High Pressure Regulators for Air & Gas. | Block & Bleed Valve For Safety of Pressure Gauges. |
| PRODUCTS |  |  |  |  |  |  |
| BODIES | Available in Aluminium casted. End connections BSP(F)/NPT. Max. inlet Pressure 200 mbar. | Available in Aluminium casted. End connections Screwed BSP/NPT (F), & Flanged PN 16/ ASA Class 150RF. | Available in Stainless Steel (CF8) BSP/NPT. | Available in Aluminium or Cast Iron/ GGG40. End connections PN 16/ASA 150RF. | Available in Cast Steel. End connections Screwed BSP(F)/NPT (F). | Available in CF8. End connections ½" BSP (F) / ½" NPT (F). |
| SIZES | 15mm (½") to 50mm (2") | 15mm (½") to 100mm (4") | 10mm 3/8" to 15mm (1/2") | 40mm (1 ½") to 150mm (6") | 15mm (½") to 50mm (2") | 15mm (½") |
| TEMPERATURE | -15°C to 60 °C | -20°C to 60 °C | Max. 120°C | -15°C to 60 °C | -15°C to 80 °C | Upto 80 °C |
| FLUIDS | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan | Air/Natural Gas/LPG/ Bio-gas/ Town Gas/Propan | Air/Gas |

GAS TRAIN

Gas Train for Continues Regulation of Gas Flow to Boilers / Furnaces for Inlet Gas Pressure 1 to 4 Bar, Outlet Pressure 5 to 350mbar.




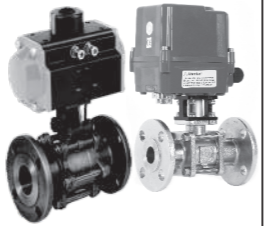
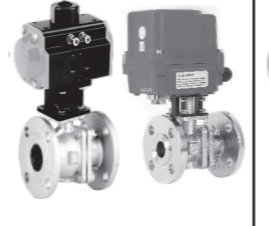




Available in Screwed / Flanged end connections.
15 x 15, 25 x 25 or 25 x 40, 40 x 40 or 40 x 50, 50 x 50 or 50 x 65, 65 x 65 or 65 x 80, 80 x 80 or 80 x 100, 100 x 100 or 100 x 150, 150 x 150 or 150 x 200, 200 x 200 or 200 x 250, 250 x 300.






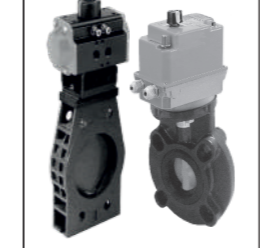





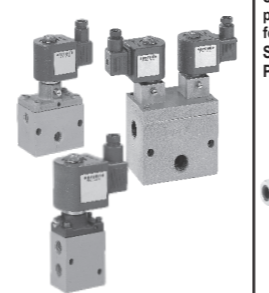




| SERIES | 6612/13/14/15E - 6622/23/24/25/26E | 6616E/6619E | 6812M/6824M- 6844M/6822M | 6816M/6819M | 6412B/6416B | 5812M/5822M/5816M/5819M | Tank Bottom Valves |
|-------------|---|--|---|---|---|--|---|
| TYPE | 2/2-Way Angled Body Valve with Metallic, Pneumatic Piston Actuator. | 3/2-Way Metal Body Mixing or Diverting Valves with Metallic Pneumatic Piston Actuator. | 2/2-Way Angled Metal Body Normally Closed or Normally Open Valve with Plastic & Metallic Pneumatic Piston Actuator. | 3/2-Way Metal Body Mixing or Diverting Valves with Plastic Pneumatic Piston Actuator. | 2/2 and 2/3-Way Pneumatic Piston Operated Normally Closed High Pressure Valves. | 2/2-Way Straight Metal Body Valves Mixing & Diverting with Plastic Pneumatic Piston Actuators. | 2-Way Tank bottom Valve. |
| PRODUCT | | | | | | | |
| BODIES | Available in CF8 / CF8M End Connection BSP / NPT Optional Tri-Clamp, Butt welded, Flanged, Spigot end or socked weld. | Available in CF8/CF8M. Trim in SS(304/316) Teflon seated for On -Off. Bubble tight shut off. End connections BSP(F)/NPT. | Available in CF8 / CF8M End Connection BSP / NPT Optional Tri-Clamp, Butt welded, Flanged, Spigot end or socked weld. | Available in CF8/CF8M. Trim in SS304/316, Teflon seated for On-Off Bubble Tight shut off. End connections BSP(F)/NPT. | Available in CF8.Trim in SS410 Hardened, ground and plated for On -Off application. Seats are Glass filled graphited Teflon. End connection BSP(F)/NPT. | Available in GGG40,WCB, CF8/CF8M. Trim in SS 420/SS 316 for On-Off application. Seat Soft Seated. End ASME connections as per B16.5 Class Class 150 or 300, DIN PN 16. | Available in CF8/CF8M. Trim in SS304/316, Teflon seated for On-Off Application. |
| SIZES | 15mm (1/2") to 100mm (4") | 15mm (1/2") to 50mm (2") | 10mm (3/8") to 100mm (4") | 15mm (1/2") to 50mm (2") | 15mm (1/2") to 50mm (2") | 15mm (1/2") to 150mm (6") | 1/2 to 2 |
| TEMPERATURE | -40°C to 180°C | -40°C to 180°C | 0°C to 155°C | 0°C to 155°C | 0°C to 250°C | Upto 155°C | 0°C to 155°C |
| FLUIDS | Air/Water/Gas/Steam/Oil | Air/Water/Gas/Steam/Oil | Air/Water/Gas/Oil | Air/Gas/Water/Oil/Steam | Air/Water/Steam/Hot Water | Air/Water/Gas/Steam/Oil | Water / Oil |
| ACCESSORIES | 1,3B,3D,3E,5 | 1,3B,3D,3E,5 | 1,3B,3D,3E,5,10 | 1,3B,3D,3E,3F,5,10 | 1,3B | 1,3B,3D,3E,3F,5 | |









| SERIES | 6227M/6227F | 2270M | 4222M | 6827M/6827F/6827M | 6827K | 5612/5622/5616/5619G | T-Block Valve |
|-------------|--|--|--|--|--|--|---|
| TYPE | 2-Way Metal Body Diaphragm Seated Valves with Manual Operation. | Sanitary Type Manual Ball Valve. For CIP Lines, Food & Beverage Pharmaceuticals, Dairy. | Sanitary Type Manual Butterfly Valve. For CIP Lines, Food & Beverage Pharmaceuticals, Dairy. | 2-Way Diaphragm Seated Stainless Steel Metal Body Valves with Pneumatic Plastic Piston Actuator/ Metallic Linear Actuator. | 2-Way PVC Body Diaphragm Seated Valves with Pneumatic Plastic Piston Actuator. | 2/2 way and 3/2 Pneumatic, Straight Body Valve with Cylinder Actuator for on-off Valve Application | T-Block Valves with D-Actuator & Hand Operated for "On Line Sampling & Point of Use Application" |
| PRODUCT | | | | | | | |
| BODIES | Available in CF3M End connection Tri-Clamp, Spigot, Weldable end to ASME BPE OD Based. | SS.304/316/316L as per ASTM A276A/182A, End Connection Tri - Clamp, Spigot, Weldable end to ASME BPE OD Based. | SS.304/316/316L as per ASTM A276A/182A, End Connection Tri - Clamp, Spigot, Weldable end to ASME BPE OD Based. | Available in CF3M end connection Tri-Clamp, Spigot, Weldable end to ASME BPE - OD Based. | Available in PVC, PVDF, PP. End Connection Flanged / Spigot type. | Available in SG Iron IS-1865- /15A. Cast Steel ASTM A216 Gr. WCB, St. St. ASTM A351 CF8 or CF8M for on-off Application. End Connection As per ASME B 16.5 150 Class or 300 RF. | Available in 1.4435/316L Block Material as per EN 10088-3. End Connection Spigot and Tri-Clamp (TC). As Per ASME BPE. |
| SIZES | 10mm (3/8") to 75mm (3") | 1/2" to 4" | 1" to 8" | 10mm (1/4") to 75mm (3") | 15mm (1/2") to 50mm (2") | 15mm (1/2") to 80mm (3") | 15mm (1/2") to 80mm (3") |
| TEMPERATURE | -10°C to 140°C | PTFE upto 180°C | (-)10° to 90°C & Silicon Upto 120°C. | -10°C to 140°C | 0°C to 60°C | Upto 180° | -10°C to 140°C |
| FLUIDS | Food and Pharma | Air/Water/Steam/Slightly | Air/Gas/Liquid | Food and Pharma | Corrosive/Slurry/H.V. Fluid | Air/Water/Gas/Oil/Steam | Pharma and Biotech |
| ACCESSORIES | | | | 1,3B,3D,3E,3F,5,10 | 1,3B,3D,3E,3F,5,10 | 1, 3B | 3B,3D,5,3E,10 |









| SERIES | 3350K015 OR R350K | 3353K | 3351K / R351K / R350B | PLL/PPL | Mechanical Stopper | Linear Valve Positioner | 9350B/9352B/9354B/9358B |
|----------------|---|---|---|---|--|--|--|
| TYPE | 3/2-Way Midget Type Direct Acting Normally Closed Solenoid Valve. | 3-Way Plastic Benjo Type Solenoid Valves. | 3- Way Plastic Namur Solenoid Valve for Spring Return K-Series Plastic Linear Actuator. | Limit Switch/ Proximity Switch Box with Linear Movement. (Weather proof Enclosure WP-65) | Mechanical Stopper / Stroke Limiter. | Linear Valve Positioner Model - 1. EVP 1500 Weather Proof 2. EVP 1600 Flame Proof 3. 1880. | 3/2-Way Midget Type Direct Acting Normally Closed Solenoid Valve. |
| PRODUCTS | | | | | | | |
| SPECIFICATIONS | Available in PA6 (Standard Size 1/4") with BNV seat. | Compact and Reliable Fast Acting Valve with Manual Override as a Standard. Size -1/4" | Valves suitable for Pressure 0 to 6 bar. Temperature -10°C to 50°C Size -1/4" | Available for feedback arrangement with options of Micro Limit Switches/ Micro Proximity Switches. Supply Voltage 12, 24, 48VDC, 24, 110, 230VAC. | Mechanical Stopper for linear plastic Pneumatic Actuator (NC/NO/DA). Available in SS (304/316) with Acrylic transparent protection shield. Stroke limiters for Manual Diaphragm Seated Valves / Block Valve available in SS 304 / 316. | Complete New J-Series Angle Valves with improved flow capacity & travel will be available from 1/2" to 2" with non Namur Pneumatic Actuators, Valve Positioner or Position Indicators. New J-Series Please request for Datasheet. | Available in Brass Forged/ Stainless Steel casted with BNV seat. Size 1/4" BSP /NPT. |



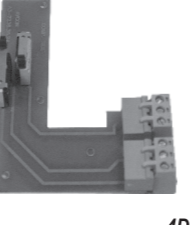





| SERIES | 2360F/2560F | 2370F/2570F | 2390F/ 2590F | 2312R/F - 2512R/F | 2330R/2530R | 2330F/2530F | 4322M(V) |
|--|---|--|--|---|---|--|---|
| TYPE | 2-Way Direct Mount Ball Valve with Pneumatic or Electric Actuator. | 2/2-Way Three Piece Ball Valves with Pneumatic or Electric Actuator for On-Off Application. | 2/2-Way Two piece Ball valves with Pneumatic or Electric Actuator for On-Off Application. | 2/2-Way Tight Shut Off Ball Valve with Pneumatic or Electric Rotary Actuator. (High Pressure) | 3/2-Way Screwed Metal Ball Valves with Pneumatic or Electric Actuator. ('L' & 'T' Port) | 3/2-Way Flanged Metal Body Ball Valves with Pneumatic or Electric Actuator. ('L' & 'T' Port) | Sanitary Type Pneumatic Vertical Actuated Butterfly Valve. |
| PRODUCTS |  |  |  |  |  |  |  |
| BODIES | Available in WCB, CF8/CF8M. End connections Screwed BSP(F). | Available in CF8/CF8M, WCB. Ball in SS 316/ Seats of Teflon/GFT. End connections BSP(F)/ NPT or ASME B.16.5 Class 150 RF / 300 RF. | Available in CF8/CF8M, WCB. Ball in SS 316/Seats of Teflon/GFT. End connections BSP(F)/ NPT or ASME B.16.5 Class 150 RF. | Available in WCB,CF8/CF8M. End connections Screwed BSP/NPT Pressure Max.110 Bar. | Available in CF8/CF8M, WCB. Ball in SS 316/Seats of Teflon/GFT End connection Screwed BSP(F). | Available in CF8/CF8M, WCB. Ball in SS 316/Seats of Teflon/GFT End connection as per ANSI. ASME B.16.5 150 or PN 16. | SS.304/316/316L as per ASTM A 276A/182A Pressure Max. 10 bar. |
| SIZES | 15mm (1/2") to 50mm (2") | 15mm (1/2") to 100mm (4") | 15mm (1/2") to 150mm (6") | 15mm (1/2") to 50mm (2") | 15 mm (1/2") to 65 mm (2 1/2"). | 15 mm (1/2") to 65 mm (2 1/2"). | 1" To 8" |
| TEMPERATURE | Upto 150 °C | -40°C to 180 °C | -40°C to 200 °C | Upto 80 °C | 0°C to 180°C | 0°C to 180°C | (-)10°C to 90°C & Silicon upto 120°C |
| FLUIDS | Air/Water/Gas/Steam/ Oil | Steam/Corrosive /Non Corrosive | Steam/Corrosive /Non Corrosive | Air/Water/Gas/Oil | Corrosive /Non-Corrosive | Corrosive /Non-Corrosive | Air / Gas /Liquid |
| ACCESSORIES For Pneumatic : For Electric : | 1,2A,3A,3C,4A,4B,9C 4D,11 | 1,2A,3A,3C,4A,4B,9C 4D,11 | 1,2A,3A,3C,4A,4B,9C 4D,11 | 1,2A,3A,3C,4A,4B,9C 4D,11 | 1,2A,3A,3C,4A,4B,9C 4D,11 | 1,2A,3A,3C,4A,4B,9C 4D,11 | |










| SERIES | 2333K/2533K/2372K/2572K | 4322B/4522B | 4326B/4526B | 4324A/4524A-4327A/4527A-4328A/4528A | 4524L | 4322K/4522K | 2370M(V) / 2390M(V) |
|--|---|---|--|--|--|--|--|
| TYPE | 2/2 Way /3-Way Three Piece Ball Valve with Pneumatic or Electric Actuator for On-Off Application. | 2-Way Metal Body Wafer Type Butterfly Valves, Rubber Lined Design with Pneumatic or Electric Actuator. | 2-Way Butterfly Valves with Pneumatic or Electric Actuator for On-Off or Control Application. | 2-Way Damper Type Butterfly Valves with Pneumatic or Electric Actuator. | 2-Way Butterfly Valve Type Low Leakage, Swing Through Design with Electric Actuator. | 2-Way Tight Shut Off Plastic Body Butterfly Valve with Pneumatic or Electric Actuator. | Sanitary Type Pneumatic Vertical Actuated Ball Valve. |
| PRODUCTS |  |  |  |  |  |  |  |
| BODIES | Available in PVC, PVDF, PP. End connections Screwed BSP, Spigot & Socket. | Available in CI/WCB/CF8. Disc in CF8/CF8M. Holding between the Flanges as per ASME B 16.5 class 150, Seating material EPDM/Viton/Nitrile/Silicon. | Available in WCB/CF8/CF8M. Disc in SS304/316 .Seats in Teflon. As Per ASME B.16.5 Class 150RF/300RF. | Available in CI/WCB/GGG40/CF8/CF8M. Disc in CF8/CF8M. Seats in Holding between the Flanges as per ASME B 16.5 class 150 or 300 RF. | Available in Cast Iron. End connections BSP, Flanged to ASME B 16.5 Class 150RF. | Available in PVC/PP with EPDM Seals. End Connections ASME B.16.5 Class 150 FF/PN16 | SS.304/316/316L as per ASTM A 276A/182A. Pressure Max.10 bar |
| SIZES | 15mm (1/2") to 50mm (2") | 40mm (1-1/2") to 600mm (24") | 50mm (2") to 300mm (12") | 50mm (2") to 600mm (24") | 40mm (1 1/2") to 200mm (8") | 80 mm (3") to 200mm (8") | 1/2" To 4" |
| TEMPERATURE | Upto 60 °C | 110°C | -20°C to 180°C | - 40°C to 320°C, Upto 400°C, Upto 650°C | Upto 200 °C | - 0°C to 140°C | (-)10°C to 90°C & Silicon upto 120°C |
| FLUIDS | Air/Water/Oil/Corrosive /Non Corrosive | Air/Water/Gas/Oil | Air/Water/Gas/Steam/Oil | Air/Gas | Air/Gas/Hot Air | Air/Water/Gas/Corrosive Fluid | Air/Water/Steam |
| ACCESSORIES For Pneumatic : For Electric : | 1,2A,3A,3C,4A,4B,9C 4D,11 | 1,2A,3A,3C,4A,4B,9C 4D,11 | 1,2A,3A,3C,4A,4B,9C 4D,11 | 1,2A,3A,3C,4A,4B,9C 4D,11 | --- 4D,11 | 1,2A,3A,3C,4A,4B,9C 4D,11 | |







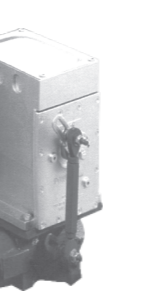
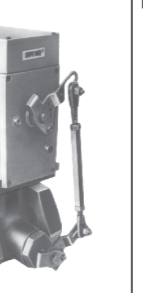
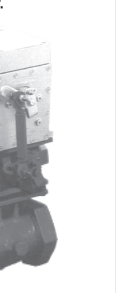
| SERIES | PPR /EPR | 9484E/9384E / 9485E / 9385E | 9360/9470 | SB-300 | SB-202 | MHG | MA 512 AN / BN/532/533 |
|----------------|--|---|---|---|--|--|---|
| TYPE | Rotary Valve Positioner. | 2-Way/3-Way Namur base Solenoid valve with 1/4" Inlet & Outlet. | 3/2 and 4/2-Way Pilot Operated, Poppet Type, Solenoid Valves. | Metallic Body Rotary Switch Box with Limit Switch or Proximity Switches (Flame Proof & Weather proof Enclosure FLP-IIC, WP-66/67), for 90° Turn Actuators/ Valve. | Metallic Body Rotary Switch Box with Limit Switch or Proximity Switches (Weather proof Enclosure WP-66/67), for 90° Turn Actuators/ Valve. | Manual Gear Operator. | Digital Interface for Motorised Valve (Linear, Rotary). |
| PRODUCTS |  |  |  |  |  |  |  |
| SPECIFICATIONS | Used on Pneumatic Actuator for positioning Ball Valve/ Butterfly Valve with respect to incoming pneumatic or electric signals 0.2 to 1bar / 4 to 20mA. Pneumatic to Pneumatic & Analog to Pneumatic. | NAMUR SOLENOID VALVE Reliable fast acting valve for lockable resettable manual override as a standard. Valve type 3-way or 4-way is selectable by using the re-orientations of plastic disc on No.2 port. (refer to IM) | 9360 Series is available in Normally Closed & Normally Open from 1/4" to 1 1/2" size. 9470 series is available in 4/2 position with Single & Double Solenoid Valves available in 1/4" to 1/2". | ROTARY LIMIT SWITCH BOX Micro switches or Proximity Switches are supplied in Flameproof and Weatherproof housing. Suitable for fine adjustment. | ROTARY LIMIT SWITCH BOX Micro switches or Proximity Switches are supplied in Weatherproof housing. Suitable for fine adjustment. | MANUAL GEAR OPERATOR 1. Adaptability to suit either manual or pneumatic operation by means of simple modification. 2. The mounting flange on the gear box is designed to suit ISO 5210 OR DIN 3210 Standard. 3. Easy installation and minimum maintenance 4. Additional features include Handwheel, Chain wheel, Decoupling arrangement, Limit switch & Electric actuators. | Interfacing unit suitable for receiving & Transmitting 4-20 mA/ 0 to 10 volts signal. Applicable for MA-512 AN, MA 532. |


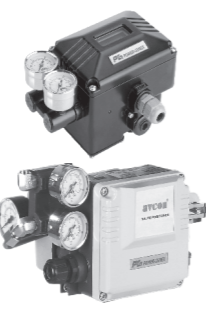


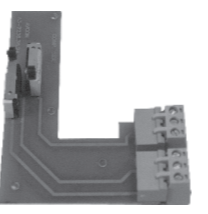

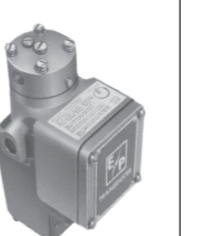


| SERIES | ACT Range Actuator | M42 to M123 | EA-21/50/70 | QM/QR/QMT/VRT | KN 1.8 | KN-05/07/10/25 | K-XXX S/NC-S/NO-D | D-XXX S/NC-S/NO-D |
|--------------------------------------|---|--|---|---|---|---|---|---|
| TYPE | Pneumatic Rotary Actuators for 90° Turn Valves Direct Mount Type. with Female End Pinion. | Pneumatic Linear Actuators for Diaphragm Seated Valves. (M42/M52/M62/M82/M102/M122/M123) | Electric Rotary Actuators (WP-67) for Single Phase. | Electric Rotary Actuators (WP-67) & Exd-FLP-IIC. for Single Phase & Three Phase. | Electric Actuators Type KN-1.8. | Linear Electric Actuators for Control Valves. | Plastic Linear Actuator. | Plastic Linear Actuator. |
| PRODUCTS |  |  |  |  |  |  |  |  |
| BODIES | Extruded Aluminium, Hard anodized / Powder coated. ISO 5211, VDI / VDE - 3845. | Available in SS Investment Casted (CF8/CF8M). | Extruded Aluminium, Hard anodized / Powder coated. ISO 5211 | Available in Aluminium Pressure Die Casted, Engineering Plastic. ISO 5211 | Available in Aluminium Pressure. Die Casted. | Aluminium or Engineering Plastic. | Available in Engineering Plastic. | Available in Engineering Plastic. |
| END COVER | Aluminium Pressure Die Casted. | Available in SS Investment Casted (CF8/CF8M). | Aluminium Pressure Die Casted, Engineering Plastic. | Aluminium castings. | Aluminium Pressure Die Casted. | Aluminium/Engineering Plastic. | Engineering Plastic. | Engineering Plastic. |
| ANGLE OF ROTATION | 90°± 4° | Linear | 90°± /1.5° | 90°(± 1.5°) | 90° | Linear max. 50mm | Linear max. 25mm | Linear max. 25mm |
| OPERATING PRESSURE / ELECTRIC SUPPLY | 4.5 to 8.5 bar | 0 to 6 bar | 110/230 AC 50 Hz, 24 V DC. | 110/230 AC 50 Hz, 24 V DC, 3 Phase 380/440 V AC 50 HZ | 230V AC 50 Hz 110V/24V AC 50 Hz | 230V AC 50 Hz 110V/24V AC 50 Hz | — | — |
| MAX. OPERATING TEMP. | -10°C to 60°C | -10°C to 60°C | 50°C | 50°C | — | -10°C to 60°C | -10°C to 50°C | -10°C to 50°C |
| ACCESSORIES | 1,2A,3A,3C,4A,4B, 9C,12 <i>for TORQUE range refer to AVCON.</i> | 1,3B,3D,3E. | 4D,11,12 | 4D,11,12 | 4D,11 | 4D,11,12 | 3B,3D,3E,3F,10 Available in Spring Return, Normally Closed / Normally Open / Double acting without spring. | 3B,3D,3E,3F,10 Available in Spring Return, Normally Closed / Normally Open / Double acting without spring. |

| SERIES | FRG-7700 | PPR / EPR | 9484E/9384E / 9485E / 9385E | 9350B/9352B/9354B/9358B | 9360/9470 | 3350K015 | 3353K | 3351K |
|----------------|--|--|--|--|---|--|--|--|
| TYPE | Filter Regulator with Gauge. | Valve Positioner. | 2 and 3-Way Namur Base Solenoid Valve with 1/4" Inlet and Outlet. | 3/2-Way Solenoid Valve. | 3/2 and 4/2-Way Pilot Operated, Poppet Type, Solenoid Valves. | 3/2-Way Midget Type Direct Acting Normally Closed Solenoid Valve. | 3-Way Plastic Benjo Type Solenoid Valves | 3-Way Plastic Namur Solenoid Valve for Spring Return K-Series Plastic Linear Actuator. |
| PRODUCTS |  |  |  |  |  |  |  |  |
| SPECIFICATIONS | FILTER REGULATOR GAUGE (FRG): Precision Regulator, bleed type. Regulates pressure from 20bar to 0 to 4bar or 2 to 10 bar. Supplied with or without pressure gauge. | Used on Pneumatic Actuator for positioning Ball Valve/ Butterfly Valve with respect to incoming pneumatic or electric signals 0.2 to 1bar / 4 to 20mA. Pneumatic to Pneumatic & Analog to Pneumatic. | NAMUR SOLENOID VALVE Reliable fast acting valve for Lockable resettable manual override as a standard. Valve type 3-way or 4-way is selectable by using re-orientations of plastic disc on No.2 port. (refer to IM). | Industrial duty, high quality, 3-way Solenoid Valve supplied with General Purpose, Weatherproof or Flameproof enclosure. | 9360 Series is available in Normally Closed & Normally Open from 1/4" to 1 1/2" size. 9470 series is available in 4/2 position with Single & Double Solenoid Valves available in 1/4" to 1/2". | Available in PA6 (Std 1/4") with BN/V seat. | Compact and Reliable, Fast Acting Valve with Manual Override as a Standard. | Valves suitable for Pressure 0 to 6 bar. Temperature -10°C to 50°C |

| SERIES | SB-300 | SB-202 | Extra Limit Switch | PLL/PPL | MHG | Mechanical Stopper | MA 512 AN/BN/532/533 | Brackets |
|----------|--|--|---|---|---|--|---|--|
| TYPE | Metallic Body Rotary Switch Box with Limit Switch or Proximity Switches (Flame Proof & Weather proof Enclosure FLP-IIC, WP-66/67) for 90° Turn Actuators/ Valve. | Metallic Body Rotary Switch Box with Limit Switch or Proximity Switches (Weather proof Enclosure WP-66/67). for 90° Turn Actuators/ Valve. | Extra Limit Switch. | Limit Switch/ Proximity Switch Box with Linear Movement (Weather proof Enclosure WP-65). | Manual Gear Operator. | Mechanical Stopper. | Digital Interface for Motorised Valve (Linear, Rotary). | Brackets & Adapters. |
| PRODUCTS |  |  |  |  |  |  |  |  |
| | ROTARY LIMIT SWITCH BOX Micro switches or Proximity Switches are supplied in Flameproof and Weatherproof housing. Suitable for fine adjustment. | ROTARY LIMIT SWITCH BOX Micro switches or Proximity Switches are supplied in Weatherproof housing. Suitable for fine adjustment. | Extra Pair of Switches Potential free contacts. | Available for feedback arrangement with options of Micro Limit Switches/Micro Proximity Switches. Supply Voltage 12,24,48 VDC 24,110,230 VAC. | MANUAL GEAR OPERATOR 1. Adaptability to suit either manual or motorised operation by means of simple modification. 2. The mounting flange on the gear box is designed to suit ISO 5211 or DIN 3210 Standard. | Mechanical Stopper for plastic linear Pneumatic Actuator (NC/NO/DA). Available in SS (304/316) with Acrylic Transparent Protection shield. | Interfacing unit suitable for receiving & Transmitting 4-20 mA/ 0 to 10 volts signal. Applicable for MA-512 AN, MA 532. | Brackets with Adapter for coupling Actuator & Valve "ISO" mountings F4 to F12. Available in WCB,CF8(S4) (CS) CF8M (SS316). |

| SERIES | PV-5112A/B-5122A/B | PV-5116A/B-5119A/B | PV-5112A/WCBF-5122A/WCBF | PV-5116A/WCBF-5119A/WCBF | MV-5512A/B | MV-5516A/B | MV-5512A/WCBF | MV-5516A/WCBF | PV-5117B-NC/NO |
|-------------|--|---|---|--|---|---|--|--|---|
| TYPE | 2/2-Way Pneumatic Control Valves with Multi Spring Diaphragm Actuator, Normally Open or Normally closed. | 2/3-Way Pneumatic Control Valves with Multi Spring Diaphragm Actuator for Mixing or Diverting Fluid Application. | 2/2-Way Pneumatic Control Valves with Multi Spring Diaphragm Actuator, Normally Closed Design with Finned Bonnet. | 2/3-Way Pneumatic Control Valves with Multi Spring Diaphragm Actuator for Mixing or Diverting Fluid Application with Finned Bonnet. | 2/2-Way Motorised Control Valves with Electric Actuator. | 2/3-Way Motorised Control Valves with Electric Actuator for Mixing or Diverting Fluid Application. | 2/2-Way Motorised Control Valves with Electric Actuator, with Finned Bonnet. | 2/3-Way Motorised Control Valves with Electric Actuator for Mixing or Diverting Fluid Application, with Finned Bonnet. | 2/2-Way Pneumatic Operated Diaphragm Seated Valves with Multi Spring Diaphragm Actuator. |
| PRODUCTS |  |  |  |  |  |  |  |  |  |
| BODIES | Available in GGG40,WCB, CF8/CF8M. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal or Soft Seats. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16. | Available in GGG40, WCB, CF8/CF8M. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal or Soft Seats. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16. | Available in GGG40, WCB. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16. | Available in GGG40,WCB. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16. | Available in GGG40, WCB, CF8/CF8M. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal or Soft Seats. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16. | Available in GGG40, WCB, CF8/CF8M. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal or Soft Seats. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16. | Available in GGG40,WCB. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16. | Available in GGG40,WCB. Trim in SS420/316 for On-Off or control application. Seat Metal to Metal. End connections as per ASME B16.5 Class 150 or 300, DIN PN 16. | Available in CI / WCB with Lined & Hard Rubber for On-Off or Control application, with rubber/PTFE Diaphragm. End connections as per ASME B16.5 class 150 or BS, DIN PN 16. |
| SIZES | 15mm (1/2") to 150mm (6") | 20mm (3/4") to 150mm (6") | 15mm (1/2") to 150mm (6") | 20mm (3/4") to 150mm (6") | 15mm (1/2") to 150mm (6") | 20mm (3/4") to 150mm (6") | 15mm (1/2") to 150mm (6") | 20mm (3/4") to 150mm (6") | 15mm (1/2") to 150mm (6") |
| TEMPERATURE | Upto 200°C | Upto 200°C | Upto 420°C | Upto 420°C | Upto 220°C | Upto 220°C | Upto 420°C | Upto 420°C | Upto 130°C |
| FLUIDS | Air/Water/Gas/Oil/Steam | Air/Water/Gas/Oil/Steam | Hot Thermic Fluid/Hot water/ Super Heated Steam | Hot Thermic Fluid/Hot water/ Super Heated Steam | Air/Water/Gas/Oil/Steam | Air/Water/Gas/Oil/Steam | Hot Thermic Fluid/Hot water/ Super Hot Steam | Hot Thermic Fluid/Hot water/ Super Hot Steam | Corrosive/Non Corrosive |
| ACCESSORIES | 1,2B,3B,4C,6,7,8,9A | 1,2B,3B,4C,6,7,8,9A, | 1,2B,3B,4C,6,7,8,9A, | 1,2B,3B,4C,6,7,8,9A, | 4D,11 | 4D,11 | 4D,11 | 4D,11 | 1,2B,3B,4C,6,7,8,9A |

| SERIES | MV-5517B | IBR 5112/5122AXX1 | 5141A-5142A / 5541A | 7912/7922/7916/7919 A & B | 7912/7922AWCBF | 7916/7919AWCBF | KMG-100 | KMB-300 | COMB -100-300 |
|-------------|---|--|--|---|---|---|---|---|---|
| TYPE | 2/2-Way Motorised Diaphragm Seated Valves. | 2-way pneumatic on-off Screwed end valves with Multi spring Diaphragm Actuator (IBR). | 2-way pneumatic on-off valves with Multi spring Diaphragm Actuator. | 2-Way and 3-Way Pneumatic on-off Valves with Multispring Diaphragm Actuator. (valve with Bellow seal) For Thermic Application. | 2/2 way Finned Bonnet Control Valves, For On-Off or Control & Thermic Application.(Valve with bellow seal). | 3/2 way Finned Bonnet Control Valves, Mixing or Diverting Application. | 2/2-Way Motorised Globe Valves for Fuel Oil & General Application. | Motorised Butterfly Valves Low Leakage Type with KN 1.7 Actuator. | Combination Unit Consisting Of Globe Valves Type(MG) & Butterfly Valve(MB) with Electric Actuator. |
| PRODUCTS |  |  |  |  |  |  |  |  |  |
| BODIES | Available in WCB / CI for On-Off or control application with rubber Diaphragm. End connections as per ASME B16.5 class 150 or BS. | Available in WCB/CF8/CF8M Trim in SS 304/316/420 for on off control application. Seat Metal to Metal. End Connections Screwed BSP/BSP/ NPT(F). | Available in WCB/CF8/CF8M, Trim in SS304/316/420 for on-off or Control Application, Seat Metal to Metal. End Connection as per ASME B 16.5 Class 150 or 300 RF or DIN PN 16. | Available in WCB (DIN 1.0619 GS-C25), SG Iron - IS 1865 Grade SG 400/316. End Connection as per ASME B 16.5 150 Class or 300 RF, DIN PN-16. | Available in WCB. Trim in SS304/316 for On-Off or Control application. Seat Metal to Metal. End connections as per ASME B16.5 class 150 or 300 RF or DIN PN 16. | Available in WCB. Trim in SS304/316 for On-Off application. Seat-Metal to Metal or Soft Seats. End connection as per ASME B 16.5 class 150 or 300 RF. | Available in GM. Trim in SS304/316 for On-Off or Control application. Seat-Metal to Metal. End connection BSP(F). | Available in Cast Iron, Butterfly disc in Brass/ Stainless steel, for On-Off or Control application. End connection BSP(F)/Flanged to ASME B 16.5 class 150 RF. | Available in CI/GM.Trim in SS304/316 for On-Off or control application. Seat-Metal to Metal. End connection as per ASME B 16.5 class 150 and BSP(F) |
| SIZES | 15mm (1/2") to 150mm (6") | 15mm (1/2") to 25mm (1") | 15mm (1/2") to 100mm (4") | 15mm (1/2") to 50mm (2") | 15mm (1/2") to 50mm (2") | 20mm (3/4") to 50mm (2") | 15mm (1/2"), 20mm (3/4"), 25mm (1"). | Air Line BSP (1") ANSI CI 150 35mm (1 1/2") to 100mm (4"). 50mm (2") to 300mm (12") | Fuel Line 1mm (1/8") to 25mm (1"). Air Line 35mm (1 1/2") to 150mm (6") |
| TEMPERATURE | Upto 130°C | - 40°C to 200°C | Upto 420°C | -20°C to +80°C | Upto 420°C | Upto 420°C | 120°C | 0°C to 120°C | GL- 120°C, BF- 80°C |
| FLUIDS | Corrosive/Non Corrosive | Air/Water/Oil/Steam | Hot Thermic Fluid/Hot water/ Super Hot Steam | Air/Water/Gas/Oil/Steam | Hot Thermic Fluid/Hot water/ Super Heated Steam | Hot Thermic Fluid/Hot water/ Super Heated Steam | Air/Gas/Oil | Oil/Gas | Air/Oil/Gas/Low Pr. Air |
| ACCESSORIES | 4D,11 | 1,2B,3B,4C,6,7,8,9A | 1,2B,3B,4C,6,7,8,9A | 1,2B,3B,4C,6,7,8,9A, | 4D,11 | 1,2B,3B,4C,6,7,8,9A | 4D,11 | 4D,11 | 4D,11 |

| SERIES | FRG-7700 | PPL/EPL | Solenoid Valve(SVG/SVF) | Limit Switches (L1 or L2) | Extra Limit Switch | ITP | PTR | ALR | TMW |
|----------------|---|---|--|---|---|---|--|--|--|
| TYPE | Filter Regulator with Gauge. | Linear Valve Positioner. | 3/2 Solenoid Valve. | Single or Pair of Limit Switches. | Extra Limit Switch. | 1 To P Converter. | Valve Position Transmitter. | Air Lock Relay. | Top Mounted Hand Wheel |
| PRODUCTS |  |  |  |  |  |  |  |  |  |
| SPECIFICATIONS | FILTER REGULATOR GAUGE (FRG) Precision Regulator, bleed type. Regulates pressure from 20bar to 0 to 4bar or 2 to 10 bar. Supplied with or without pressure gauge. | Used on Control Valve with respect to incoming pneumatic or electric signals 0.2 to 1bar / 4 to 20mA. Pneumatic to Pneumatic & Analog to Pneumatic. | Industrial duty, high quality, 3-way Solenoid Valve supplied with General Purpose, Weatherproof or Flameproof enclosure. | Limit Switches (L1 or L2) Heavy Duty limit switches used when supplied with L1 (1-No) indicated "Valves open position" when supplied with L2(2-Nos) indicated "Valve open and close position. | Extra Pair of Switches Potential free contacts. | 1 To P Converter Takes signal from controller either 4 to 20 mA DC(standard) or 0 to 20 mA (against special order) and converts the signal to pneumatic signal of 0.2 to 1 Kg/cm ² . | Valve Position Transmitter Gets feed back from stem position, converts into 4 to 20 mA electric or 0.2 to 1 Kg/cm ² pneumatic signal. | Air Lock Relay Used as an instrument to lock the valve in its previous position, on failure of supply pressure or signal pressure. | Top Mounted Hand Wheel Available for Normally Closed / Normally Open Valves using normal actuator. Sizes upto 150mm of the valves. |

| SERIES | R111A/R111D | R112A/R112D | R113A | R123B | R124B | R484E-R384E & R485E-R385E | R625B |
|-----------------|--|---|--|---|--|---|--|
| TYPE | 2/2-Way NC, Internal Pilot Operated, Without Manual Override, Solenoid Valves. | 2/2-Way NC, Internal Pilot Operated, With Manual Override, Solenoid Valves. | 2/2-Way NO, Internal Pilot Operated, Without Manual Override, Solenoid Valves. | 2/2-Way NC Semi-lift, Without Manual Override, Diaphragm Type, Solenoid Valves. | 2/2-Way NC Semi-lift, With Manual Override, Diaphragm Type, Solenoid Valves. | 5/2, 3/2 Way- Pilot Operated, Namur Mounting Single Solenoid Valve. | 2/2 Way NC Semi Lift Type, Manual Reset Type Solenoid Valve. |
| FLOW DIAGRAM | | | | | | | |
| PRODUCTS | | | | | | | |
| FLOW DIAGRAM | | | | | | | |
| BODIES | Available in CF8/CF8M casted with BN/V Seats. | Available in CF8/CF8M casted with BN/V Seats. | Available in CF8/CF8M casted with BN/V Seats. | Available in CF8/CF8M casted with BN/V Seats. | Available in CF8/CF8M casted with BN/V Seats. | Available in Aluminium HE30 Hard Anodized & BN Seats. | Available in CF8 / CF8M with BN / V Seats. |
| SIZES | 10mm (3/8") to 50mm (2") BSP(F) / NPT | 10mm (3/8") to 50mm (2") BSP(F) / NPT | 10mm (3/8") to 50mm (2") BSP(F) / NPT | 10mm (3/8") to 50mm (2") BSP(F) / NPT | 10mm (3/8") to 50mm (2") BSP(F) / NPT | 6mm (1/4") | 15mm (1/2") to 50mm (2") BSP(F) / NPT |
| TEMPERATURE | -5°C to 150°C | -5°C to 80°C | -5°C to 80°C | -5°C to 120°C | -5°C to 120°C | -5°C to 80°C | -5°C to 80°C |
| FLUIDS | Air / Gas/ Water / Light Oil | Air / Gas/ Water / Light Oil | Air / Gas/ Water / Light Oil | Air / Inert Gas/ Water / Light Oil | Air / Inert Gas/ Water / Light Oil | Air / Gas | Air / Gas |
| COIL INSULATION | Class 'H' | Class 'H' | Class 'H' | Class 'H' | Class 'H' | Class 'H' | Class 'H' |
| VOLTAGE | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. |
| PRESSURE | 0.3 to 12 bar & 1 to 20 bar | 0.3 to 12 bar & 5 to 20 bar | 0.3 to 12 bar | 0.3 to 6 bar | 0 to 6 bar | 2 to 10 bar | 0 to 1.5 bar |

Industry We Serve



| SERIES | R125B / R126B | R150A / R150B | R215E / R217E | R411E & R412E / R431E & R432E / R461E-R462E-R463E & R465E-R466E-R467E | R487E | R381D/R389E | |
|-----------------|--|--|--|---|---|---|--|
| TYPE | 2/2-Way NO Semi-lift type Without Manual Override, & With Manual Override Solenoid Valves. | 2/2-Way NC, Internal / External Pilot Operated, Solenoid Valves. | 2/2- Way NC Semi Lift Type, Pilot Operated, Solenoid Valves. | 4-Way,5-Port,2-Position, Single Solenoid & Double Solenoids, Pilot Operated Poppet Type Valves. | 4-Way,5-Port,2-Position, Single Solenoid & Double Solenoid, Pilot Operated Spool Type Valves. | 5/2 Way, Namur Based Pilot Operated, Namur Mounting Double Solenoid Valves with M22-SQ Coils. | 3-Way Manifold Mounted, Solenoid Valves. |
| FLOW DIAGRAM | | | | | | | |
| PRODUCTS | | | | | | | |
| FLOW DIAGRAM | | | | | | | |
| BODIES | Available in CF8/CF8M casted with BN/V Seats. | Available in Aluminium Die casted, upto 2" & above sizes in Aluminium casting with HYT / BN Seats. | Available in Aluminium upto 2" & above sizes in SGI casting with BN / V Seats. | Available in Aluminium LM-24 Diecast with BN Seats. | Available in Aluminium HE30 Hard Anodized & BN Seats. | Available in Aluminium HE30 Hard Anodized & BN Seats. | Available in Mazak Die cast with BN Seat. |
| SIZES | 10mm (3/8") to 50mm (2") BSP(F) / NPT | 20mm (3/4") to 75 mm (3") BSP(F) | 15mm (1/2") to 100 mm (4") AI-SGI | 7mm (1/4") to 15mm (1/2") BSP(F) / NPT | 6mm (1/4") to 15mm (1/2") HE30 / BN | 6mm (1/4") | 1.5mm (1/4") Outlet BSP(F) |
| TEMPERATURE | -5°C to 80°C | Up to 120°C | Up to 80°C | -5°C to 80°C | -5°C to 80°C | -5°C to 65°C | -5°C to 80°C |
| FLUIDS | Air / Inert Gas/ Water / Light Oil | Air / Gas | Air / Gas | Air / Gas | Air / Gas | Air / Gas | Air / Gas |
| COIL INSULATION | Class 'H' | Class 'H' | Class 'H' | Class 'H' | Class 'H' | Class 'H' | Class 'H' |
| VOLTAGE | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. |
| PRESSURE | 0 to 6 bar | 0.3 to 8.5 bar | 0 to 3.5 bar | 2 to 10 bar | 2 to 10 bar | 2 to 10 bar | 0 to 10 bar |



| SERIES | R321E & R322E / R331E & R332E | R350B | R351K | R370E/R470E/R472E | R356B / R358B | R482E | R389E |
|-----------------|---|--|--|--|--|--|--|
| TYPE | 3/2 Way- Pilot Operated, Poppet Type, Solenoid Valve. | 3/2 Way- NC Direct Acting, Namur Mounting Solenoid Valve. | 3/2 Way- NC Direct Acting, Namur Based, Spring Return Solenoid Valve | 3/2 & 4/2 Way Namur based Poppet Type Solenoid Valve | 3/2 Way Midget Type, Direct Acting Solenoid Valve. | 4 Way Manifold Mounted Solenoid Valves. | 3 Way manifold mounted Redundant Solenoid Valves for extreme safety application. |
| FLOW DIAGRAM | | | | | | | |
| PRODUCTS | | | | | | | |
| FLOW DIAGRAM | | | | | | | |
| BODIES | Available in Aluminium LM-24 Diecast & BN / V Seats. | Available in Aluminium /CF8M BSP / NPT Buna Nitrile Seats. | Available in Pa6 30% Glass Filled & BN / V Seats. | Available in CF8/CF8M casted 1/4" with BN/V Seats. | Available in Brass forged 1/4". | Available in Extruded Aluminium HE-30 with BN Seat. | Available in Aluminium Bar Stock HE-30 with BN / Viton Seat. |
| SIZES | 7mm (1/4") to 15mm (1/2") BSP(F) / NPT | 2mm (1/4") | 2.5mm (1/4") Buna Nitrile / Viton. | 6mm (1/4") | 6mm (1/4") | 6mm (1/4") Outlet BSP(F) & NPT | 15mm (1/2") Outlet BSP(F) & NPT |
| TEMPERATURE | -5°C to 80°C | -5°C to 140°C | -5°C to 80°C | Up to 80°C | Up to 80°C | -5°C to 80°C | -5°C to 80°C |
| FLUIDS | Air / Gas | Air / Gas | Air / Gas | Air | Air | Air / Gas | Air / Gas |
| COIL INSULATION | Class 'H' | Class 'H' | Class 'H' | Class 'H' | Class 'H' | Class 'H' | Class 'H' |
| VOLTAGE | 220/230/240/110/48/24V 50/60Hz AC & 220/100/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/100/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/100/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/110/48/24V 50/60Hz AC & 220/110/24 V DC. | 220/230/240/120/110/48/24V 50/60Hz AC & 220/110/24 V DC. |
| PRESSURE | 1.5 to 12 bar | 0 to 7 bar | 0 to 8 bar | 2 to 10 bar | 0 to 8 bar | 0 to 12 bar | 0 to 10 bar |