GENERAL PRODUCT CATALOGUE

- SOLENOID VALVES
- PULSE VALVES
- PNEUMATIC ACTUATORS
- ELECTRIC ACTUATORS
- GLOBE CONTROL VALVES
- PINCH VALVES
- PISTON VALVES
- MEASUREMENT CONTROL

www.smstork.com
SMS TORK has been producing industrial control equipment with a registered TORK trademark since 1985.

In addition to manufacturing, it provides process automation system design, project planning, installation, implementation services.

The company represents leading expert companies such as Tecsis, Tecfluid, Honsberg, GHM, Kytola, Aflowt, ATMI, Beck, Bellofram in the measurement control fields.
WE KEEP THE PULSE OF THE INDUSTRY WITH OUR WIDE RANGE OF PRODUCTS IN 87 COUNTRIES.

**Industrial Control Valves:**
- Solenoid Valves
- Actuators
- Pulse Valves
- Pneumatic Piston Valves
- Pneumatic Actuated Ball Valves
- Pneumatic Actuated Butterfly Valves
- Electric Actuated Ball Valves
- Electric Actuated Butterfly Valves
- Plug Valves
- Linear Globe Process Valves
- Pinch Valves
- ATEX certified Products
- SIL certified Products
- API certified Products
- CEA and EAC certified Products
- Accessories

**Measurement Control Group:**
- Flow Switch
- Flow Meter
- Level Transmitter
- Pressure Transmitter
- PH Meters
- Load Cells
- Analysis Devices
- Temperature Transmitters
- Humidity Transmitter
- Convertors
- Pneumatic-Hydraulic Automatic Panels
- System Installation
- Mechanical Assembly Software
INDUSTRY SECTOR WE SERVE

- CEMENT, CONCRETE, LIME
- IRON AND STEEL
- PETRO CHEMICAL
- NATURAL GAS LPG
- SOIL and CERAMIC
- TREATMENT
- FILLING SYSTEMS
- GASOLINE and LNG PUMPS
- ENERGY
- SMART HOME
- PETROL and GAS
- CHEMICAL
- GRINDER
- AUTOMOTIVE
- PACKING
- POOL KEEPERS
- DYEING INDUSTRY
- PHARMA HOSPITAL and HEALTH
- PLASTIC
- ON VEHICLE MATERIAL
- COMPRESSOR
- MACHINE MANUFACTURER
- HEATING AND COOLING
- FILTER and DUST COLLECTION
- SHIP BUILDING
- PAPER - PRINTING
- COOLING SYSTEMS
- TEXTILE
- SUGAR
- NUTRITION
- IRRIGATION SYSTEMS
- FOOD INDUSTRY
S10 SERIES GENERAL PURPOSE SOLENOID VALVES
(air, water, gas applications)

GENERAL FEATURES

SERIES S10 (Air, water, gas application)
CONNECTION SIZE 1/8" ... 3" - DN80 ... DN200
BODY MATERIAL Brass (Core Tube, Plunger: Stainless Steel)
DIAPHRAGM MATERIAL NBR (On request EPDM and VITON)
WORKING PRESSURE 0 ... 16 bar / 0.5 ... 16 bar / 0.5 ... 40 bar
WORKING TEMPERATURE -10°C ... 80°C
CONNECTION BSP (NPT on request), Flanged (DN80...DN200)
POSITION Normally Closed (N.C.) / Normally Open (N.O.)
COIL VOLTAGE 220V, 110V, 24V, 12V, AC/DC
PROTECTION CLASS IP 65, IP 68, Ex-proof Coil

SW10 SERIES (THE SOLENOID VALVE IS PTFE COATED FOR THE AGGRESSIVE ENVIRONMENT WITH IP68 COIL WHICH CAN WORK UNDERWATER)

GENERAL FEATURES

SERIES SW10 (Air, water, gas applications)
CONNECTION SIZE 1/8" ... 3" - DN80 ... DN200
BODY MATERIAL PTFE coated brass (Core Tube, Plunger: PTFE coated stainless steel)
DIAPHRAGM MATERIAL NBR (EPDM and VITON on request)
WORKING PRESSURE 0 ... 16 bar / 0.5 ... 16 bar / 0.5 ... 40 bar
WORKING TEMPERATURE -10°C ... 80°C
CONNECTION BSP (NPT on request), Flanged (DN80...DN200)
POSITION Normally Closed (N.C.) / Normally Open (N.O.)
COIL VOLTAGE 220V, 110V, 24VAC-DC, 12VAC-DC
PROTECTION CLASS IP 68

IP68 coil is workable up to 72 hours and up to 10 meters underwater.
**S20 SERIES STEAM SOLENOID VALVES**

**APPLICATIONS**

- STEAM
- HOT WATER

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>S20 (Steam and hot water applications)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8&quot;... 2&quot;</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Brass (Core tube, plunger: Stainless Steel)</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>VITON TEFON</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>0 ... 5 bar / 0.5 ... 5 bar (1 1/4&quot;-2&quot; 3 Bar)</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>160˚C</td>
</tr>
<tr>
<td>CONNECTION</td>
<td>BSP (NPT on request)</td>
</tr>
<tr>
<td>POSITION</td>
<td>Normally Closed (N.C.) / Normally Open</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 110V, 24V, 12V, AC/DC</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>IP 65, IP 68, Ex-proof Coil</td>
</tr>
</tbody>
</table>

**S30 SERIES VACUUM SOLENOID VALVES**

**APPLICATIONS**

- VACUUM
- ZERO DIFFERENTIAL PRESSURE

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>S30 (Air, water, gas applications)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8&quot;... 2&quot;</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Brass (Core tube, plunger: Stainless Steel)</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>NBR</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>-1 ... 9 bar</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-10˚C ... 80˚C</td>
</tr>
<tr>
<td>CONNECTION</td>
<td>BSP (NPT on request)</td>
</tr>
<tr>
<td>POSITION</td>
<td>Normally Closed (N.C.)</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 24V, 12V, AC/DC</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>IP 65, IP 68, Ex-proof Coil</td>
</tr>
</tbody>
</table>
**S40 SERIES FUEL OIL SERIES**

**APPLICATIONS**

![Fuel-Oil]

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>S40 (Fuel Oil, gas, boiler, diesel and hydraulic oil applications)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8&quot; ... 2&quot;</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Brass (Core tube, plunger: Stainless Steel)</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>VITON</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>0-100bar / 0.5-16 bar / 0.5-40 bar</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-10˚C ... 160˚C</td>
</tr>
<tr>
<td>CONNECTION</td>
<td>BSP (NPT on request)</td>
</tr>
<tr>
<td>POSITION</td>
<td>Normally Closed (N.C.) / Normally Open (N.O.)</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 110V, 24V, 12V AC/DC</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>IP 65, IP 68, Ex-proof Exproof Coils</td>
</tr>
</tbody>
</table>

**S50 SERIES COMPRESSOR SOLENOID VALVES**

**S81 DRAIN SOLENOID VALVES**

**APPLICATIONS**

![Oily Air] ![Compressor]

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>S50 (Compressed air applications) S81 (to drain the water automatically from the compressed tanks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8&quot;, 1&quot;</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Brass (Core tube, plunger: Stainless Steel)</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>VITON</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>0 ... 100 bar / 0.5...16 bar / 0.5...40 bar</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-10˚C ... 160˚C</td>
</tr>
<tr>
<td>CONNECTION</td>
<td>BSP (NPT on request)</td>
</tr>
<tr>
<td>POSITION</td>
<td>Normally Closed (N.C.) / Normally Open (N.O.)</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 110V, 24V, 12V AC/DC</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>IP 65, IP 68, Ex-proof Exproof Coils</td>
</tr>
</tbody>
</table>
### S60 SERIES STAINLESS STEEL SERIES

**APPLICATIONS**
- Chemicals
- Air
- Water
- Gas
- Aggressive Fluids

**GENERAL FEATURES**
- **SERIES**: S60 (Corrosive fluids, water, oil, acid)
- **CONNECTION SIZE**: 1/8" ... 2"
- **BODY MATERIAL**: AISI 316
- **WORKING PRESSURE**: 0 ... 100 bar
- **DIAPHRAGM MATERIAL**: NBR (VITON, EPDM, PTFE on request)
- **CONNECTION**: BSP (NPT on request)
- **POSITION**: Normally Closed (N.C.) / Normally Open
- **COIL VOLTAGE**: 230V AC, 110V, 24V, 12V AC/DC
- **PROTECTION CLASS**: IP 65, IP 68, Ex-proof Coil

### S61 AND S62 SERIES COOLING SOLENOID VALVES

**APPLICATIONS**
- Cooling Gases

**GENERAL FEATURES**
- **SERIES**: S61, S62 (Cooling Systems, cooling gases) S91 (LNG, H2, N2, CO2, O2, Food Industry, Health Industry etc.)
- **CONNECTION SIZE**: 1/4", 3/8", 1/2", 5/8", 7/8" Welding and coupling connections
- **BODY MATERIAL**: Brass (Core tube, plunger: Stainless Steel)
- **DIAPHRAGM MATERIAL**: PTFE / RUBY
- **WORKING PRESSURE**: 0 ... 35 bar / 0,5 ... 21 bar
- **WORKING TEMPERATURE**: -30˚C ... 105˚C (S61, S62) -196˚C ...(+30˚C S96)
- **POSITION**: Normally Closed (N.C.)
- **COIL VOLTAGE**: 230V AC, 110V, 48V, 24V, 12V AC/DC
- **PROTECTION CLASS**: IP 65, IP 68, Ex-proof Coil
SX AND SF SERIES EX-PROOF SOLENOID VALVES

APPLICATIONS

GENERAL FEATURES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>SX (II 2 G Ex mb IIC T4 ZONE 1 ZONE 2) ve SF (II 2 G Ex d II C T4 ZONE 1 ZONE 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8” ... 2” BSP (NPT on request)</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Brass (Core tube, plunger: Stainless Steel)</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>NBR (VITON, EPDM, on request)</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-10˚C ... 80˚C</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>0 ... 100 bar / 0.5 ... 16 bar, 0.5 ... 12 bar</td>
</tr>
<tr>
<td>POSITION</td>
<td>Normally Closed (N.C.) / Normally Open (N.O.)</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 110V, 48V, 24V, 12V AC DC</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>Ex-proof coils / Zone 1 &amp; Zone 2</td>
</tr>
</tbody>
</table>

S84 SERIES ISOLATION SOLENOID VALVES (Aggressive fluids)

APPLICATIONS

GENERAL FEATURES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>S84</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8”, 1/4”, 3/8”, 1/2”, 3/4”, 1”1/4”, 1 1/2” 2”</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Brass (Core tube, plunger: Stainless Steel)</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>VITON</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>-1 ... 6 bar (Changes on size)</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-10˚C ... 80˚C</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 110V, 48V, 24V, 12V AC DC</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>IP 65, IP 68, Ex-proof Coil</td>
</tr>
</tbody>
</table>
**S82 SERIES GROUP SOLENOID VALVES**

**APPLICATIONS**

- AIR
- WATER
- GAS

**GENERAL FEATURES**

**S82**

- **SERIES**: S82
- **CONNECTION SIZE**: 1/8" ... 1/4"
- **BODY MATERIAL**: Brass (Core tube, plunger: Stainless Steel)
- **DIAPHRAGM MATERIAL**: NBR (EPDM and VITON on request)
- **WORKING PRESSURE**: 0...16 bar / 0...12 bar (Changes on size)
- **WORKING TEMPERATURE**: -10˚C ... 80˚C
- **POSITION**: Normally Closed (N.C.) / Normally Open (N.O.)
- **COIL VOLTAGE**: 230V AC, 110V, 24V, 12V AC/DC
- **PROTECTION CLASS**: IP 65, IP 68, Ex-proof Coil

**S83 SERIES LATCHING AND SE SERIES ENERGY SAVING SOLENOID VALVES**

**APPLICATIONS**

- ENERGY SAVING
- AIR
- WATER
- GAS

**ENERGY SAVING UP TO 88%**

**GENERAL FEATURES**

**S83 and SE**

- **SERIES**: S83 and SE
- **CONNECTION SIZE**: 1/4" ... 2"
- **BODY MATERIAL**: Brass (Core tube, plunger: Stainless Steel)
- **DIAPHRAGM MATERIAL**: NBR (EPDM and VITON on request)
- **WORKING PRESSURE**: 0 ... 16 bar / 0.5 ... 16 bar / 0 ... 12 bar
- **WORKING TEMPERATURE**: -10˚C ... 80˚C
- **POSITION**: Normally Closed (N.C.) / Normally Open (N.O.) (Only SE series)
- **COIL VOLTAGE**: 110V, 48V, 24V, 12V DC
- **PROTECTION CLASS**: IP 65, IP 68, Ex-proof Coil
## S88 SERIES OXYGEN AND HYDROGEN SOLENOID VALVES

### APPLICATIONS

![Oxygen and Hydrogen](images)

### GENERAL FEATURES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>S88</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8&quot; ... 2&quot; BSP (NPT on request)</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Brass (Core tube, plunger: Stainless Steel)</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>EPDM (Purify from oil)</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-10...140˚C</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>0 ... 16 bar / 0.5 ... 16 bar / 0.5 ... 12 bar</td>
</tr>
<tr>
<td>POSITION</td>
<td>Normally Closed (N.C.) / Normally Open (N.O.)</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 110V, 48V, 24V, 12V AC/DC</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>IP 65, IP 68, Ex-proof Coil</td>
</tr>
</tbody>
</table>

## S91 SERIES PISTON TYPE SOLENOID VALVE

### APPLICATIONS

![Air, Water, Gas, High Pressure](images)

### GENERAL FEATURES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>S91</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8&quot; ... 1&quot;</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Brass (Core tube, plunger: Stainless Steel)</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>TEFLOM + NBR, TEFLOM + FKM</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>2 ... 70 bar</td>
</tr>
<tr>
<td>POSITION</td>
<td>Normally Closed (N.C.) / Normally Open (N.O.)</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 110V, 48V, 24V, 12V AC/DC</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>IP 65, IP 68, Ex-proof Coil</td>
</tr>
</tbody>
</table>
SPECIAL PRODUCTION SOLENOID VALVE

- **HIGH TEMPERATURE SOLENOID VALVE**
  DN15-DN100 screwed and flanged connection solenoid valve can be supplied for the application up to 300°C.

- **HIGH PRESSURE SOLENOID VALVE**
  1/4“-1/2” connection sizes can be supplied for the application up to 900 bar.

- **SP10 SERIES PROPORTIONAL SOLENOID VALVE**
  Tork Proportional Card allows proportional operation for solenoid valves. Suitable all direct acting solenoid valve and pilot operated vacuum series solenoid valve.

- **KVC SWITCH OUTPUT SOLENOID VALVE**
  Solenoid valves with contact output, with the proximity sensor located on the top of it provide on-off status of the valve.

- **PINCH SOLENOID VALVE**
  Pinch Solenoid valves are used in certain cases when the fluid, such as fruit juices, coffee machines etc. should be controlled without contacting valve surface. The fluid is controlled by compressing the tube passing through the valve.
MK1 SERIES MAGNETIC LOCK

Magnetic locks used for automatic on-off application such as doors etc.

PNEUMATIC SOLENOID VALVE

Solenoid valves are preferred when the air compressor system is more available instead of electrical power. Valves are controlled by on-off process generated by air supply.

VESSEL HORN SOLENOID VALVES

The vessel horn solenoid valves are used to operate the whistle system of the ships.

S89 SERIES IRRIGATION SOLENOID VALVE

Irrigation solenoid valves are mainly preferred for the agricultural applications. Valve body and diaphragm design enable that the flow loses minimum pressure. Body material can be PVC or metal.
PL1010 SERIES PULSE VALVES

APPLICATIONS

AIR FILTER AND DUST COLLECTOR

GENERAL FEATURES

- SERIES: PL1010 (Bag filter and bunker)
- CONNECTION SIZE: 3/4"... 3"
- BODY MATERIAL: Aluminium injection
- DIAPHRAGM MATERIAL: Neopren (VITON on request)
- CONNECTION: BSP (NPT on request)
- WORKING PRESSURE: 0.5 ... 8 bar
- WORKING TEMPERATURE: -20°C ... 80°C
- COIL VOLTAGE: 230V AC, 110V, 24V, 12V AC/DC
- POSITION: Normally Closed (N.C.)
- PROTECTION CLASS: IP 65, IP68 and EXPROOF Coil
PL 1020 SERIES AIR OPERATED PULSE VALVES

APPLICATIONS

GENERAL FEATURES

SERIES __________________________ PL1020 (Bag filter and bunker)
CONNECTION SIZE _______________ 3/4”... 3”
BODY MATERIAL _________________ Aluminium injection
DIAPHRAGM MATERIAL _____________ Neopren (VITON on request)
CONNECTION _____________________ BSP (NPT on request)
WORKING PRESSURE ______________ 0.5 ... 8 bar
WORKING TEMPERATURE ___________-20˚C ... 80˚C
POSITION _________________________ Normally Closed (N.C.)

PL 1030 SERİSİ SERIES PULSE VALVES

APPLICATIONS

GENERAL FEATURES

SERIES __________________________ PL1030 (Bag filter and bunker)
CONNECTION SIZE _______________ 3/4”... 1 1/2”
BODY MATERIAL _________________ Aluminium injection
DIAPHRAGM MATERIAL _____________ Neopren (VITON on request)
CONNECTION _____________________ Coupling
WORKING PRESSURE ______________ 0.5 ... 8 bar
WORKING TEMPERATURE ___________-20˚C ... 80˚C
POSITION _________________________ Normally Closed (N.C.)
COIL VOLTAGE ____________________ 230V AC, 110V, 24V, 12V AC/DC
PROTECTION CLASS ______________ IP 65, IP68 and EXPROOF Coil
**PL 1050 SERIES AIR OPERATED PULSE VALVES**

**APPLICATIONS**

- Air
- Filter and Dust Collector

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>PL1050 (Bag filter and bunker)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>3/4&quot;... 1 1/2&quot;</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Aluminium injection</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>Neopren (VITON on request)</td>
</tr>
<tr>
<td>CONNECTION</td>
<td>Coupling</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>0.5 ... 8 bar</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-20˚C ... 80˚C</td>
</tr>
<tr>
<td>POSITION</td>
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**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>PX1010 (Bag filter and bunker)</th>
</tr>
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<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>3/4&quot;... 3&quot;</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Aluminium injection</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>Neopren (VITON on request)</td>
</tr>
<tr>
<td>CONNECTION</td>
<td>BSP (NPT on request)</td>
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<tr>
<td>WORKING PRESSURE</td>
<td>0.5 ... 8 bar</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-20˚C ... 80˚C</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>220V, 110V, 24V, 12V, AC/DC</td>
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<tr>
<td>POSITION</td>
<td>Normally Closed (N.C.)</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>EX-PROOF coil*</td>
</tr>
</tbody>
</table>

*Exproof feature is only for coil.
APPLICATIONS

AIR FILTER AND DUST COLLECTOR

GENERAL FEATURES
Diaphragm valves are connected to the collector device. Connection may be with 3, 4, 5, 6 or 7 groups. Valve outputs are connected directly to a bunker with a pipe.

PULSE VALVES ACCESSORIES

MULTI TIME RELAY
220V AC
24V DC
8-32 Output

PULSE VALVE DIAPHRAGMS
1 1/2” Bottom Diaphragm 1 1/2” Bottom Diaphragm 1 1/2” Top Diaphragm 3/4”-1” Diaphragm 3/4”-1” Diaphragm

SINGLE TIME RELAY
Z-720
C-96
COILS

C40 STANDART COIL
PROTECTION CLASS IP65
VOLTAGE 230VAC, 110VAC, 24VAC, 12VAC
24VDC, 12VDC

C42 SERIES (WORKS UNDERWATER)
PROTECTION CLASS IP68
VOLTAGE 230VAC, 110VAC, 24VAC, 12VAC
24VDC, 12VDC

C20 SERIES MINI COIL
PROTECTION CLASS IP65
VOLTAGE 230VAC, 110VAC, 24VAC, 12VAC
24VDC, 12VDC

C30 SERIES
PROTECTION CLASS IP65
VOLTAGE 230VAC, 110VAC, 24VAC, 12VAC
24VDC, 12VDC

It is preferred in practice will have a very long time energy.

C43 SERIES
PROTECTION CLASS IP65
VOLTAGE 24VDC, 12VDC

ENERGY SAVING UP TO 88%
COILS

**C44 DIODE COILS**
- **PROTECTION CLASS**: IP65
- **VOLTAGE**: 24VDC, 12VDC, 48VDC, 110 VDC

**C45 BACKWARD DIODE COIL**
- **PROTECTION CLASS**: IP65
- **VOLTAGE**: 24VDC, 12VDC, 48VDC, 110 VDC

**C50 SERIES (FOR VACUUM & "0" PRESSURE DIFFERENTIAL SERIES)**
- **PROTECTION CLASS**: IP65
- **VOLTAGE**: 230VAC, 110VAC, 24VAC, 12VAC, 24VDC, 12VDC

**C97 PROPORTIONAL CONTROL CARD**
- **INPUT**: 4-20 mA
- If you want solenoid valves to be worked as proportional, need a proportional card unit.
- Also solenoid valves design must be convenient to proportional control.
**C41 EX-PROOF COIL**

**PROTECTION CLASS** Exx M II T4 IP65

**VOLTAGE** 230VAC, 110VAC, 24VAC, 12VAC

24VDC, 12VDC

---

**C21 EX-PROOF COIL**

**PROTECTION CLASS** II 2 G Ex mb IIIC T4 IP67

**VOLTAGE** 230VAC, 110VAC, 24VAC

24VDC

---

**C43 D CLASS FLAME-PROOF**

**PROTECTION CLASS** II 2 G Ex d II C T4 IP67

**VOLTAGE** 230VAC, 110VAC, 24VAC, 12VAC

24VDC, 12VDC

---

**SOCKETS**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>DESCRIPTION</th>
<th>PROTECTION CLASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>C80</td>
<td>Standard (Big)</td>
<td>IP65</td>
</tr>
<tr>
<td>C85</td>
<td>Standard (Small)</td>
<td>IP65</td>
</tr>
<tr>
<td>C81</td>
<td>Led (Big)</td>
<td>IP65</td>
</tr>
<tr>
<td>C86</td>
<td>Led (Small)</td>
<td>IP65</td>
</tr>
<tr>
<td>C82</td>
<td>PWM (Big) Energy Save Socket</td>
<td>IP65</td>
</tr>
<tr>
<td>C87</td>
<td>PWM (Small) Energy Save Socket</td>
<td>IP65</td>
</tr>
<tr>
<td>C90</td>
<td>Timer Controlled Socket</td>
<td>IP65</td>
</tr>
</tbody>
</table>

PVM sockets provide %88 power save.

If you want to make automatic on-off in a certain period, as an alternative to standard timers, C90 series timer controlled socket can be used. Compare to standard timers, less space and more easy to use.
## S8011 TORK GV SERIES NATURAL GAS MANUAL RESET SOLENOID VALVES

### APPLICATIONS

- **SMART HOUSES**

### GENERAL FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SERIES</strong></td>
<td>S8011</td>
</tr>
<tr>
<td><strong>CONNECTION SIZE</strong></td>
<td>3/8”... 2”</td>
</tr>
<tr>
<td><strong>BODY MATERIAL</strong></td>
<td>Aluminium injection</td>
</tr>
<tr>
<td><strong>DIAPHRAGM MATERIAL</strong></td>
<td>NBR</td>
</tr>
<tr>
<td><strong>CONNECTION</strong></td>
<td>BSP (NPT on request)</td>
</tr>
<tr>
<td><strong>WORKING PRESSURE</strong></td>
<td>0 ... 0.5 bar</td>
</tr>
<tr>
<td><strong>WORKING TEMPERATURE</strong></td>
<td>-20˚C ... 80˚C</td>
</tr>
<tr>
<td><strong>COIL VOLTAGE</strong></td>
<td>230V AC, 110V, 24V, 12V AC/DC</td>
</tr>
<tr>
<td><strong>POSITION</strong></td>
<td>Normally Open (N.O.)</td>
</tr>
<tr>
<td><strong>PROTECTION CLASS</strong></td>
<td>IP 65, IP68 and EXPROOF coil</td>
</tr>
</tbody>
</table>

---

www.smstork.com
### S8086 TORK GV SERIES NATURAL GAS MANUAL RESET SOLENOID VALVES

**APPLICATIONS**

- **SMART HOUSES**

**GENERAL FEATURES**

- **SERIES** S8086
- **CONNECTION SIZE** 3/8”... 1”
- **BODY MATERIAL** Aluminium injection
- **DIAPHRAGM MATERIAL** NBR
- **CONNECTION** BSP (NPT on request)
- **WORKING PRESSURE** 0 ... 0,5 bar
- **WORKING TEMPERATURE** -20˚C ... 80˚C
- **COIL VOLTAGE** 230V AC, 110V, 24V, 12V AC/DC
- **POSITION** Normally Closed (N.C.)
- **PROTECTION CLASS** IP 65, IP68 and EXPROOF coil

### S8079 TORK GV SERIES NATURAL GAS MANUAL RESET SOLENOID VALVES

**APPLICATIONS**

- **SMART HOUSES**

**GENERAL FEATURES**

- **SERIES** S8079
- **CONNECTION SIZE** DN65 ... DN100
- **BODY MATERIAL** Aluminium injection
- **DIAPHRAGM MATERIAL** NBR
- **CONNECTION** Flanged Connection
- **WORKING PRESSURE** 0 ... 1 bar
- **WORKING TEMPERATURE** -20˚C ... 80˚C
- **COIL VOLTAGE** 230V AC, 110V, 24V, 12V AC/DC
- **POSITION** Normally Open (N.O.)
- **PROTECTION CLASS** IP 65
GR20 REGULATORS

APPLICATIONS

GENERAL FEATURES
SERIES GR20
CONNECTION SIZE 1/2"... 1"
BODY MATERIAL Aluminium injection
DIAPHRAGM MATERIAL NBR
CONNECTION BSP (NPT on request)
WORKING PRESSURE Input 500 mbar, Output 0 ... 98 mbar
WORKING TEMPERATURE -20 °C ... 80 °C

GR30 REGULATORS

APPLICATIONS

GENERAL FEATURES
SERIES GR30
CONNECTION SIZE 1/2"... 2"
BODY MATERIAL Aluminium injection
DIAPHRAGM MATERIAL NBR
CONNECTION BSP (NPT on request)
WORKING PRESSURE Input 1 bar / Output 10 ... 500 mbar
WORKING TEMPERATURE -20 °C ... 80 °C

GR60 SHUT-OFF REGULATORS

APPLICATIONS

GENERAL FEATURES
SERIES GR60
CONNECTION SIZE 1/2"... 1"
BODY MATERIAL Aluminium injection
DIAPHRAGM MATERIAL NBR
CONNECTION BSP (NPT on request)
WORKING PRESSURE Input 1 bar
Output 8 ... 14 mbar / 14 ... 25 mbar / 25 ... 68 mbar
68 ... 120 mbar / 120 ... 180 mbar / 320 ... 450 mbar
WORKING TEMPERATURE -20 °C ... 80 °C
**GF10 FILTER**

**APPLICATIONS**

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>GF10</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/2”... 2”</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Aluminium injection</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>Synthetic fibers</td>
</tr>
<tr>
<td>CONNECTION</td>
<td>BSP (NPT on request)</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>0 ... 4 bar</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-20˚C ... 80˚C</td>
</tr>
</tbody>
</table>

**S8010 LPG and NATURAL GAS VALVES**

**APPLICATIONS**

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>S8010</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8” ... 1”</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Brass</td>
</tr>
<tr>
<td>DIAPHRAGM MATERIAL</td>
<td>NBR</td>
</tr>
<tr>
<td>CONNECTION</td>
<td>BSP (NPT on request)</td>
</tr>
<tr>
<td>WORKING PRESSURE</td>
<td>0 ... 9 bar / 1 ... 16 bar</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-20˚C ... 80˚C</td>
</tr>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 110V, 24V, 12V AC/DC</td>
</tr>
<tr>
<td>POSITION</td>
<td>Normally Closed (N.C.)</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>IP 65 IP68 EXPROOF</td>
</tr>
</tbody>
</table>

**GAS ALARM DEVICES**

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>GA20 Atex Class</th>
<th>IIG Ex mä IIIB T6 Zone 1 Zone 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>GA21 Atex Class</td>
<td>IIG Ex d IIIB T6 Zone 1 Zone 2</td>
</tr>
</tbody>
</table>
**MECHANICAL EARTHQUAKE VALVE**

**APPLICATIONS**

- [Smart Houses](#)

**GENERAL FEATURES**

- **SERIES**: TORK FDV
- **CONNECTION SIZE**: 1" ... 2" / DN25 ... DN50
- **BODY MATERIAL**: Aluminium
- **DIAPHRAGM MATERIAL**: NBR
- **CONNECTION**: BSP (NPT or Flanged on request)
- **WORKING PRESSURE**: 0 ... 0,5 bar
- **WORKING TEMPERATURE**: 60°C

**MANOMETER**

**APPLICATIONS**

- [Smart Houses](#)

**GENERAL FEATURES**

- **SERIES**: TORK GA
- **CONNECTION SIZE**: 1/4"
- **BODY MATERIAL**: Metal
- **CONNECTION**: BSP Screwed
- **WORKING PRESSURE**: 0 ... 100 bar / 0 ... 600 bar

**TORK TITE PIPE SEAL UNITS**

**IT IS USED FOR SEALING OF INSTALLATIONS.**
## Double Acting-Single Acting Pneumatic Actuators

**RA Series**
- **Series**: RA...DA (double acting), RA..SR (spring return) / Standard Series
- **Model**: RA32DA...RA350DA (double acting) / RA40SR...RA350SR (spring return)
- **Application**: For On-off and Proportional Control of Ball and Butterfly Valves
- **Size**: RA32DA...RA350DA (double acting) / RA40SR...RA350SR (spring return)
- **Feeding Pressure**: 4 - 8 Bar
- **Output Torque Value**: Double Acting series: 9 Nm ... 5162 Nm / Spring return 5 Nm... 1950 Nm
- **Body Material**: Aluminium Extrusion Cover by Hardened Eloxal or Aluminium Cast Iron
- **Shaft**: Steel (Nickel Coated), (On Request Stainless Steel)
- **Seal**: Nitrile Rubber (On Request VITON)
- **Working Temperature**: -20°C ... 80°C (-50°C ... +80°C /-20... +150)
- **Bedding Material**: Industrial hard plastic
- **Control Type**: On - Off or Proportional Control
- **Actuator/Valve Connection**: ISO 5211
- **Standard**: NAMUR 3/2 (spring return) or 5/2 (double acting)

**RX Series**
- **Series**: RX...DA (double acting), RX..SR (single returning) / Atex protection class series
- **Model**: RX...DA (double acting), RAM...DA (double acting), RAM...SR (spring return) 50°C
- **Application**: | RA...DA (double acting), RA..SR (spring return) | Standard Series
| RX...DA (double acting), RX..SR (single returning) | Atex protection class series
| RAM...DA (double acting), RAM...SR (spring return) | 50°C
- **Feeding Pressure**: | 4 - 8 Bar
- **Output Torque Value**: | Double Acting series: 9 Nm ... 5162 Nm / Spring return 5 Nm... 1950 Nm
- **Body Material**: | Aluminium Extrusion Cover by Hardened Eloxal or Aluminium Cast Iron
- **Shaft**: | Steel (Nickel Coated), (On Request Stainless Steel)
- **Seal**: | Nitrile Rubber (On Request VITON)
- **Working Temperature**: | -20°C ... 80°C (-50°C ... +80°C /-20... +150)
- **Bedding Material**: | Industrial hard plastic
- **Control Type**: | On - Off or Proportional Control
- **Actuator/Valve Connection**: | ISO 5211
- **Standard**: | NAMUR 3/2 (spring return) or 5/2 (double acting)

**RAM Series**
- **Series**: RAM...DA (double acting), RAM...SR (spring return) 50°C
- **Model**: RA32DA...RA350DA (double acting) / RA40SR...RA350SR (spring return)
- **Application**: For On-off and Proportional Control of Ball and Butterfly Valves
- **Size**: RA32DA...RA350DA (double acting) / RA40SR...RA350SR (spring return)
- **Feeding Pressure**: 4 - 8 Bar
- **Output Torque Value**: Double Acting series: 9 Nm ... 5162 Nm / Spring return 5 Nm... 1950 Nm
- **Body Material**: Aluminium Extrusion Cover by Hardened Eloxal or Aluminium Cast Iron
- **Shaft**: Steel (Nickel Coated), (On Request Stainless Steel)
- **Seal**: Nitrile Rubber (On Request VITON)
- **Working Temperature**: -20°C ... 80°C (-50°C ... +80°C /-20... +150)
- **Bedding Material**: Industrial hard plastic
- **Control Type**: On - Off or Proportional Control
- **Actuator/Valve Connection**: ISO 5211
- **Standard**: NAMUR 3/2 (spring return) or 5/2 (double acting)
### 3 POSITION PNEUMATIC ACTUATORS

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>SIZE</th>
<th>APPLICATION</th>
<th>FEEDING PRESSURE</th>
<th>OUTPUT TORK VALUE</th>
<th>BODY MATERIAL</th>
<th>SEAL</th>
<th>WORKING TEMPERATURE</th>
<th>BEDDING MATERIALS</th>
<th>CONTROL TYPE</th>
<th>ACTUATOR/VALVE CONNECTION STANDARD</th>
<th>SOLENOID VALVE CONNECTION STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA...3P</td>
<td>RA403P...RA1203P</td>
<td>For On-Off Control of Ball and Butterfly Valves</td>
<td>4 - 8 Bar</td>
<td>18-330 Nm</td>
<td>Aluminium Extrusion Cover by Hardened Eloxal</td>
<td>Nitrile Rubber (On Request Viton)</td>
<td>-20°C ... 80 °C (-50°C .... +80°C / -20... +150)</td>
<td>Industrial Hard Plastic</td>
<td>On-off Control</td>
<td>ISO 5211</td>
<td>NAMUR</td>
</tr>
</tbody>
</table>

* 3 Position Pneumatic Actuators can be produced as 90°, 120°, 180°

### 120° and 180° PNEUMATIC ACTUATORS

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>SIZE</th>
<th>APPLICATION</th>
<th>FEEDING PRESSURE</th>
<th>OUTPUT TORK VALUE</th>
<th>BODY MATERIAL</th>
<th>SEAL</th>
<th>WORKING TEMPERATURE</th>
<th>BEDDING MATERIALS</th>
<th>CONTROL TYPE</th>
<th>ACTUATOR/VALVE CONNECTION STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA...2D (120°) RA...8D (180°)</td>
<td>RA402D/8D...RA1202D/8D</td>
<td>For On-Off and Proportional Control of Ball, Butterfly, Direction Discs and Dampers</td>
<td>4 - 8 Bar</td>
<td>18-330 Nm</td>
<td>Aluminium Extrusion Cover by Hardened Eloxal or Aluminium Cast Iron</td>
<td>Nitrile Rubber (On Request VITON)</td>
<td>-20°C ... 80 °C (-50°C .... +80°C / -20... +150)</td>
<td>Industrial Hard Plastic</td>
<td>On-Off or Proportional Control</td>
<td>ISO 5211</td>
</tr>
</tbody>
</table>
SCOTCH YOKE ACTUATORS

GENERAL FEATURES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>RSY...DA (double acting), RSY...SR (spring return) / Standard series</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE</td>
<td>RSY40DA...RSY200DA (Double Acting) / RSY40SR...RSY200SR (Spring Return)</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>For On-Off and Proportional Control of Ball and Butterfly Valves</td>
</tr>
<tr>
<td>FEEDING PRESSURE</td>
<td>4 - 8 Bar</td>
</tr>
<tr>
<td>OUTPUT TORQUE VALUE</td>
<td>DA serisi: 11 Nm ... 4820 Nm / Tek etkili 4 Nm..., 1260 Nm</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Aluminium Extrusion Cover by Hardened Eloxal or Aluminium Cast Iron</td>
</tr>
<tr>
<td>SHAFT</td>
<td>Steel (Nickel Coated), (On Request Stainless Steel)</td>
</tr>
<tr>
<td>SEAL</td>
<td>Nitrile Rubber, (On Request VITON)</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-20°C ... 80°C</td>
</tr>
<tr>
<td>BEDDING MATERIAL</td>
<td>Industrial hard plastic</td>
</tr>
<tr>
<td>CONTROL TYPE</td>
<td>On - Off or Proportional Control</td>
</tr>
<tr>
<td>ACTUATOR/VALVE CONNECTION STANDARD</td>
<td>ISO 5211</td>
</tr>
<tr>
<td>SOLENOID VALVE CONNECTION STANDARD</td>
<td>NAMUR 3/2 (spring return) or 5/2 (double acting)</td>
</tr>
</tbody>
</table>

PNEUMATIC ACTUATOR ACCESORIES

NAMUR SOLENOID VALVES

<table>
<thead>
<tr>
<th>NM SERIES</th>
<th>1/4&quot; - 5/2 Single or Double Coil Namur Type Solenoid Valve, 1/4&quot; - 3/2 Single Coil Namur Type Solenoid Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>COIL VOLTAGE</td>
<td>230V AC, 110 V, 24 V, 12V AC/DC, (IP 65 ve Ex-proof)</td>
</tr>
</tbody>
</table>
PNEUMATIC ACTUATOR ACCESSORIES

LIMIT SWITCH BOX

**A†EX**

**LS... SERIES**
- LS10, LS20 (ATEX), LS30 (ATEX)
- LS80 (ATEX + NAMUR VALVE) Mechanic • Proximity

**SENSOR**
- Mechanic Dry Contact, Proximity, Atex Proximity

**APPLICATION**
- Used on valves for Position Checking and Receiving Electric Signal in Rotary Type Pneumatic Actuators, (Double and Single Acting). (contact output or analogue output)

**CONNECTION**
- NAMUR

**PROTECTION CLASS**
- LS10 Series IP65 / LS20 Series IP67 (Ex d IIC T6, Exia IIC T6 Optional)

POSITIONERS

**SERIES**
- Smart (SS2R), Electro Pneumatic (EPR), Pneumatic Pneumatic (PPR) Rotary and for linear actuators.

**INPUT**
- 4.20 mA or 0.21 bar (3.15 psi) (Optional 4.20 mA or mechanical output)

**AIR PRESSURE**
- 6 bar

**APPLICATION**
- Used for Proportional Control Applications of Rotary and Linear Pneumatic Actuators

TORK-MOR SERIES CONTROL UNIT

**TORQUE VALUE**
- 100 Nm, 450 Nm, 750 Nm, 1500 Nm, 3500 Nm, 5000 Nm, 7500 Nm

**APPLICATION**
- The unit is used for opening the valve with hand control on Rotary Type Pneumatic Actuated Ball and Butterfly valves.

CONDITIONER

**APPLICATION**
- QL Valve Locks are suitable for usage of all kinds of quarter turn and full turn valves. You can take your process under secure that keeping locked both positions open and closed with single and double locks options.

QL VALVE LOCKS

**APPLICATION**
- QL Valve Locks are suitable for usage of all kinds of quarter turn and full turn valves. You can take your process under secure that keeping locked both positions open and closed with single and double locks options.
HYGIENIC BEVERAGE ACTUATORS AND ACCESSORIES

APPLICATIONS

NUTRITION

PHARMA HOSPITAL
and HEALTH

HYGIENIC ACTUATED VALVES

SERIES ___________________________ PAV 814 Stainless Steel Actuated Hygienic Valve / HRA Stainless Steel Pneumatic Actuator

APPLICATIONS ________________________ Nutrition, Chemical Industry, Sanitary

CONNECTION SIZE _________________ DN 25 - DN 150

WORKING PRESSURE _______________ -1:10 Bar

BODY MATERIAL ________________________ AISI 316L Stainless Steel Body, EPDM Seal (On Request; AISI 304, Viton, Silicon)

PNEUMATIC ACTUATED BUTTERFLY VALVES

APPLICATIONS

CEMENT, CONCRETE and LIME

IRON - STEEL

PAINT CHEMICAL INDUSTRY

SUGAR

WATER TREATMENT

ENERGY

AGGRESSIVE MEDIAS

NUTRITION

SHIPPING INDUSTRY

140°C

160°C

180°C

GENERAL FEATURES

WORKING PRESSURE ________________ PN10 PN16

FEEDING PRESSURE __________________ 4-8 BAR

CONTROL OPTIONS ___________________ ON-OFF / PROPORTIONAL (WITH POSITIONER)

WAY _______________________________ 2/2

CONNECTION TYPE ____________________ WAFER, LUG

SIZE _______________________________ DN25...DN600

BODY _______________________________ GG 25, GGG 40-50

SEAL ________________________________ EPDM, NBR, NR, EPDM HT, SILICON/VITON, TEFLO

DISC _______________________________ AISI304, TEFLO COATED AISI304

WORKING TEMPERATURE _____________ -30°C...+180°C
PNEUMATIC ACTUATED BRASS AND STAINLESS STEEL BODY BALL VALVES

APPLICATIONS
IRON - STEEL | PAINT | CHEMICAL | INDUSTRY | SUGAR | WATER | TREATMENT | ENERGY | AGGRESSIVE | MEDIAS | NUTRITION | SHIPPING | INDUSTRY | NOURISHMENT | VACUUM | CHEMICALS | +140°C | +160°C | +180°C

GENERAL FEATURES
WORKING PRESSURE PN10 PN40 Brass / PN10 PN63 Stainless Steel
FEEDING PRESSURE 4-8 BAR
CONTROL OPTIONS ON-OFF / PROPORTIONAL (WITH POSITIONER)
WAY 2/2 3/2
CONNECTION TYPE BSP/NPT SCREWED, FLANGED CONNECTION
SIZE 1/2”... 3” DN25...DN200
BODY BRASS / STAINLESS STEEL 316
SEAL PTFE
WORKING TEMPERATURE -30°C...+180°C

PNEUMATIC ACTUATED PVC BODY VALVES

APPLICATIONS
WATER TREATMENT | AGGRESSIVE MEDIAS | CHEMICALS

GENERAL FEATURES
WORKING PRESSURE PN6 PN13
FEEDING PRESSURE 4-8 BAR
CONTROL OPTIONS ON-OFF / PROPORTIONAL (WITH POSITIONER)
WAY 2/2 3/2
CONNECTION TYPE BSP SCREWED, PASTING CONNECTION
SIZE 1/2”... 4” DN20...DN110
BODY U PVC
SEAL EPDM, VITON
WORKING TEMPERATURE -10°C...80°C
PNEUMATIC ACTUATED MONOBLOCK BALL VALVES

APPLICATIONS

GENERAL FEATURES

WORKING PRESSURE \[\text{PN40}\]
FEEDING PRESSURE \[4-8\text{ BAR}\]
CONTROL OPTIONS \[\text{ON-OFF/ PROPORTIONAL (WITH POSITIONERS)}\]
WAY \[2/2 \text{ 3/2}\]
CONNECTION TYPE \[\text{FLANGED}\]
SIZE \[\text{DN15...DN100}\]
BODY \[\text{CARBON STEEL, AISI 316/304 STAINLESS STEEL}\]
SEAL \[\text{PTFE}\]
BALL \[\text{AISI 316}\]
WORKING TEMPERATURE \[\text{-30°C_180°C}\]

PNEUMATIC ACTUATED CARBON STEEL and SPHERO CAST IRON BALL VALVES

APPLICATIONS

GENERAL FEATURES

WORKING PRESSURE \[\text{PN16 PN40}\]
FEEDING PRESSURE \[4-8\text{ BAR}\]
CONTROL OPTIONS \[\text{ON-OFF / PROPORTIONAL (WITH POSITIONER)}\]
WAY \[2/2 \text{ 3/2}\]
CONNECTION TYPE \[\text{FLANGED}\]
SIZE \[\text{DN15...DN200}\]
BODY \[\text{CARBON STEEL, SPHERO CAST IRON}\]
SEAL \[\text{PTFE}\]
BALL \[\text{AISI 316}\]
WORKING TEMPERATURE \[\text{-30°C_180°C}\]
PNEUMATIC ACTUATED PLUG VALVES

APPLICATIONS

| CEMENT, CONCRETE and LIME | SOIL AND CERAMIC | WATER TREATMENT |

GENERAL FEATURES

<table>
<thead>
<tr>
<th>WORKING PRESSURE</th>
<th>PN10</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEEDING PRESSURE</td>
<td>4-8 BAR</td>
</tr>
<tr>
<td>CONTROL OPTIONS</td>
<td>ON-OFF / PROPORTIONAL (WITH POSITIONER)</td>
</tr>
<tr>
<td>WAY</td>
<td>2/2 3/2</td>
</tr>
<tr>
<td>CONNECTION TYPE</td>
<td>BSP/NPT SCREWED, FLANGED CONNECTION</td>
</tr>
<tr>
<td>SIZE</td>
<td>1/2&quot;... 4&quot; DN15...DN100</td>
</tr>
<tr>
<td>BODY</td>
<td>PIG CAST IRON, SPHERO CAST IRON, STEEL CAST IRON, STAINLESS STEEL, BRONZE</td>
</tr>
<tr>
<td>SEAL</td>
<td>METAL TO METAL SEAL</td>
</tr>
<tr>
<td>WORKING TEMPERATURE</td>
<td>-30°C_200°C</td>
</tr>
</tbody>
</table>

ELECTRIC ACTUATORS

GENERAL FEATURES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>REA</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE</td>
<td>REA 40...REA3000 DA</td>
</tr>
<tr>
<td>APPLICATIONS</td>
<td>On-off and control of ball and butterfly valve</td>
</tr>
<tr>
<td>FEEDING VOLTAGE</td>
<td>230V AC, 380V AC, 24V AC/DC, 4-20mA Proportional control</td>
</tr>
<tr>
<td>OUTPUT TORQUE VALUE</td>
<td>40 Nm....3000 Nm (24V DC de maksimum 150 Nm)</td>
</tr>
<tr>
<td>BODY MATERIAL</td>
<td>Aluminium Injection</td>
</tr>
<tr>
<td>PROTECTION CLASS</td>
<td>IP 65 IP 67 (Against to moisten, heater inside of engine.)</td>
</tr>
<tr>
<td>OPEN-CLOSE TIME</td>
<td>12...112 sec (Changes up to models.)</td>
</tr>
<tr>
<td>ENGINE TYPE</td>
<td>Reversible engine can be rotated in opposite way on request.</td>
</tr>
<tr>
<td>LIMIT AND TORK SWITCH</td>
<td>There are 2 position switches on all product as standard. Against to overload, there is tork switch for protection.</td>
</tr>
<tr>
<td>LOCAL INDICATOR</td>
<td>Standard on all products.</td>
</tr>
<tr>
<td>CONTROL TYPE</td>
<td>On - Off or proportional control</td>
</tr>
<tr>
<td>ACTUATOR / VALVE CONNECTION STANDART</td>
<td>ISO 5211</td>
</tr>
<tr>
<td>AMBIENT TEMPERATURE</td>
<td>-20°C _70°C</td>
</tr>
</tbody>
</table>
MINI MOTORISED VALVES

APPLICATIONS

SMART HOUSES

GENERAL FEATURES

WORKING PRESSURE _____________ PN10
FEEDING VOLTAGE ______________ 220V AC, 24V AC, 24V DC, 12V DC
CONTROL OPTIONS _____________ ON OFF / PROPORTIONAL
WAY _________________________ 2/2 3/2
CONNECTION TYPE _____________ BSP SCREWED
SIZE __________________________ 1/2"...1"
BODY __________________________ AISI 304, BRASS
SEAL __________________________ PTFE
OPERATION TIME ________________ 5-7 sec
WORKING TEMPERATURE __________ -10°C_80°C

ELECTRIC ACTUATED BUTTERFLY VALVES

APPLICATIONS

CEMENT, CONCRETE and LIME
IRON - STEEL
PAINT CHEMICAL INDUSTRY
SUGAR
WATER TREATMENT
ENERGY
AGGRESSIVE MEDIAS
NUTRITION
SHIPPING INDUSTRY

GENERAL FEATURES

WORKING PRESSURE _____________ PN10 PN16
FEEDING VOLTAGE ______________ 230V AC, 380V AC, 24V AC/DC, 4-20mA Proportional Control
CONTROL OPTIONS _____________ ON OFF / PROPORTIONAL
WAY _________________________ 2/2
CONNECTION TYPE _____________ WAFFER, LUG
SIZE __________________________ DN25...DN600
BODY __________________________ GG 25, GGG 40-50
SEAL __________________________ EPDM, NBR, NR, EPDM HT, SILICON, VITON, TEFLOW
DISC __________________________ AISI304, TEFLOW COATED AISI304
WORKING TEMPERATURE __________ -30°C_180°C
ELECTRIC ACTUATED BRASS and STAINLESS STEEL BODY BALL VALVES

APPLICATIONS

IRON - STEEL  PAINT CHEMICAL INDUSTRY  SUGAR  WATER TREATMENT  ENERGY  AGGRESSIVE MEDIAS  NUTRITION  SHIPMENT INDUSTRY  NOURISHMENT VACUUM  CHEMICALS

GENERAL FEATURES

WORKING PRESSURE ___________ PN10 PN40 Brass / PN10 PN63 Stainless Steel
FEEDING PRESSURE ___________ 230V AC, 380V AC, 24V AC/DC, 4-20mA Proportional Control
CONTROL OPTIONS ___________ ON OFF / PROPORTIONAL
WAY ___________________________ 2/2 3/2
CONNECTION TYPE ___________ BSP/NPT SCREWED, FLANGED CONNECTION
SIZE ___________________________ 1/2"... 3" DN25...DN200
BODY ___________________________ BRASS/STAINLESS STEEL 316
SEAL ___________________________ TEFILON
WORKING TEMPERATURE ___________ -30°C_180°C

ELECTRIC ACTUATED MONOBLOCK BALL VALVES

APPLICATIONS

PETRO CHEMICAL  NATURAL GAS LPG  DYE INDUSTRY  LPG FILLING STATIONS

GENERAL FEATURES

WORKING PRESSURE ___________ PN40
FEEDING VOLTAGE ___________ 230V AC, 380V AC, 24V AC/DC, 4-20mA Proportional Control
CONTROL OPTIONS ___________ ON OFF / PROPORTIONAL
WAY ___________________________ 2/2 3/2
CONNECTION TYPE ___________ FLANGED
SIZE ___________________________ DN15...DN100
BODY ___________________________ CARBON STEEL, AISI 316/304 STAINLESS STEEL
SEAL ___________________________ PTFE
BALL ___________________________ AISI 316
WORKING TEMPERATURE ___________ -30°C_180°C
PNEUMATIC ACTUATED CARBON STEEL and SPHERO CAST IRON STEEL BALL VALVES

APPLICATIONS

GENERAL FEATURES

WORKING PRESSURE ................ Pn16 Pn40
FEEDING VOLTAGE .................. 230V AC, 380V AC, 24V AC/DC, 4-20mA Proportional Control
CONTROL OPTIONS .................. ON OFF / PROPORTIONAL
WAY .................................... 2/2 3/2
CONNECTION TYPE ................. FLANGED
SIZE ................................... DN15...DN200
BODY ................................... CARBON STEEL, SPHERO CAST IRON
SEAL ................................... PTFE
BALL ................................... AISI 316
WORKING TEMPERATURE ........... -30°C_180°C

GLOBE CONTROL VALVES

APPLICATIONS

GENERAL FEATURES

WORKING PRESSURE ................ Pn25 (Sphero Cast Iron) Pn40 (Carbon Steel and Stainless Steel)
FEEDING PRESSURE .................. 4-8 Bar
CONTROL OPTIONS .................. ON OFF / PROPORTIONAL (with positioner)
WAY .................................... 2/2 3/2
CONNECTION TYPE ................. FLANGED
SIZE ................................... DN15...DN150
BODY ................................... STAINLESS STEEL, CARBON STEEL, SPHERO CAST IRON
SEAL ................................... PTFE-METAL TO METAL
WORKING TEMPERATURE ........... -30°C_180°C
PINCH VALVES

APPLICATIONS

CEMENT, CONCRETE and LIME
NUTRITION

GENERAL FEATURES

WORKING PRESSURE ___________ 2-6 Bar
FEEDING PRESSURE ___________ MINIMUM 2 Bar
CONTROL OPTIONS ___________ ON OFF / PROPORTIONAL (with I/P converter)
WAY ________________________ 2/2
CONNECTION TYPE ___________ BSP SCREWED / FLANGED
SIZE ________________________ 1/2”...2” DN40...DN500
BODY ________________________ ALUMINIUM CAST IRON, STAINLESS STEEL, IRON
SEAL ________________________ NR (Corrosion proof natural rubber), EPDM (Available for nutrient), NBR, VITON, SILICON
WORKING TEMPERATURE ______________ -10°C...+80°C
PNEUMATIC PISTON VALVES

APPLICATIONS

AIR WATER GAS STEAM WORKABLE

PP1030

PP1090

GENERAL FEATURES

SERIES TORK PP
CONNECTION SIZE 1/2" ... 2" BSP, DN15...DN50, flanged, 1/2" ... 2" welding connection (On request NPT)
POSITION Normally Close (NC), Normally Open (NO)
WAY 2/2 3/2
WORKING TEMPERATURE -50...+180°C (Changes up to product series)
WORKING PRESSURE -1...40 BAR (Changes up to product series)
BODY Stainless steel AISI 316 (The head is plastic on PP1090 and PP1030 series)
SEAL MATERIAL Standard PTFE
CONTROL AIR PRESSURE 6 bar
AIR FEEDING CONNECTION 1/4" BSP screwed

PP1020

PP1016
HIGH PERFORMANCE PNEUMATIC PISTON VALVES

APPLICATIONS

AIR WATER GAS STEAM WORKABLE

GENERAL FEATURES

SERIES ______________ TORK PP
CONNECTION SIZE ______________ 1/2” ... 2” BSP PP1020-PP1021,
                            DN15...DN50 PP1060-PP1061
                            1/2” ... 2” welding connection PP1040-PP1041
POSITION ______________ Normally Close (NC), Normally Open (NO)
WAY ______________ 2/2 3/2
WORKING TEMPERATURE ______________ -50˚C _+180˚C (Changes up to product series)
WORKING PRESSURE ______________ -1...16 PP1020-PP1021/PP1040-PP1041/PP1060-PP1061*
                            -1...40 BAR PP1070*
BODY ______________ Stainless steel AISI 316 (The head is plastic on PP1090 and PP1030 series)
SEAL MATERIAL ______________ Standard PTFE
CONTROL AIR PRESSURE ______________ 6 bar
AIR FEEDING CONNECTION ______________ 1/4” BSP Screwed

*Maximum pressure values can be changed according to connection size.

ECONOMIC PNEUMATIC PISTON VALVES

APPLICATIONS

AIR WATER GAS STEAM WORKABLE

GENERAL FEATURES

SERIES ______________ TORK PP
CONNECTION SIZE ______________ 3/8” ... 1/2” BSP PP1030-PP1031,
                            1/2”...2” PP1090 PP1091/PP1050-PP1051
POSITION ______________ Normally Close (NC), Normally Open (NO)
WAY ______________ 2/2
WORKING TEMPERATURE ______________ -10...+110˚C
WORKING PRESSURE ______________ -1...16 PP1030-PP1031/PP1090-PP1091/PP1050-PP1051
BODY ______________ Stainless steel AISI 316 (The head is plastic on PP1090 and PP1030 series)
SEAL MATERIAL ______________ Standard PTFE
CONTROL AIR PRESSURE ______________ 6 bar
AIR FEEDING CONNECTION ______________ 1/4” BSP Screwed
PNEUMATIC PISTON VALVE ACCESSORIES

PPL SERIES LINEAR POSITIONERS WHICH IS USED FOR PROPORTIONAL CONTROL WITH 4-20 mA. THE PISTON VALVES SEAL THAT IS USING FOR PROPORTIONAL CONTROL MUST BE PRODUCED AS SPECIAL.

S1015 3/2 WAY SOLENOID VALVES FOR ON-OFF CONTROL

DRY CONTACT and PROXIMITY SENSOR OUTPUT LIMIT SWITCH BOX

DAMPERS FOR PROPORTIONAL and ON-OFF CONTROL with ELECTRIC
APPLICATIONS

ENERGY  WATER TREATMENT  IRON - STEEL  PETRO CHEMICAL  SHIPPING INDUSTRY  NATURAL GAS LPG  ATEX

GENERAL FEATURES

SERIES __________ HM
APPLICATION ______________ Used for the automation process which has big shaft diameters like penstock and channel, also gate and ball valves.

TORK ROTATING MOMENT __________ 14 - 3000 Nm Gear box tork value 43.000 or max. 500.000 Nm

PROTECTION CLASS ____________ IP67 Water proof optionally IP68 (10m/72 hours ) and ExproofEx d II B T4 (20°C _60°C)

• Standard LCD screen and manual override unit. Optionally infrared remote control, MODBUS, PROFIBUS communication, PCU specifications with 0 - 10V DC , 4-20 mA input/output proportional control.

• With CPT specifications position transmitter (4-20 mA output)
PLASTIC AND GLASS VARIABLE AREA FLOWMETER

APPLICATION

WATER  AIR  GAS

GENERAL FEATURES
BODY Trogamid or Polysulfone, Glass Tube
FLOW RANGE 0.1 l/h ... 60 m³/h
DISPLAY Instant flow can be seen
CONTACT OR OUTPUT Contact or 4-20mA output
LIQUID Water, Air, Alcalies, Gas

METAL VARIABLE AREA FLOWMETER

APPLICATION

WATER  AIR  GAS

GENERAL FEATURES
BODY Stainless steel, AISI 316
FLOW RANGE 0.1 l/h ... 1000 m³/h
CONNECTION SIZE DN 15 ... DN150 (1/4", 1/2", 3/4")
OUTPUT Instant flow, analogue output 4-20 mA, contact switch, totalizer
LIQUID Water, Air, Gas
ELECTROMAGNETIC AND ULTRASONIC FLOWMETER

APPLICATIONS

GENERAL FEATURES

BODY______________________ PP, PTFE, PVDF, Hard Rubber Coated
FLOW RANGE__________________ 5-200 l/h ... 150-7000 m /h
CONNECTION SIZE_________DN15 ... DN500 Wafer, Flange, Threaded, Clamp and Insert Type
OUTPUT________________________ Instant and Total Flow, 4-20mA or Pulse output
LIQUID__________________________ Conductive Liquid (Independence of Viscosity and density)

GEAR WHEEL, SCREW AND TURBINE FLOWMETER

APPLICATIONS

GENERAL FEATURES

BODY______________________ Brass, Stainless Steel, PPS, PVDF, Acyrilic
FLOW RANGE__________________ 0.02 l/min....150 l/min.
DIGITAL DISPLAY____________Instant Flow and Optional + Digital Flow 4-20 mA Output
LIQUID__________________________ Water, Air, Oil Alkalis, High Viscosity Liquids, High pressure (PN 300 max.)
# FLOW SWITCH (PEDAL AND PISTON TYPE)

**APPLICATIONS**

| LIQUID | AIR |

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>BODY</th>
<th>Brass, Stainless steel, Plastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONNECTION SIZE</td>
<td>(1/8” ... 1”) or DN15 ... DN200 size</td>
</tr>
<tr>
<td>TEMPERATURE</td>
<td>Max. 125˚C, 350˚C (optional)</td>
</tr>
<tr>
<td>CONTACT</td>
<td>Reed contact, SPDT or display type, exproof type</td>
</tr>
<tr>
<td>MOUNTING POSITION</td>
<td>Different mounting position is available</td>
</tr>
<tr>
<td>LIQUID</td>
<td>Air, Water, Oil, Acid etc.</td>
</tr>
</tbody>
</table>

# LEVEL SWITCH

**APPLICATIONS**

| LIQUID |

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>BODY</th>
<th>Brass, PP, Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTACT</td>
<td>NO/NC</td>
</tr>
<tr>
<td>CONNECTION SIZE</td>
<td>1/2”, 3/4”, 1”</td>
</tr>
<tr>
<td>TEMPERATURE</td>
<td>-25 ... 105˚C, 180˚C, 300˚C</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Liquid, Safe and Exproof Area</td>
</tr>
</tbody>
</table>

Exproof models available.

# MOTORISED AND FORK LEVEL SWITCH

**APPLICATIONS**

| SOLID | LIQUID |

**GENERAL FEATURES**

<table>
<thead>
<tr>
<th>BODY</th>
<th>Plastic, Aluminium, Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTACT</td>
<td>NO/NC</td>
</tr>
<tr>
<td>CONNECTION SIZE</td>
<td>1/2”, 3/4”, 1”</td>
</tr>
<tr>
<td>TEMPERATURE</td>
<td>-20 ... 80˚C, 115˚C</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Solid material (Cement, Ceramic, Wheat, Rice) - Liquid</td>
</tr>
</tbody>
</table>
## LEVEL TRANSMITTER

### APPLICATIONS

- **SOLID**
- **LIQUID**

### GENERAL FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE</td>
<td>PVC, Stainless Steel, PTFE</td>
</tr>
<tr>
<td>MEASURING RANGE</td>
<td>1.5 ... 6 m</td>
</tr>
<tr>
<td>ACCURACY</td>
<td>% 3</td>
</tr>
<tr>
<td>TEMPERATURE</td>
<td>0 ... 60˚C</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>CONTACT, 4-20mA output, instant level gauge</td>
</tr>
<tr>
<td>POWER SUPPLY</td>
<td>24 V DC / 220 V AC</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Liquid, solid, chemical component</td>
</tr>
</tbody>
</table>

Exproof models and Hygienic series models are available.

## PRESSURE GAUGE

### APPLICATIONS

- **LIQUID**
- **AIR**

### GENERAL FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE</td>
<td>Bourden tube, plastic body, stainless steel, panel type</td>
</tr>
<tr>
<td>MEASURING RANGE</td>
<td>0 ... 60 mbar, 1 bar ... 10.000 bar</td>
</tr>
<tr>
<td>GAUGE DIAMETER</td>
<td>Ø 63, Ø160 mm bottom connection and back connection</td>
</tr>
<tr>
<td>CONTACT</td>
<td>NO/NC, SPDT</td>
</tr>
<tr>
<td>ACCURACY</td>
<td>% 1, % 1.6</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Air, water, medical devices, petrochemical, treatment, burner, vacuum, exhaust gas, vacuum, hydraulic systems, food and beverage, various liquids, steam.</td>
</tr>
</tbody>
</table>
DIAPHRAGM PRESSURE GAUGES
TEST PRESSURE GAUGES

APPLICATIONS

GAS

GENERAL FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BODY</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>CONTACT</td>
<td>NO / NC / SPDT and display</td>
</tr>
<tr>
<td>DIAPHRAGM</td>
<td>Teflon, Stainless Steel, several applications</td>
</tr>
<tr>
<td>MEASURING RANGE</td>
<td>0 ... 25 mbar ... 400 bar, 1600 bar</td>
</tr>
<tr>
<td>DISPLAY DIAMETER</td>
<td>Ø100, Ø160mm</td>
</tr>
<tr>
<td>ACCURACY</td>
<td>%1.6, %2.5</td>
</tr>
<tr>
<td>APPLICATIONS</td>
<td>Biochemical, petrochemical, filling machines, food and beverage, water applications etc.</td>
</tr>
</tbody>
</table>

LOAD CELLS

GENERAL FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE</td>
<td>Tension/Compression Force Transducers, Ring Force Transducer, Load Beams, Shear Beams, Load Pins, Hydraulic Load Cells</td>
</tr>
<tr>
<td>OUTPUT</td>
<td>Analogue output, digital display</td>
</tr>
<tr>
<td>MEASURING RANGE</td>
<td>0,25 N......6000 KN</td>
</tr>
<tr>
<td>BODY</td>
<td>Stainless steel</td>
</tr>
</tbody>
</table>
PRESSURE SWITCHES
SMART TYPE TRANSMITTERS
DIFFERENTIAL PRESSURE SWITCHES / TRANSMITTERS

APPLICATIONS

LIQUID  GAS

GENERAL FEATURES
PRESSURE TRANSMITTER
OUTPUT _______________ 4-20 mA (on option mV)
MEASURING RANGE ___________ Vacuum, 0...8000 bar
Exproof models and hygienic models exist.

DIFFERENTIAL PRESSURE SWITCH
BODY____________________ Brass, Steel, Stainless Steel
MEASURING RANGE ___________ -1 ... 10 bar / 50 ... 400 mbar, 0-200mbar etc.
APPLICATIONS________________ Treatment, filter, filling machines, food and beverage, etc.

PRESSURE / VACUUM SWITCHES - PRESSURESTATS

GENERAL FEATURES
MEASURING RANGE ___________ -50mbar ... 0 bar, 5 ... 200 mbar 200 ... 1000 mbar, 0 ... 4, 110, 15 bar
OUTPUT _________________ NO / NC / SPDT
ADJUSTMENT ______________ Factory set and adjustable
APPLICATIONS ______________ Treatment, filter, filling machines, food and beverage, etc.
GENERAL FEATURES
Thermocouple and PT100 sensors are used for temperature detection which are selectable according to process.
There are different types of thermocouples which Fe-const, NiCr-Ni, Pt-RdPt.
Controllers: It provides instantaneous indication, switching output, SPDT switch, analogue output (4-20 mA).
Smart Transmitter: Used for temperature, level, pressure measuring.

BI-METAL THERMOMETERS AND HUMIDITY CONTROL HYGROSTATS

GENERAL FEATURES
OUTPUT __________________________ Bottom and back connection
MEASURING RANGE ________________ -200°C ... +700°C Selectable according to process. It indicates instantaneous temperature.
HUMIDITY CONTROL ______________ For indoor humidity and duct type humidity. Provide switching output.
DEVICE TMAX ________________ Max. 100°C
MEASURING RANGE ____________ %95 humidity
ELECTRO-PNEUMATIC I/P CONVERTER - E/P CONVERTER

APPLICATIONS

LIQUID ✨ GAS

GENERAL FEATURES

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Bellofram TORK-1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCURACY</td>
<td>% 0.1</td>
</tr>
<tr>
<td>POWER SUPPLY</td>
<td>24V DC, AC</td>
</tr>
<tr>
<td>INPUT SIGNAL</td>
<td>4-20 mA, 0.5V, 0-10V, 0-15V</td>
</tr>
<tr>
<td>OUTPUT PRESSURE</td>
<td>1 - 120 psi</td>
</tr>
<tr>
<td>SUPPLY PRESSURE</td>
<td>Max. 7 bar</td>
</tr>
</tbody>
</table>

PRECISION AIR AND GAS REGULATOR

APPLICATIONS

GAS

GENERAL FEATURES

<table>
<thead>
<tr>
<th>TYPE</th>
<th>GR90/GR91/GR92 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCURACY</td>
<td>% 0.5</td>
</tr>
<tr>
<td>CONNECTION SIZE</td>
<td>1/8&quot;, 1/4&quot;, 1/2&quot; BSP, NPT</td>
</tr>
<tr>
<td>FLOW RANGE</td>
<td>400 - 1150 l/min.</td>
</tr>
<tr>
<td>PRESSURE</td>
<td>27 bar / 280 bar</td>
</tr>
<tr>
<td>ADJUSTABLE PRESSURE</td>
<td>0 - 8.5 bar</td>
</tr>
<tr>
<td>APPLICATIONS</td>
<td>For air pressure adjustment</td>
</tr>
<tr>
<td></td>
<td>For LPG and natural gas</td>
</tr>
</tbody>
</table>

AIR FILTER + REGULATOR (FOR PNEUMATIC SYSTEMS) FR

APPLICATIONS

GAS

GENERAL FEATURES

| FILTER CAPACITY             | 5 mm                  |
| BODY                        | Aluminum              |
| CONNECTION SIZE             | 1/4"                  |
| TEMPERATURE                 | 70˚C                  |
| PRESSURE GAUGE CONNECTION SIZE | 1/8"               |
| OUTPUT PRESSURE             | 0 ... 8 bar           |
| INPUT PRESSURE              | 15 bar                |
GENEL ÜRÜN KATALOĞU

SOLENOİD VALFLER
PATLAÇ VALFLER
PNÖMATİK AKTÜATÖRLER
ELEKTRİK AKTÜATÖRLER
GLOB KONTROL VANALAR
PINÇ VANALAR
PİSTONLU VANALAR
ÖLÇÜ KONTROL