



## GENERAL PRODUCT CATALOGUE

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



A photograph of a large, modern industrial building with a light blue facade and a blue roof. The building has a large, white, roll-up garage door on the right side. In front of the building, there are several wooden benches and green trash bins. The sky is clear and blue. The text 'SMS-TORK' is written in large, bold, blue letters on the building's facade, with 'KONTROL VALFLERİ & OTOMASYON' written in smaller, blue letters below it.

**SMS-TORK**  
KONTROL VALFLERİ & OTOMASYON

## WITH TORK FLUID UNDER CONTROL

**SMS TORK** has been producing industrial control equipment with a registered TORK trademark since 1985.

In addition to manufacturing, **it provides process automotion 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.



*fluid under control*

30<sup>th</sup> YEAR

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



## SOLENOID VALVES

### ► S10 SERIES GENERAL PURPOSE SOLENOID VALVES (air, water, gas applications)

#### APPLICATIONS



#### GENERAL FEATURES

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



### SW1010 SERIES (THE SOLENOID VALVE IS PTFE COATED FOR THE AGGRESSIVE ENVIRONMENT WITH IP68 COIL WHICH CAN WORK UNDERWATER)

#### GENERAL FEATURES

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



IP68 coil is workable up to 72 hours and up to 10 meters underwater.

## ► S20 SERIES STEAM SOLENOID VALVES

### APPLICATIONS



### GENERAL FEATURES

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

## ► S30 SERIES VACUUM SOLENOID VALVES

### APPLICATIONS



### GENERAL FEATURES

<b>SERIES</b>	S30 (Air, water, gas applications)
<b>CONNECTION SIZE</b>	1/8" ... 2"
<b>BODY MATERIAL</b>	Brass (Core tube, plunger: Stainless Steel)
<b>DIAPHRAGM MATERIAL</b>	NBR
<b>WORKING PRESSURE</b>	-1 ... 9 bar
<b>WORKING TEMPERATURE</b>	-10 °C _ 80 °C
<b>CONNECTION</b>	BSP (NPT on request)
<b>POSITION</b>	Normally Closed (N.C.)
<b>COIL VOLTAGE</b>	230V AC, 24V, 12V, AC/DC
<b>PROTECTION CLASS</b>	IP 65, IP 68, Ex-proof Coil



## ▶ S40 SERIES FUEL OIL SERIES

### APPLICATIONS



FUEL-OIL



### GENERAL FEATURES

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

## ▶ S50 SERIES COMPRESSOR SOLENOID VALVES S81 DRAIN SOLENOID VALVES

### APPLICATIONS



OILY AIR



COMPRESSOR



### GENERAL FEATURES

<b>SERIES</b>	S50 (Compressed air applications) S81 (to drain the water automatically from the compressed tanks)
<b>CONNECTION SIZE</b>	1/8", 1"
<b>BODY MATERIAL</b>	Brass (Core tube, plunger: Stainless Steel)
<b>DIAPHRAGM MATERIAL</b>	VITON
<b>WORKING PRESSURE</b>	0 ... 100 bar / 0.5.....16 bar / 0.5.....40 bar
<b>WORKING TEMPERATURE</b>	-10°C ... 160°C
<b>CONNECTION</b>	BSP (NPT on request)
<b>POSITION</b>	Normally Closed (N.C.) / Normally Open (N.O.)
<b>COIL VOLTAGE</b>	230V AC, 110V, 24V, 12V AC/DC
<b>PROTECTION CLASS</b>	IP 65, IP 68, Ex-proof Coil



## ▶ S60 SERIES STAINLESS STEEL SERIES

### APPLICATIONS



### GENERAL FEATURES

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

## ▶ S61 AND S62 SERIES COOLING SOLENOID VALVES S96 SERIES CRYOGENIC SOLENOID VALVES

### APPLICATIONS



### GENERAL FEATURES

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

## ► SX AND SF SERIES EX-PROOF SOLENOID VALVES

### APPLICATIONS



### GENERAL FEATURES

<b>SERIES</b> _____	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)
<b>CONNECTION SIZE</b> _____	1/8" ... 2" BSP (NPT on request)
<b>BODY MATERIAL</b> _____	Brass (Core tube, plunger: Stainless Steel)
<b>DIAPHRAGM MATERIAL</b> _____	NBR (VITON, EPDM, on request)
<b>WORKING TEMPERATURE</b> _____	-10°C ... 80°C
<b>WORKING PRESSURE</b> _____	0 ... 100 bar / 0.5 ... 16 bar, 0.5 ... 12 bar
<b>POSITION</b> _____	Normally Closed (N.C.) / Normally Open (N.O.)
<b>COIL VOLTAGE</b> _____	230V AC, 110V, 48V, 24V, 12V AC DC
<b>PROTECTION CLASS</b> _____	Ex-proof coils / Zone 1 & Zone 2

## ► S84 SERIES ISOLATION SOLENOID VALVES (Aggressive fluids)

### APPLICATIONS



### GENERAL FEATURES

<b>SERIES</b> _____	S84
<b>CONNECTION SIZE</b> _____	1/8", 1/4", 3/8", 1/2", 3/4", 1" 1/4", 1 1/2" 2"
<b>BODY MATERIAL</b> _____	Brass (Core tube, plunger: Stainless Steel)
<b>DIAPHRAGM MATERIAL</b> _____	VITON
<b>WORKING PRESSURE</b> _____	-1 ... 6 bar (Changes on size)
<b>WORKING TEMPERATURE</b> _____	-10°C ... 80°C
<b>COIL VOLTAGE</b> _____	230V AC, 110V, 48V, 24V, 12V AC/DC
<b>PROTECTION CLASS</b> _____	IP 65, IP 68, Ex-proof Coil

## ► S82 SERIES GROUP SOLENOID VALVES

### APPLICATIONS



### GENERAL FEATURES

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
CONNECTION	BSP
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



### GENERAL FEATURES

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 HYDROGEN

### GENERAL FEATURES

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



## ▶ S91 SERIES PISTON TYPE SOLENOID VALVE

### APPLICATIONS



AIR WATER GAS HIGH PRESSURE

### GENERAL FEATURES

<b>SERIES</b> _____	S91
<b>CONNECTION SIZE</b> _____	1/8" ... 1"
<b>BODY MATERIAL</b> _____	Brass (Core tube, plunger: Stainless Steel)
<b>DIAPHRAGM MATERIAL</b> _____	TEFLON + NBR, TEFLON + FKM
<b>WORKING PRESSURE</b> _____	2 ... 70 bar
<b>POSITION</b> _____	Normally Closed (N.C.) / Normally Open (N.O.)
<b>COIL VOLTAGE</b> _____	230V AC, 110V, 48V, 24V, 12V AC/DC
<b>PROTECTION CLASS</b> _____	IP 65, IP 68, Ex-proof Coil



▶ 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.

▶ SPECIAL PRODUCTION SOLENOID 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.



## PULSE VALVES

### ▶ PL1010 SERIES PULSE VALVES

#### APPLICATIONS



AIR



FILTER AND DUST  
COLLECTOR

#### GENERAL FEATURES

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



## ▶ PL 1020 SERIES AIR OPERATED PULSE VALVES

### APPLICATIONS



### GENERAL FEATURES

<b>SERIES</b>	PL1020 (Bag filter and bunker)
<b>CONNECTION SIZE</b>	3/4" ... 3"
<b>BODY MATERIAL</b>	Aluminium injection
<b>DIAPHRAGM MATERIAL</b>	Neopren (VITON on request)
<b>CONNECTION</b>	BSP (NPT on request)
<b>WORKING PRESSURE</b>	0.5 ... 8 bar
<b>WORKING TEMPERATURE</b>	-20 °C ... 80 °C
<b>POSITION</b>	Normally Closed (N.C.)

## ▶ PL 1030 SERIES PULSE VALVES

### APPLICATIONS



### GENERAL FEATURES

<b>SERIES</b>	PL1030 (Bag filter and bunker)
<b>CONNECTION SIZE</b>	3/4" ... 1 1/2"
<b>BODY MATERIAL</b>	Aluminium injection
<b>DIAPHRAGM MATERIAL</b>	Neopren (VITON on request)
<b>CONNECTION</b>	Coupling
<b>WORKING PRESSURE</b>	0.5 ... 8 bar
<b>WORKING TEMPERATURE</b>	-20 °C ... 80 °C
<b>POSITION</b>	Normally Closed (N.C.)
<b>COIL VOLTAGE</b>	230V AC, 110V, 24V, 12V AC/DC
<b>PROTECTION CLASS</b>	IP 65, IP68 and EXPROOF Coil

## ▶ PL 1050 SERIES AIR OPERATED PULSE VALVES

### APPLICATIONS



### GENERAL FEATURES

<b>SERIES</b>	PL1050 (Bag filter and bunker)
<b>CONNECTION SIZE</b>	3/4" ... 1 1/2"
<b>BODY MATERIAL</b>	Aluminium injection
<b>DIAPHRAGM MATERIAL</b>	Neopren (VITON on request)
<b>CONNECTION</b>	Coupling
<b>WORKING PRESSURE</b>	0.5 ... 8 bar
<b>WORKING TEMPERATURE</b>	-20 °C ... 80 °C
<b>POSITION</b>	Normally Closed (N.C.)



## ▶ PX1010 SERIES EXPROOF PULSE VALVES

### APPLICATIONS



### GENERAL FEATURES

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

\*Exproof feature is only for coil.



▶ PULSE TANK

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

SINGLE TIME RELAY



Z-720

C-96

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

► 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



▶ 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** \_\_\_\_\_ II 2 G Ex mb IIC T4 IP67  
**VOLTAGE** \_\_\_\_\_ 230VAC, 110VAC, 24VAC, 12VAC  
 24VDC, 12VDC



### C21 EX-PROOF COIL

**PROTECTION CLASS** \_\_\_\_\_ Exx M II T4 IP65  
**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

SERIES	DESCRIPTION	PROTECTION CLASS
C80	Standard (Big)	IP65
C85	Standard (Small)	IP65
C81	Led (Big)	IP65
C86	Led (Small)	IP65
C82	PWM (Big) Energy Save Socket	IP65
C87	PWM (Small) Energy Save Socket	IP65
C90	Timer Controlled Socket	IP65

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.





## NATURAL GAS GROUP

### ► S8011 TORK GV SERIES NATURAL GAS MANUAL RESET SOLENOID VALVES

#### APPLICATIONS



SMART  
HOUSES

#### GENERAL FEATURES

<b>SERIES</b>	S8011
<b>CONNECTION SIZE</b>	3/8" ... 2"
<b>BODY MATERIAL</b>	Aluminium injection
<b>DIAPHRAGM MATERIAL</b>	NBR
<b>CONNECTION</b>	BSP (NPT on request)
<b>WORKING PRESSURE</b>	0 ... 0,5 bar
<b>WORKING TEMPERATURE</b>	-20 °C ... 80 °C
<b>COIL VOLTAGE</b>	230V AC, 110V, 24V, 12V AC/DC
<b>POSITION</b>	Normally Open (N.O.)
<b>PROTECTION CLASS</b>	IP 65, IP68 and EXPROOF coil



## ► S8086 TORK GV SERIES NATURAL GAS MANUAL RESET SOLENOID VALVES

### APPLICATIONS



SMART  
HOUSES

### GENERAL FEATURES

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



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

### APPLICATIONS



SMART  
HOUSES

### GENERAL FEATURES

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





## ► GF10 FILTER

### APPLICATIONS



SMART  
HOUSES

### GENERAL FEATURES

<b>SERIES</b>	GF10
<b>CONNECTION SIZE</b>	1/2" ... 2"
<b>BODY MATERIAL</b>	Aluminium injection
<b>DIAPHRAGM MATERIAL</b>	Synthetic fibers
<b>CONNECTION</b>	BSP (NPT on request)
<b>WORKING PRESSURE</b>	0 ... 4 bar
<b>WORKING TEMPERATURE</b>	-20 °C ... 80 °C



## ► S8010 LPG and NATURAL GAS VALVES

### APPLICATIONS



SMART  
HOUSES

### GENERAL FEATURES

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



## ► GAS ALARM DEVICES

### GENERAL FEATURES



SMART  
HOUSES



\* ATEX

GA20 Atex Class : IIG Ex mb IIB T6 Zone 1 Zone 2  
GA21 Atex Class : IIG Ex d IIB T6 Zone 1 Zone 2



## ▶ 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.





## PNEUMATIC ACTUATORS

### ▶ DOUBLE ACTING-SINGLE ACTING PNEUMATIC ACTUATORS



RA Series



RX Series



RAM Series



### GENERAL FEATURES

<b>SERIES</b>	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°
<b>SIZE</b>	RA32DA...RA350DA (double acting) / RA40SR...RA350SR (spring return)
<b>APPLICATION</b>	For On-off and Proportional Control of Ball and Butterfly Valves
<b>FEEDING PRESSURE</b>	4 - 8 Bar
<b>OUTPUT TORQUE VALUE</b>	Double Acting series: 9 Nm ... 5162 Nm / Spring return 5 Nm.... 1950 Nm
<b>BODY MATERIAL</b>	Aluminium Extrusion Cover by Hardened Eloxal or Aluminium Cast Iron
<b>SHAFT</b>	Steel (Nickel Coated), (On Request Stainless Steel)
<b>SEAL</b>	Nitrile Rubber (On Request VITON)
<b>WORKING TEMPERATURE</b>	-20°C ... 80°C (-50°C .... +80°C /-20... +150)
<b>BEDDING MATERIAL</b>	Industrial hard plastic
<b>CONTROL TYPE</b>	On - Off or Proportional Control
<b>ACTUATOR/VALVE CONNECTION</b>	ISO 5211
<b>STANDARD</b>	
<b>SOLENOID VALVE CONNECTION</b>	NAMUR 3/2 (spring return) or 5/2 (double acting)
<b>STANDARD</b>	

## ▶ 3 POSITION PNEUMATIC ACTUATORS

### GENERAL FEATURES

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



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

## ▶ 120° and 180° PNEUMATIC ACTUATORS

### GENERAL FEATURES

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



## ► SCOTCH YOKE ACTUATORS



### GENERAL FEATURES

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

## ► PNEUMATIC ACTUATOR ACCESORIES

### NAMUR SOLENOID VALVES



<b>NM SERIES</b>	1/4" - 5/2 Single or Double Coil Namur Type Solenoid Valve, 1/4" - 3/2 Single Coil Namur Type Solenoid Valve
<b>COIL VOLTAGE</b>	230V AC, 110 V, 24 V, 12V AC/DC, (IP 65 ve Ex-proof)

## ▶ PNEUMATIC ACTUATOR ACCESSORIES

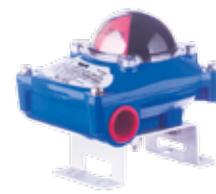
### LIMIT SWITCH BOX



LS20 Series



LS70 Series



LS10 Series

<b>LS... SERIES</b> _____	• LS10, LS20 (ATEX), LS30 (ATEX) LS80 (ATEX + NAMUR VALVE) Mechanic • Proximity
<b>SENSOR</b> _____	Mechanic Dry Contact, Proximity, ATEX Proximity
<b>APPLICATION</b> _____	Used on valves for Position Checking and Receiving Electric Signal in Rotary Type Pneumatic Actuators, (Double and Single Acting). (contact output or analogue output)
<b>CONNECTION</b> _____	NAMUR
<b>PROTECTION CLASS</b> _____	LS10 Series IP65 / LS20 Series IP67 (Ex d IIC T6, Exia IIC T6 Optional)



### POSITIONERS

<b>SERIES</b> _____	Smart ( SS2R), Electro Pneumatic (EPR), Pneumatic Pneumatic (PPR) Rotary and for linear actuators.
<b>INPUT</b> _____	4.20 mA or 0.21 1 bar (3.15 psi) (Optional 4.20 mA or mechanical output)
<b>AIR PRESSURE</b> _____	6 bar
<b>APPLICATION</b> _____	Used for Proportional Control Applications of Rotary and Linear Pneumatic Actuators

### TORK-MOR SERIES CONTROL UNIT

<b>TORQUE VALUE</b> _____	100 Nm, 450 Nm, 750 Nm, 1500 Nm, 3500 Nm, 5000 Nm, 7500 Nm
<b>APPLICATION</b> _____	The unit is used for opening the valve with hand control on Rotary Type Pneumatic Actuated Ball and Butterfly valves.



### CONDITIONER

<b>APPLICATION</b> _____	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.
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### QL VALVE LOCKS

<b>APPLICATION</b> _____	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.
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► 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** \_\_\_\_\_  
**FEEDING PRESSURE** \_\_\_\_\_  
**CONTROL OPTIONS** \_\_\_\_\_  
**WAY** \_\_\_\_\_  
**CONNECTION TYPE** \_\_\_\_\_  
**SIZE** \_\_\_\_\_  
**BODY** \_\_\_\_\_  
**SEAL** \_\_\_\_\_  
**DISC** \_\_\_\_\_  
**WORKING TEMPERATURE** \_\_\_\_\_

PN10 PN16  
 4-8 BAR  
 ON-OFF / PROPORTIONAL (WITH POSITIONER)  
 2/2  
 WAFER, LUG  
 DN25...DN600  
 GG 25, GGG 40-50  
 EPDM, NBR, NR, EPDM HT, SILICON/VITON, TEFLON  
 AISI304, TEFLON COATED AISI304  
 -30°C\_+180°C

## ▶ PNEUMATIC ACTUATED BRASS AND STAINLESS STEEL BODY BALL VALVES



### APPLICATIONS



### GENERAL FEATURES

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

## ▶ PNEUMATIC ACTUATED PVC BODY VALVES

### APPLICATIONS



### GENERAL FEATURES

<b>WORKING PRESSURE</b>	_____	PN6 PN13
<b>FEEDING PRESSURE</b>	_____	4-8 BAR
<b>CONTROL OPTIONS</b>	_____	ON - OFF / PROPORTIONAL (WITH POSITIONER)
<b>WAY</b>	_____	2/2 3/2
<b>CONNECTION TYPE</b>	_____	BSP SCREWED, PASTING CONNECTION
<b>SIZE</b>	_____	1/2" ... 4" DN20...DN110
<b>BODY</b>	_____	U PVC
<b>SEAL</b>	_____	EPDM, VITON
<b>WORKING TEMPERATURE</b>	_____	-10°C_80°C

## ► PNEUMATIC ACTUATED MONOBLOCK BALL VALVES

### APPLICATIONS



PETRO  
CHEMICAL



NATURAL GAS,  
LPG



PAINT  
INDUSTRY



LPG FILLING  
STATIONS



### GENERAL FEATURES

WORKING PRESSURE	PN40
FEEDING PRESSURE	4-8 BAR
CONTROL OPTIONS	ON-OFF/ PROPORTIONAL (WITH POSITIONERS)
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 BALL VALVES

### APPLICATIONS



PETRO  
CHEMICAL



NATURAL GAS,  
LPG



PAINT  
INDUSTRY



LPG FILLING  
STATIONS

### GENERAL FEATURES

WORKING PRESSURE	PN16 PN40
FEEDING PRESSURE	4-8 BAR
CONTROL OPTIONS	ON-OFF / PROPORTIONAL (WITH POSITIONER)
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



## ▶ PNEUMATIC ACTUATED PLUG VALVES

### APPLICATIONS



CEMENT,  
CONCRETE and  
LIME



SOIL AND  
CERAMIC



WATER  
TREATMENT

### GENERAL FEATURES

WORKING PRESSURE	PN10
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" ... 4" DN15...DN100
BODY	PIG CAST IRON, SPHERO CAST IRON, STEEL CAST IRON, STAINLESS STEEL, BRONZE
SEAL	METAL TO METAL SEAL
WORKING TEMPERATURE	-30°C_200°C



## ▶ ELECTRIC ACTUATORS



**ATEX**



REA 150 Series



REA 60 Series



REA 80

### GENERAL FEATURES

SERIES	REA
SIZE	REA 40...REA3000 DA
APPLICATIONS	On-off and control of ball and butterfly valve
FEEDING VOLTAGE	230V AC, 380V AC, 24V AC/DC, 4-20mA Proportional control
OUTPUT TORQUE VALUE	40 Nm....3000 Nm ( 24V DC de maksimum 150 Nm)
BODY MATERIAL	Aluminium Injection
PROTECTION CLASS	IP 65 IP 67 (Against to moisture, heater inside of engine.)
OPEN-CLOSE TIME	12...112 sec (Changes up to models.)
ENGINE TYPE	Reversible engine can be rotated in opposite way on request.
LIMIT AND TORK SWITCH	There are 2 position switches on all product as standard. Against to overload, there is tork switch for protection.
LOCAL INDICATOR	Standard on all products.
CONTROL TYPE	On - Off or proportional control
ACTUATOR / VALVE CONNECTION STANDART	ISO 5211
AMBIENT TEMPERATURE	-20°C_70°C

## ▶ 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	WAFER, LUG
SIZE	DN25...DN600
BODY	GG 25, GGG 40-50
SEAL	EPDM, NBR, NR, EPDM HT, SILICON, VITON, TEFLON
DISC	AISI304, TEFLON COATED AISI304
WORKING TEMPERATURE	-30°C_180°C

## ▶ ELECTRIC ACTUATED BRASS and STAINLESS STEEL BODY BALL VALVES



### APPLICATIONS



### GENERAL FEATURES

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

## ▶ ELECTRIC ACTUATED MONOBLOCK BALL VALVES

### APPLICATIONS



### GENERAL FEATURES

<b>WORKING PRESSURE</b>	_____	PN40
<b>FEEDING VOLTAGE</b>	_____	230V AC, 380V AC, 24V AC/DC, 4-20mA Proportional Control
<b>CONTROL OPTIONS</b>	_____	ON OFF / PROPORTIONAL
<b>WAY</b>	_____	2/2 3/2
<b>CONNECTION TYPE</b>	_____	FLANGED
<b>SIZE</b>	_____	DN15...DN100
<b>BODY</b>	_____	CARBON STEEL, AISI 316/304 STAINLESS STEEL
<b>SEAL</b>	_____	PTFE
<b>BALL</b>	_____	AISI 316
<b>WORKING TEMPERATURE</b>	_____	-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

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



## ► PNEUMATIC PISTON VALVES

### APPLICATIONS



AIR



WATER



GAS



STEAM



-50°C  
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



PP1020

PP1060

PP1040

PP1016

### GENERAL FEATURES

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

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

## ▶ ECONOMIC PNEUMATIC PISTON VALVES

### APPLICATIONS



PP1030

PP1090

PP1050

### GENERAL FEATURES

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

► PNEUMATIC PISTON VALVE ACCESSORIES



PPL SERIES LINEER 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



**MULTI-TURN  
ELECTRIC ACTUATORS**

**APPLICATIONS**



**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)



## MEASUREMENT CONTROL GROUP

### ▶ PLASTIC AND GLASS VARIABLE AREA FLOWMETER

#### APPLICATION



#### GENERAL FEATURES

BODY	Trogamid or Polysulfone, Glass Tube
FLOW RANGE	0,1 l/h ... 60 m <sup>3</sup> /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



#### GENERAL FEATURES

BODY	Stainless steel, AISI 316
FLOW RANGE	0.1 l/h ... 1000 m <sup>3</sup> /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



LIQUID

### GENERAL FEATURES

<b>BODY</b> _____	PP, PTFE, PVDF, Hard Rubber Coated
<b>FLOW RANGE</b> _____	5-200 l/h ... 150-7000 m <sup>3</sup> /h
<b>CONNECTION SIZE</b> _____	DN15 ... DN500 Wafer, Flange, Threaded, Clamp and Insert Type
<b>OUTPUT</b> _____	Instant and Total Flow, 4-20mA or Pulse output
<b>LIQUID</b> _____	Conductive Liquid (Independence of Viscosity and density)



## ▶ GEAR WHEEL, SCREW AND TURBINE FLOWMETER

### APPLICATIONS



LIQUID



AIR



### GENERAL FEATURES

<b>BODY</b> _____	Brass, Stainless Steel, PPS, PVDF, Acrylic
<b>FLOW RANGE</b> _____	0.02 l/min....150 l/min.
<b>DIGITAL DISPLAY</b> _____	Instant Flow and Optional + Digital Flow 4-20 mA Output
<b>LIQUID</b> _____	Water, Air, Oil Alkalis, High Viscosity Liquids, High pressure (PN 300 max.)



## ▶ FLOW SWITCH (PEDAL AND PISTON TYPE)

### APPLICATIONS



### GENERAL FEATURES

<b>BODY</b> _____	Brass, Stainless steel, Plastic
<b>CONNECTION SIZE</b> _____	(1/8" ... 1") or DN15 ... DN200 size
<b>TEMPERATURE</b> _____	Max. 125 °C, 350 °C (optional)
<b>CONTACT</b> _____	Reed contact, SPDT or display type, exproof type
<b>MOUNTING POSITION</b> _____	Different mounting position is available
<b>LIQUID</b> _____	Air, Water, Oil, Acid etc.

## ▶ LEVEL SWITCH

### APPLICATIONS



### GENERAL FEATURES

<b>BODY</b> _____	Brass, PP, Stainless Steel
<b>CONTACT</b> _____	NO/NC
<b>CONNECTION SIZE</b> _____	1/2", 3/4", 1"
<b>TEMPERATURE</b> _____	-25 ... 105 °C, 180 °C, 300 °C
<b>APPLICATION</b> _____	Liquid, Safe and Exproof Area

Exproof models available.

## ▶ MOTORISED AND FORK LEVEL SWITCH

### APPLICATIONS



### GENERAL FEATURES

<b>BODY</b> _____	Plastic, Aluminium, Stainless Steel
<b>CONTACT</b> _____	NO/NC
<b>CONNECTION SIZE</b> _____	1/2", 3/4", 1"
<b>TEMPERATURE</b> _____	-20 ... 80 °C, 115 °C
<b>APPLICATION</b> _____	Solid material (Cement, Ceramic, Wheat, Rice) - Liquid

## ▶ LEVEL TRANSMITTER

### APPLICATIONS



### GENERAL FEATURES

TYPE	PVC, Stainless Steel, PTFE
MEASURING RANGE	1.5 ... 6 m
ACCURACY	% 3
TEMPERATURE	0 ... 60 °C
OUTPUT	CONTACT, 4-20mA output, instant level gauge
POWER SUPPLY	24 V DC / 220 V AC
APPLICATION	Liquid, solid, chemical component

Exproof models and Hygienic series models are available.

## ▶ PRESSURE GAUGE

### APPLICATIONS



### GENERAL FEATURES

TYPE	Bourden tube, plastic body, stainless steel, panel type
MEASURING RANGE	0 ... 60 mbar, 1 bar ... 10.000 bar
GAUGE DIAMETER	Ø 63, Ø160 mm bottom connection and back connection
CONTACT	NO/NC, SPDT
ACCURACY	% 1, % 1.6
APPLICATION	Air, water, medical devices, petrochemical, treatment, burner, vacuum, exhaust gas, vacuum, hydraulic systems, food and beverage, various liquids, steam.



▶ DIAPHRAGM PRESSURE GAUGES  
TEST PRESSURE GAUGES

APPLICATIONS



GAS



GENERAL FEATURES

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

▶ LOAD CELLS



GENERAL FEATURES

TYPE	Tension/Compression Force Transducers, Ring Force Transducer, Load Beams, Shear Beams, Load Pins, Hydraulic Load Cells
OUTPUT	Analogue output, digital display
MEASURING RANGE	0,25 N.....6000 KN
BODY	Stainless steel



▶ **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.



## ► THERMOCOUPLES AND DIGITAL INDICATING CONTROLLERS



### 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

TYPE	Bellofram TORK-1000
ACCURACY	% 0.1
POWER SUPPLY	24V DC, AC
INPUT SIGNAL	4-20 mA, 0.5V, 0-10V, 0-15V
OUTPUT PRESSURE	1 - 120 psi
SUPPLY PRESSURE	Max. 7 bar

## ▶ PRECISION AIR AND GAS REGULATOR

### APPLICATIONS



GAS

### GENERAL FEATURES

TYPE	GR90/GR91/GR92 Series
ACCURACY	% 0.5
CONNECTION SIZE	1/8", 1/4", 1/2" BSP, NPT
FLOW RANGE	400 - 1150 l/min.
PRESSURE	27 bar / 280 bar
ADJUSTABLE PRESSURE	0 - 8.5 bar
APPLICATIONS	For air pressure adjustment For LPG and natural gas



## ▶ AIR FILTER + REGULATOR (FOR PNEUMATIC SYSTEMS) FR

### APPLICATIONS



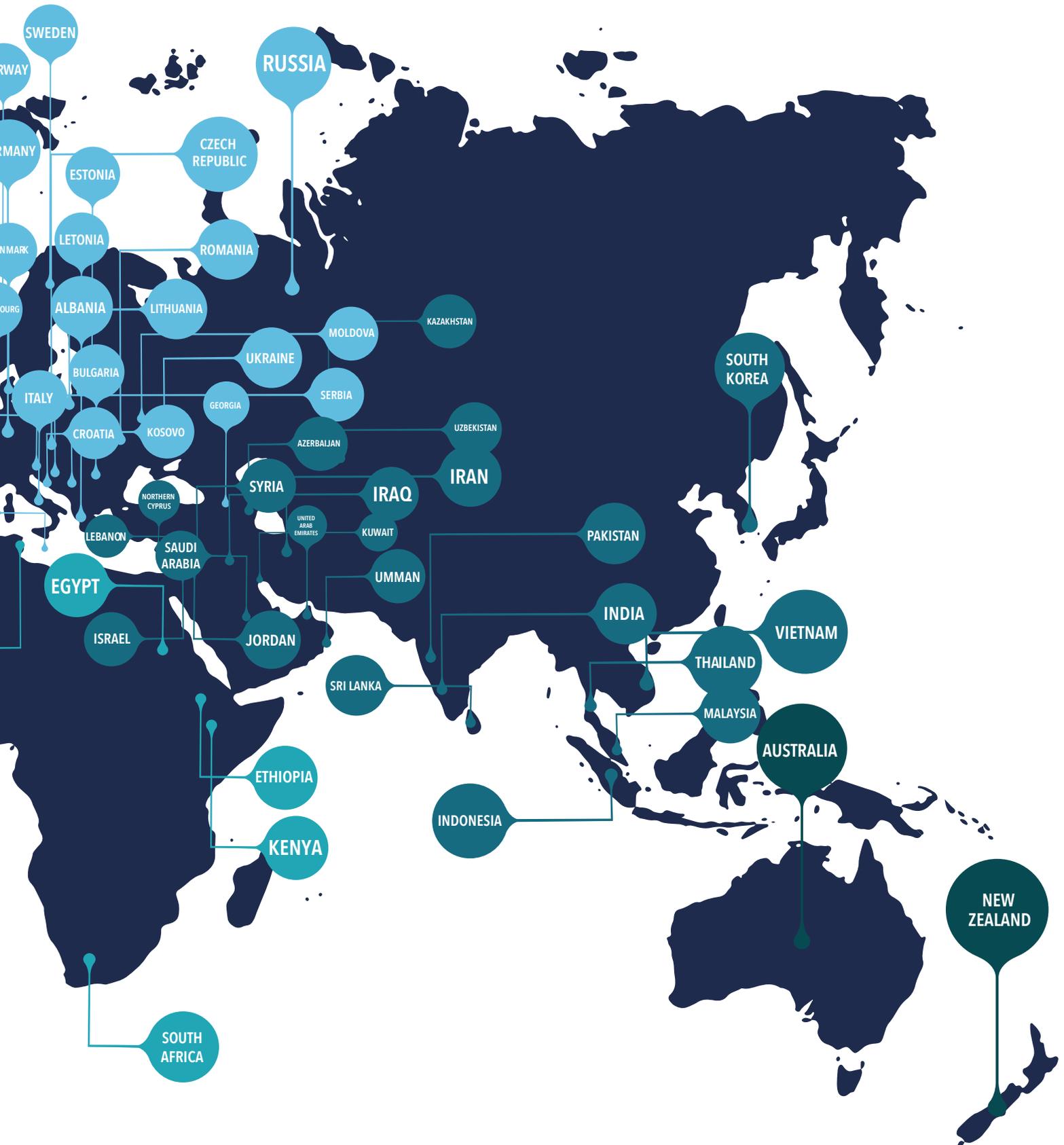
GAS

### 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







# tork

valve & automation

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