



VALVES AND ACTUATORS

- PRODUCT OVERVIEW



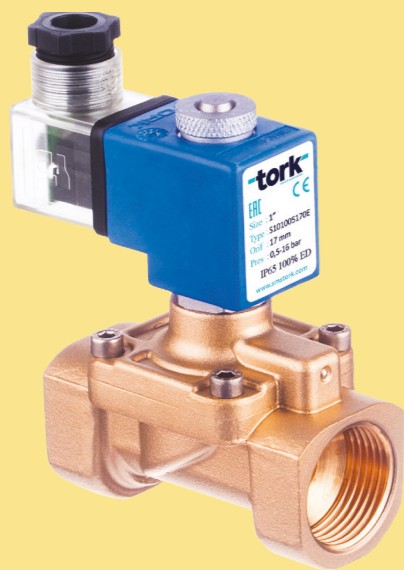
INSTRUMENTS
VALVES

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SOLENOID VALVES

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

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

SW1010 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



GENERAL FEATURES

SERIES	S20 (Steam and hot water applications)
CONNECTION SIZE	1/8" ... 2"
BODY MATERIAL	Brass (Core tube, plunger: Stainless Steel)
DIAPHRAGM MATERIAL	VITON TEFLON
WORKING PRESSURE	0 ... 5 bar / 0.5 ... 5 bar (1 1/4"-2" 3 Bar)
WORKING TEMPERATURE	160 °C
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



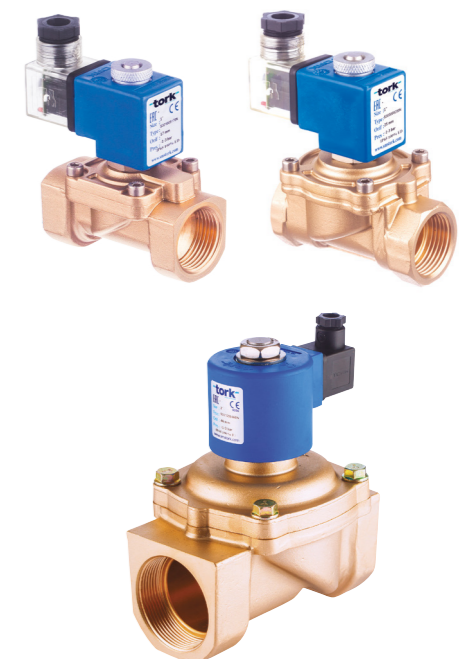
► S30 SERIES VACUUM SOLENOID VALVES

APPLICATIONS



GENERAL FEATURES

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



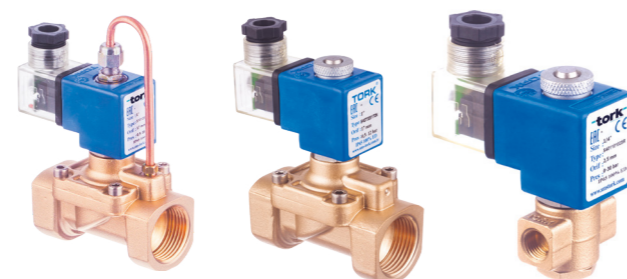
► S40 SERIES FUEL OIL SERIES

APPLICATIONS



GENERAL FEATURES

SERIES	S40 (Fuel Oil, gas, boiler, diesel and hydraulic oil applications)
CONNECTION SIZE	1/8" ... 2"
BODY MATERIAL	Brass (Core tube, plunger: Stainless Steel)
DIAPHRAGM MATERIAL	VITON
WORKING PRESSURE	0-100bar / 0.5-16 bar / 0.5-40 bar
WORKING TEMPERATURE	-10 °C ... 160 °C
CONNECTION	BSP (NPT on request)
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 Exproof Coil



► SS10 SERIES STAINLESS STEEL SERIES

APPLICATIONS



GENERAL FEATURES

SERIES	SS10 (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



► S50 SERIES COMPRESSOR SOLENOID VALVES S81 DRAIN SOLENOID VALVES

APPLICATIONS



GENERAL FEATURES

SERIES	S50 (Compressed air applications) S81 (to drain the water automatically from the compressed tanks)
CONNECTION SIZE	1/8", 1"
BODY MATERIAL	Brass (Core tube, plunger: Stainless Steel)
DIAPHRAGM MATERIAL	VITON
WORKING PRESSURE	0 ... 100 bar / 0.5...16 bar / 0.5...40 bar
WORKING TEMPERATURE	-10 °C ... 160 °C
CONNECTION	BSP (NPT on request)
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



► S61 AND S62 SERIES COOLING SOLENOID VALVES S96 SERIES CRYOGENIC SOLENOID VALVES

APPLICATIONS



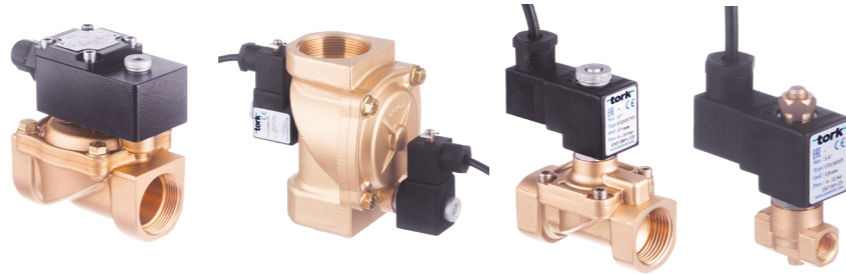
GENERAL FEATURES

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

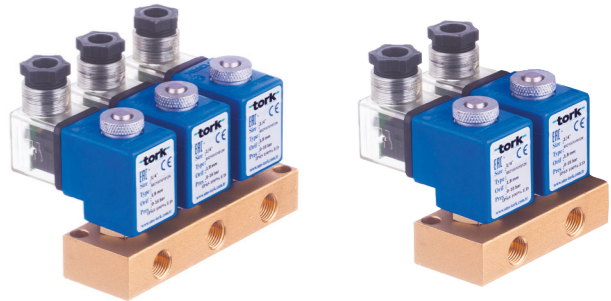


GENERAL FEATURES

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

► 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

► S84 SERIES ISOLATION SOLENOID VALVES (Aggressive fluids)

APPLICATIONS

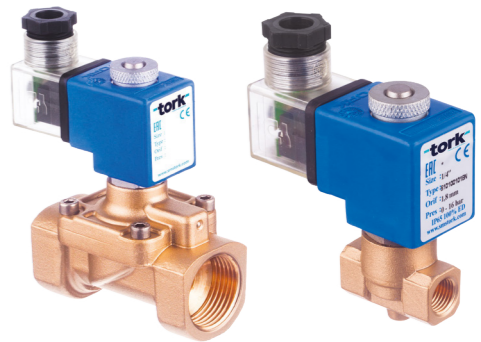


GENERAL FEATURES

SERIES	S84
CONNECTION SIZE	1/8", 1/4", 3/8", 1/2", 3/4", 1" 1/4", 1 1/2" 2"
BODY MATERIAL	PVC
DIAPHRAGM MATERIAL	VITON
WORKING PRESSURE	-1 ... 6 bar (Changes on size)
WORKING TEMPERATURE	-10 °C ... 80 °C
COIL VOLTAGE	230V AC, 110V, 48V, 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

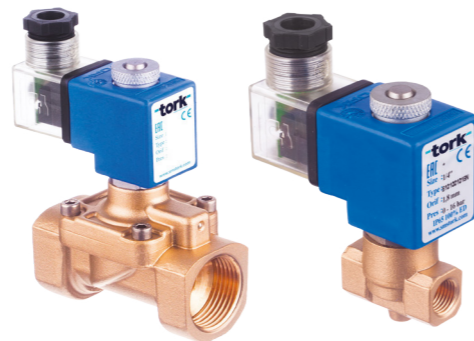
► S88 SERIES OXYGEN AND HYDROGEN SOLENOID VALVES

APPLICATIONS



GENERAL FEATURES

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



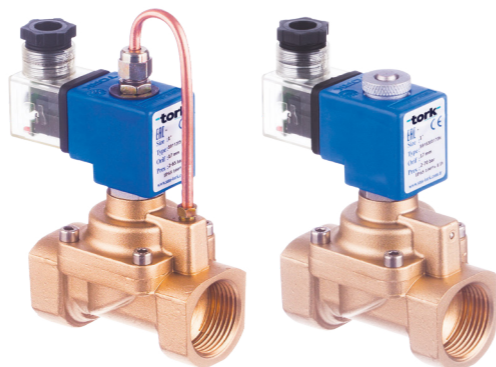
► S91 SERIES PISTON TYPE SOLENOID VALVE

APPLICATIONS



GENERAL FEATURES

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



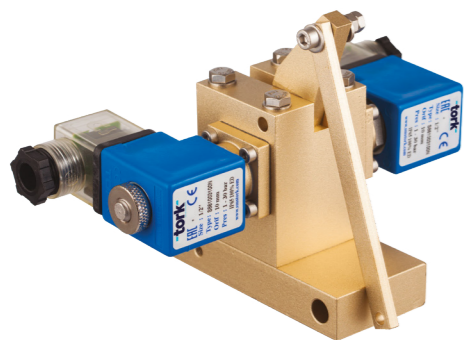
► MK1 SERIES MAGNETIC LOCK

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



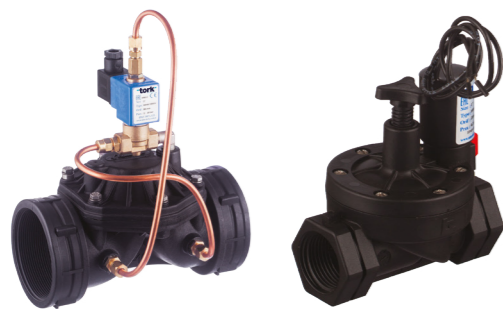
► PNEUMATIC SOLENOID VALVE

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.



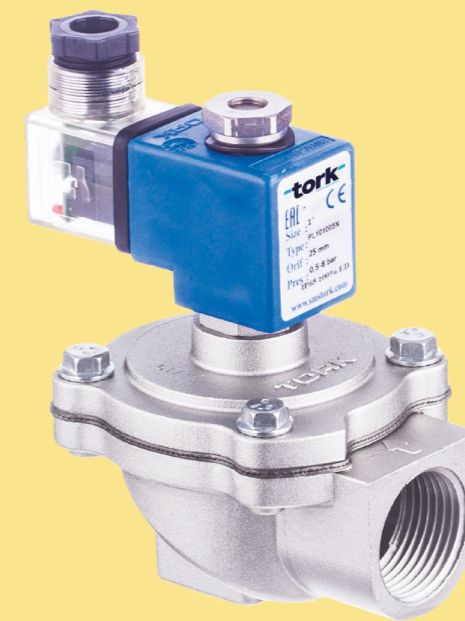
► VESSEL HORN SOLENOID VALVES

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

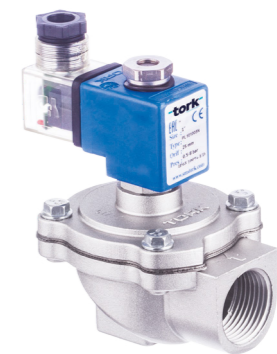
► PL1010 SERIES PULSE VALVES

APPLICATIONS



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 1050 SERIES AIR OPERATED PULSE VALVES

APPLICATIONS



GENERAL FEATURES

SERIES	PL1050 (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.)



► PL 1030 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



► PX1010 SERIES EXPROOF PULSE VALVES

APPLICATIONS



GENERAL FEATURES

SERIES	PX1010 (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	220V, 110V, 24V, 12V, AC/DC
POSITION	Normally Closed (N.C.)
PROTECTION CLASS	EX-PROOF coil* m and d protection class



*Exproof feature is only for coil.

► PULSE TANK

APPLICATIONS



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.



*Please indicate control solenoid valve amount and tube connection diameter to bunker in order.

► PULSE VALVES ACCESSORIES



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

SINGLE TIME RELAY



PULSE VALVE DIAPHRAGMS



► 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 & “O” 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



GENERAL FEATURES

SERIES	S8011
CONNECTION SIZE	3/8" ... 2"
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 Open (N.O.)
PROTECTION CLASS	IP 65, IP68 and EXPROOF coil



► 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

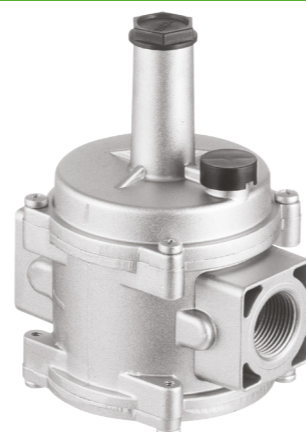
APPLICATIONS



SMART
HOUSES

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



SMART
HOUSES

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



SMART
HOUSES

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



SMART
HOUSES

GENERAL FEATURES

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



► S8010 LPG and NATURAL GAS VALVES

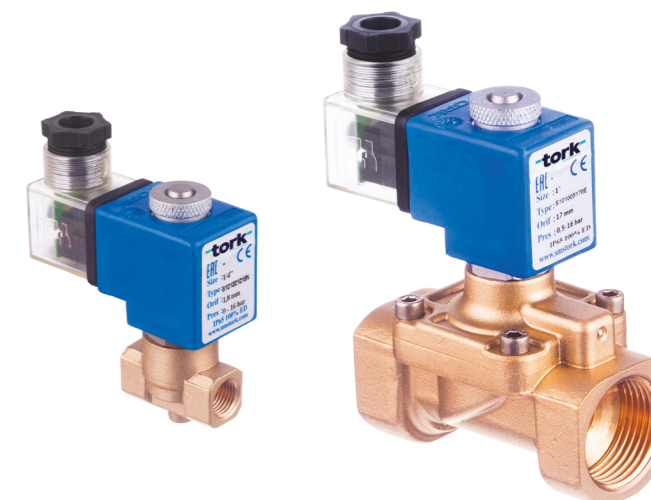
APPLICATIONS



SMART
HOUSES

GENERAL FEATURES

SERIES	S8010
CONNECTION SIZE	1/8" ... 1"
BODY MATERIAL	Brass
DIAPHRAGM MATERIAL	NBR
CONNECTION	BSP (NPT on request)
WORKING PRESSURE	0 ... 9 bar / 1 ... 16 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 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



-50°C



ATEX

GENERAL FEATURES

SERIES	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°
SIZE	RA32DA...RA350DA (double acting) / RA40SR...RA350SR (spring return)
APPLICATION	For On-off and Proportional Control of Ball and Butterfly Valves
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	
SOLENOID VALVE CONNECTION	NAMUR 3/2 (spring return) or 5/2 (double acting)
STANDARD	

► 3 POSITION PNEUMATIC ACTUATORS

GENERAL FEATURES

SERIES	RA...3P
SIZE	RA403P...RA1203P
APPLICATION	For On - Off Control of Ball and Butterfly Valves
FEEDING PRESSURE	4 - 8 Bar
OUTPUT TORK VALUE	18-330 Nm
BODY MATERIAL	Aluminium Extrusion Cover by Hardened Eloxal
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 MATERIALS	Industrial Hard Plastic
CONTROL TYPE	On-off Control
ACTUATOR/VALVE CONNECTION STANDARD	ISO 5211
SOLENOID VALVE CONNECTION STANDARD	NAMUR



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

► 120° and 180° PNEUMATIC ACTUATORS

GENERAL FEATURES

SERIES	RA...2D (120°) RA...8D (180°)
SIZE	RA402D/8D...RA1202D/8D
APPLICATION	For On-Off and Proportional Control of Ball, Butterfly, Direction Discs and Dampers
FEEDING PRESSURE	4 - 8 Bar
OUTPUT TORQUE VALUE	18-330 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 MATERIALS	Industrial Hard Plastic
CONTROL TYPE	On-Off or Proportional Control
ACTUATOR/VALVE CONNECTION STANDARD	ISO 5211



► SCOTCH YOKE ACTUATORS

GENERAL FEATURES

SERIES	RSY...DA (double acting), RSY...SR (spring return) / Standard series
SIZE	RSY40DA...RSY200DA (Double Acting) / RSY40SR...RSY200SR (Spring Return)
APPLICATION	For On-Off and Proportional Control of Ball and Butterfly Valves
FEEDING PRESSURE	4 - 8 Bar
OUTPUT TORQUE VALUE	DA serisi: 11 Nm ... 4820 Nm / Tek etkili 4 Nm.... 1260 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
BEDDING MATERIALS	Industrial hard plastic
CONTROL TYPE	On - Off or Proportional Control
ACTUATOR/VALVE CONNECTION STANDARD	ISO 5211
SOLENOID VALVE CONNECTION STANDARD	NAMUR 3/2 (spring return) or 5/2 (double acting)



► PNEUMATIC ACTUATOR ACCESORIES

NAMUR SOLENOID VALVES

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



► PNEUMATIC ACTUATOR ACCESSORIES

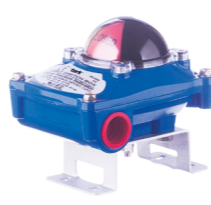
LIMIT SWITCH BOX



LS20 Series



LS70 Series



LS10 Series

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 1 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, TEFLON
DISC _____ AISI304, TEFLON COATED AISI304
WORKING TEMPERATURE _____ -30°C_+180°C

► PNEUMATIC ACTUATED BRASS AND STAINLESS STEEL BODY BALL VALVES



APPLICATIONS



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



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	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



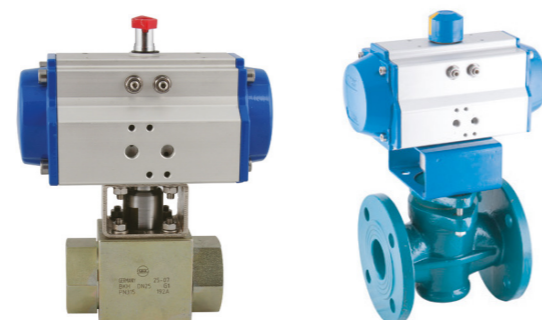
GENERAL FEATURES

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



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

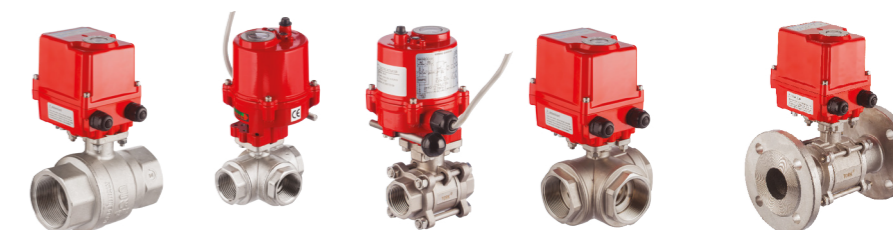


GENERAL FEATURES

SERIES	TREA
SIZE	TREA 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



► ELECTRIC ACTUATED BRASS and STAINLESS STEEL BODY BALL VALVES



APPLICATIONS



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	TEFLON
WORKING TEMPERATURE	-30°C_180°C

► ELECTRIC ACTUATED MONOBLOCK BALL VALVES

APPLICATIONS



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



► ELECTRIC ACTUATED CARBON STEEL and SPHERO CAST IRON STEEL BALL VALVES

APPLICATIONS



PETRO
CHEMICAL



NATURAL GAS,
LPG



DYE
INDUSTRY

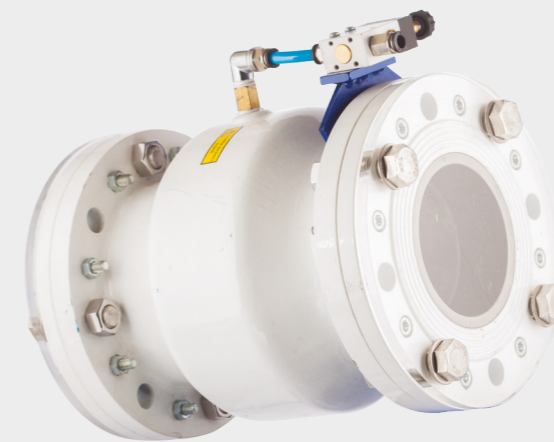


LPG FILLING
STATIONS



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



IRON - STEEL



SUGAR



NUTRITION



PETRO
CHEMICAL



ENERGY



PAINT
CHEMICAL
INDUSTRY



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



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



DAMPERS FOR
PROPORTIONAL and
ON -OFF CONTROL
with ELECTRIC



PP1020



PP1016

► HIGH PERFORMANCE PNEUMATIC PISTON VALVES

APPLICATIONS



PP1020

PP1060

PP1040

PP1016

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



PP1030

PP1090

PP1050

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 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



MULTI-TURN
ELECTRIC ACTUATORS

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)

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INSTRUMENTS
VALVES