



PARTH ENTERPRISES

let us explore
the wide
range of
valves, actuators
and
piping systems.

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PARTH ENTERPRISES

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BALL VALVES

BALL VALVES

Floating Ball Valves



Nominal Diameter (mm)	Pressure Class	End Configurations
15 to 50	#600, 800, 900 #1500, 2500	SE, SWE, BWE
65 to 150	#300	SE, SWE, BWE
15 to 250	#150, 300	FE, BWE
15 to 100	#600, 900, 1500 #2500	FE, BWE

Trunnion Mounted Ball Valves



Nominal Diameter (mm)	Pressure Class	End Configurations
15 to 750	#150, 300	FE, BWE
50 to 600	#600, 900 #1500	FE, BWE
25 to 300	#2500	FE, BWE

Bellows Sealed Globe Valves



Nominal Diameter (mm)	Pressure Class	End Configurations
15 to 50	#600, 800	SE, SWE, BWE
15 to 300	#150, 300, 600	FE, BWE

Globe Valves for Chlorine Service



Nominal Diameter (mm)	Pressure Class	End Configurations
15 to 300	#150, 300, 600	FE, BWE

Knife Edge Gate Valves



Nominal Diameter (mm)	Pressure Class	End Configurations
50 to 750	PN 6 PN10	Wafer Wafer Flange

* SE: Screwed ends * BWE: Butt Weld ends *FE: Flanged ends

BALL VALVE RANGE ALSO INCLUDES: Cryogenic, jacketed, 3-way, metal seated, and high temperature versions.

Valves can be supplied with gear, pneumatic, gas over oil, or electric actuators.

MATERIALS OF CONSTRUCTION: Castings from ISO 9001 certified foundries in WCB, LCB, CF8, CF8M, CN7M, duplex alloys and nickel alloys. Forgings in A105 and LF2.

OTHER IN-HOUSE CAPABILITIES: Stellite overlay by TIG, pup welding by TIG, and SMAW, and grinding and lapping of balls and seats.

BUTTERFLY VALVES

Material of Construction

Size : DN040 to DN1200

Body

- ▶ Cast Iron ASTM A126 Class B
- ▶ Ductile Iron ASTM A536 Grade 65-45-12
- ▶ Carbon Steel ASTM A 216 WCB

Disc

- ▶ Nylon 12 Coated Ductile Iron ASTM A536 Grade 65-45-12
- ▶ DI ASTM A 536 Grade 65-45-12 + Aroxy coated
- ▶ 316 Stainless Steel ASTM A351 Grade CF8M
- ▶ Aluminum Bronze ASTM B148-C95400

Stem

- ▶ 410 Stainless Steel ASTM A479 Type 410
- ▶ 316 Stainless Steel ASTM A276 Type 316
- ▶ Carbon Steel BS 970

Seat

- ▶ EPDM - Food Grade
- ▶ Buna-N-Food Grade
- ▶ White Buna-N-Food Grade
- ▶ Viton® /FKM-Food Grade
- ▶ Silicone



Operators

Valves upto size 12" can be supplied with lever handles for manual operation. Optional accessories for hand-lever operation can be provided for various flow control requirements. pad locking can also be provided for preventing unauthorized operation.



All Valves can be direct mounted with pneumatic actuators or electric actuators and accessories for complete automation options such as fail open/close & positioner controlled. Valves can be mounted with manual overrides.



Valves upto size 24" can be direct mounted with gear operators for manual operation. Gear operators can also be attached with chain-wheel operators for opening or closing valves located on pipeline at high elevations.



BUTTERFLY VALVES

DIAPHRAGM PUMPS



DEPA

Air Operated Diaphragm Pumps

- ▶ Very low shearing of pumping media, chemical bonding of color remains intact, good color quality.
- ▶ Viscous media can be easily pumped, no danger of Motor overloading / burning / dry running of pump.
- ▶ Suspended solids can also be pumped without damage.
- ▶ Lubricant free air control units, Less pollution, Less space occupation.
- ▶ No mechanical seal required for handling aggressive media, Easy for maintenance.

- ▶ Port sizes available from 1/2" to 3".
- ▶ Capacity upto 42 M³ / Hr. Discharge Pressure upto 7 Bar
- ▶ Entrained solids upto 25mm diameter
- ▶ Pumps with internal or external air valve options.
- ▶ Wide variety of Material of constructions.
- ▶ Certificate of acceptance/compliance from EHEDG (Hygienic applications), 3A (Sanitary applications), ATEX (Hazardous applications), FDA (Food applications)



Pneumatic Actuators

Designed to meet industrial demand for efficient, high integrity, diaphragm valve actuation with the benefits of a lightweight, compact and cost-effective construction.

Pneumatic Diaphragm Valve Actuators

Cost saving remote control for weir or straight through diaphragm valves

- ▶ Safe opening or closing and double acting models.
- ▶ Suitable to line/operating Pressures and Valve size for reduced outlay, minimum running costs.
- ▶ For reduced outlay, minimum running costs.



Weir Type 'A' Diaphragm Valves



Straight through Type KB Diaphragm Valves



WEIR TYPE & STRAIGHT THROUGH DIAPHRAGM VALVES

A unique design, sealed from the service and proofed against corrosion and erosion in hostile environment, operating both on pressure & vacuum.

DIAPHRAGMS

Scientifically designed and engineered to meet most stringent process conditions on valves DN 8 to DN350 and to handle a wide variety of fluids with total security.

ACTUATORS

Features

1. Travel Stops :

Two external travel stops permit adjustments of +/-5 degree.

Note : Travel stops are located on end caps on size 045 only.

2. Bearings :

Top quality bearings and seals for low friction and high cycle life to ensure trouble free operation. Same bearings are used for both high and low temperature operations.

3. Spring Cartridges :

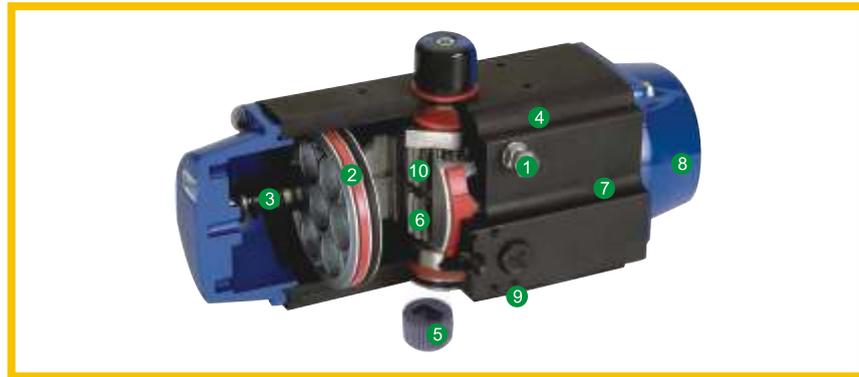
Modular pre-loaded spring cartridges with metal spring guides for use in both high and low temperature applications.

4. Extruded Aluminum Body :

Hard anodized extruded aluminum body with honed internal surface for strength, high cycle life, and low frictional resistance.

5. Shaft Insert :

Unique output shaft insert can be selected from a variety of standard sizes, including double D, ISO square,



and round and keyed, or can be custom designed to fit any output shaft configuration.

6. Blow-Out Proof Shaft :

Guide bar in pistons provides an inherent blow-out proof shaft design.

7. Dual Rack and Pinion Design :

Dual rack and pinion design offers double acting and fail safe operations in same body. Reverse rotation can be accomplished by simply inverting the pistons.

8. End Caps :

Standard end caps are rounded with no crevices to accumulate

contamination.

Optional end caps are available to provide 100% stroke adjustment in one direction.

9. Actuator Mounting :

Manufactured in full compliance with the latest requirements of EN ISO 5211, with provisions for mounting solenoid valves and accessories, comply with NAMUR VDI / VDE 3845.

10. Alloy Steel Shaft :

High strength alloy steel shaft with electrolysis nickel plating protection for maximum wear and corrosion resistance.

Kron Product

View Glass - Model KT01



Features

- ▶ Circular wiper sight glass.
- ▶ Size from 2" to 6", in SS316L MOC.
- ▶ Designed as per ANSI, cGMP norms and pharma/food hygenic standard.
- ▶ Suitable for vacuum and 6 bar (g) pressure.
- ▶ E/P surface and food grade gasket.

Application

Process vessel, mixer, blender, reactors, condensers suitable for manual cleaning to have clear view of the process when process liquid is opaque, solid content etc.

Aseptic Pressure Modulating Valve - APM



Features

- ▶ Designed in MOC SS316L contact parts.
- ▶ Operating temp. 95°C, pressure 7 bar (g)
- ▶ Size from 25mm to 76mm
- ▶ Connections SMS IDF, TC and flanged available.
- ▶ Pneumatically Operated, modulating type.

Application

Dairy, food, beverages, brewery, pharma process plant to regulate back pressure in hygenic condition.

Puriflux System-model KT05



Features

- ▶ Designed as per cGMP norms, Hygenic.
- ▶ MOC SS316L, electropolished
- ▶ No main loop required to run up to consumption point.
- ▶ Various sizes available as per consumption.
- ▶ No welded parts venturi.
- ▶ Low capital cost.

Application

Distribution of DM water, purified water and WFI water in continuous flow at consumption points in pharma, health care industries.

Kronetech - Steri Sample Valve Model KT-02



Features

- ▶ Designed in SS316L construction
- ▶ Suitable upto 4kg/cm²(g) pressure and 130°C temp.
- ▶ Fully sterilisable, hygenic in condition.
- ▶ 'O' ring EPDM food grade.
- ▶ Size : 25mm DIN port welded on vessel/tank surface.

Application

Sterilisable sampling from vessels, fermenters in Pharma, food, beverage,

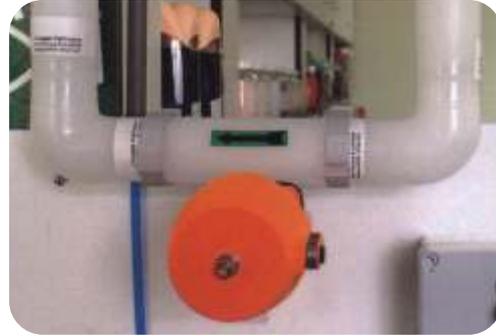
Beer industries, sampling for physio-chemical/micro iological analysis.

PIPING SYSTEMS

Throughout the world everyone demands a secure supply of clean water. We have developed systems comprising of pipe, fittings, valves and measuring and control devices in high quality corrosion resistant thermoplastics for the transport of not only clean water, but also gas and other industrial media.



Process piping system for biological fluids



Pharmaceutical water distribution

Chemical distribution



Vacuum System



Plastic can do more :

No corrosion problems. The corrosion problems, which ordinarily occur with steel, are not an issue with plastic. Product purity and production reliability are thus guaranteed. And the longer service life of your systems as well.

Fast and simple installation. Lightweight plastics and a variety of jointing techniques perfected to your application reduce installation time. By starting your production process sooner, you save on costs as well.

Easy cleaning and sanitizing. For your hygienic applications, we recommend the bead and crevice-free fusion technique. The smooth inner surfaces enable efficient cleaning and sanitizing with whatever validated method you use, whether chemicals, hot water or even steam.

The potential uses of plastics are virtually unlimited.

Sanitary Piping System



PIPING SYSTEMS