

SPECIALTY CUSTOM



Series TRVDT
3-port valve, PTFE diaphragm design has no wetted elastomers; simplifies piping
½", ¾", 1"
PVC, CPVC, PP, PVDF, PTFE,



Series PRA
Air-piloted design provides superior flow with industry's lowest drop-off from set pressure (droop). Set pressure range from 5 to 125 PSI.
¼", ½", ¾", 1", 1 ½", 2", 3"
PVC, PP, PVDF



Series PRS
Optional patented Stabilizer is used with Series PRA. The Stabilizer reacts to downstream liquid pressure and provides continuous feedback control to the compressed air supply, for the ultimate regulator sensitivity and performance.
PVC, PP, PVDF, PTFE



Series PCWS
Supply side stick strengthens piping and reduces installation costs. Configurations include options with or without ball valve, diaphragm valve, y-strainer, pressure regulator, pressure gauge, Tridicator, and a variety of connection types.
½", ¾", 1", 1 ½", 2"
PVC, CPVC



Series PCWR
Return stick strengthens piping and reduces installation costs. Configurations include options with or without ball valve, diaphragm valve, flow meter, pressure gauge, Tridicator, and a variety of connection types.
½", ¾", 1", 1 ½", 2"
PVC, CPVC

Specialty Custom Products are non-standard items; consult factory for price and availability. Minimum quantities may apply.

SPECIALTY CUSTOM



Series FC
Internal snubber and orifice plate maintains constant, pre-set flow despite pressure fluctuations. Flow rate is tamper-proof and available to 120 GPM. Sizes to 3".
PVC



Series HSA
Air operated pinch valve ideal for slurries or particulate. EPDM sleeve closes bubble-tight around media.
½", ¾", 1"
PVC, CPVC, PP, PVDF



Series GGSLE
Isolated pressure or vacuum transducer based on Series GGS.
PVC, CP, PP, PF



Series GL
Double-wall level indicator for liquids compatible with Pyrex inner wall. 1", 2", 3" or 4" lengths.
½", ¾"
PVC, PP, PTFE



Series VPA
Metering pumps are air-operated, self-priming, positive displacement type pumps designed to meter precise quantities of liquids for dosing or filling, accurate to 1/2 of 1%. The four sizes of pumps available have a single stroke maximum delivery capacity of 7, 10, 32 or 128 liquid ounces, adjustable to deliver smaller portions.
PVC, PP, PVDF



Series TMBV 3" and 4"
Three-way version of Series MBV with same trunnion design and features. 2-hole or 3-hole option.
3", 4"
PVC, CPVC

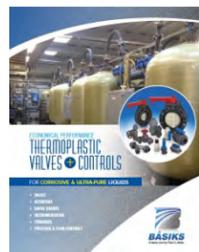
FULL CUSTOM: X & Q VALVE PROGRAMS

If the exact flow or pressure control product doesn't exist for the application, Plast-O-Matic can design and manufacture it for you. With 55 years of thermoplastic valve experience, we've yet to find an application problem we couldn't solve, from the ocean depths to the International Space Station. Minimum quantities and/or engineering fees may apply.

OPTIONS & ACCESSORIES

- High Purity Cleaning Procedure
- Factory setting on pressure control valves
- High Purity Flare Fittings
- Flange Connections
- High Purity Spigots
- Coated Fasteners
- Fail-Dry Sensor

BÁSIKS PRODUCT LINE



Value line of commodity products, manufactured to Plast-O-Matic specifications, with complete technical support. One year warranty. Most products offered with NPT, socket, metric socket, BSP or JIS.

PVC & CPVC standard; most items also available in PP, GPP & PVDF.

- Manual & Actuated Butterfly Valves and Ball Valves
- Ball Checks
- Weir Style Diaphragm Valves
- PTFE Diaphragm Backpressure Valves
- Wye Strainers
- Mini Gauge Guards
- Flow & Level Switches
- Solenoid Valves

CHECK VALVES



Series CKM
Patented design closes automatically, requires no reverse pressure ½", ¾", 1" PVC, CPVC, GPP, PVDF, PTFE



Series CKS
Isolated spring closes valve automatically, requires no reverse pressure 1 ½", 2", 3", 4" PVC, CPVC, PP, PVDF



Series CKD
Specialty diaphragm design opens with virtually no forward pressure ¼", ½" PVC, PP, PVDF, PTFE

VACUUM BREAKERS



Series VBM
Patented design closes automatically, requires no reverse pressure ½", ¾", 1" PVC, CPVC, GPP, PVDF, PTFE



Series VBS
Isolated spring closes valve automatically, requires no reverse pressure 1-½", 2", 3", 4" PVC, CPVC, PP, PVDF

AIR RELEASE & DEGASSING VALVES



Series ARV
Provides rapid expulsion of air at start-up; seals bubble-tight while system operates. Dust cap optional.
½", ¾", 1", 1 ¼", 1 ½", 2", 3", 4"
PVC, CPVC, PP, PVDF



Series DGV
Provides continuous venting of trace amounts of air/gas as it occurs during system operations.
½"
PVC, CPVC, PP, PVDF, Clear Acrylic



Series CARD
Combines ARV initial volume venting & DGV continuous trace venting in one unit.
1", 2", 4"
PVC, CPVC

RELIEF, BY-PASS & BACKPRESSURE VALVES



Series RVD
Angle flow pattern with PTFE spring guides. Compact, rugged design ¼", ½"
PVC, CPVC, PP, PVDF, PTFE



Series RVDM
Inline pattern with ultra smooth flow performance, light weight ½", ¾", 1"
PVC, CPVC, GPP, PVDF



Series RVDT/RVDTM
PTFE diaphragm design has no wetted elastomers; 1st State-approved thermoplastic anti-siphon valve; superior performance and cycle life. Inline flow pattern ¼", ½", ¾", 1", 1 ½", 2", 3" PVC, CPVC, PP, PVDF, PTFE, SS



Series RVT/RVTV
Angle flow pattern with PTFE shaft. High flow rates in a design proven for over 50 years ½", ¾", 1", 1 ¼", 1 ½", 2", 3" PVC, CPVC, PP, PVDF, PTFE

HIGH PERFORMANCE PRESSURE REGULATORS



Series PRH/PRHM
Rolling diaphragm, extended shaft and multiple spring design is the industry standard for thermoplastic pressure regulators. Set pressure range from 5 to 125 PSI on most models.
¼", ½", ¾", 1", 1 ½", 2", 3", 4"
PVC, CPVC, PP, PVDF, PTFE



Series PRD/PRDM
Differential pressure regulator eliminates overpressure across a bank of filters, etc. via tubing connected downstream. Set range to 50 PSI.
¼", ½", ¾", 1", 1 ½", 2", 3"
PVC, PP

ULTRA PURE PRESSURE REGULATORS



Series PRHU
Kynar machined body with metal ion-free EPDM rolling diaphragm, IPS or metric spigot connections. Highest flow performance in ultra-pure valve with 10 to 125 PSI set range.
½" - 3" or 20 mm - 90 mm
Kynar 740 PVDF



Series UPR
Kynar machined body with no wetted elastomers; variable area PTFE diaphragm provides excellent pressure response. UPR is a non-shutoff design with 5 to 100 PSI set range.
¼" NPT or Flare; PVDF or PTFE 20, 25, 32, 50, 63mm spigot; PVDF



Series UPRS
Kynar PVDF machined body with Kalrez semiconductor grade elastomers; variable area PTFE diaphragm provides excellent pressure response. UPRS is a shutoff design with 5 to 100 PSI set range; 20 - 63 mm spigots. Available with or without intrinsic pressure gauge and gauge guard.

COOLING WATER STICKS



Series ECWS
Supply side stick strengthens piping and reduces installation costs. Includes ball valve, pressure regulator, pressure gauge, or Tridicator.
½", ¾", 1", 1 ½", 2"
PVC



Series ECWR
Return stick strengthens piping and reduces installation costs. Include diaphragm valve, flow meter, Tridicator.
½", ¾", 1", 1 ½", 2"
PVC

FLOW CONTROL VALVES



Series FC
Internal snubber and orifice plate maintains constant, pre-set flow despite pressure fluctuations. Flow rate is tamper-proof and available from 1/4 GPM to 1 GPM.
1/4", 1/2", 3/4", 1"

PULSATION DAMPENER/ SUPPRESSOR



Series PDS
Performs six functions to improve system performance: Pulsation Dampener smooths pump flow, Surge Suppressor absorbs vibrations, Water Hammer Arrestor, Inlet Stabilizer enhances pump operation, Accumulator releases stored fluid during unwanted pressure drops, Expansion Tank protects system from thermal volume increases. 10, 50 and 180 cubic inch capacity in 1", 2", 3" connection, respectively.
PVC, CPVC, PP, PVDF

SOLENOID VALVES



Series EASYMT/EASMT
Normally-closed design/energize to open. Million-cycle design featuring PTFE bellows; direct acting. Available with choice of rectified coil or rectified 'Z-Cool' energy saving 24 watt coil. 120/60, 24/60, 240/60 AC or 24V DC 1/4", 1/2", 3/4", 1" sizes with 3/8"-1 1/16" main orifice
PVC, CPVC, GPP, PVDF



Series EAST
Compact, normally-closed design/energize to open. Million-cycle design featuring PTFE bellows; direct acting. Available with 11 watt, NEMA 4X coil.
120/60, 24/60, 240/60, 230/50 AC or 24V DC 1/4", 1/2" sizes with 3/16" or 1/4" main orifice
PVC, PP, PVDF



PS
Pilot-operated, normally-closed design/energize to open. Million-cycle high flow rate valve features PTFE bellows; require pressure differential to function. Available with 11 watt, NEMA 4X coil.
120/60, 24/60, 240/60, 230/50 AC or 24V DC 1/4", 1/2", 3/4", 1", 1 1/2", 2", 3"
PVC, CPVC, PP, PVDF

SHUTOFF VALVES



Series BSDA/BSDAM
Air operated, compact PTFE diaphragm valve for drain applications and pressures to 100 PSI.
1/4", 1/2", 3/4", 1", 1 1/2"
PVC, CPVC, PP, PVDF, PTFE



Series BSR
Air operated, balanced shaft design assures bubble tight shutoff with automatic spring return.
1/2", 3/4"
PVC, PP



Series MFR
Hand or foot operated manual valve. Press to open, automatic spring return closure.
1/2", 3/4"
PVC

GAUGE GUARDS & INSTRUMENTATION



Series GGS
Heavy duty instrument isolator; 1/2" process connection with steel reinforced 1/4" instrument connection. Available with or without pressure or vacuum gauges. Standard instrument has 2 1/2" gauge face with stainless steel case. Options include center back mount, acrylic shield for harsh environments, snubber, liquid filled face. PVC, CPVC, GPP, PP, PVDF



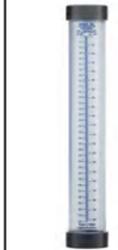
Series GGMU
Ultrapure, zero deadleg instrument isolator with spigot connections. Available with or without pressure gauge. Standard instrument has 2 1/2" gauge face with stainless steel case. Options include DI water fill and high purity clean/double bag procedure. PVC, PP, PVDF



Series PT
Combination 0-160 PSI pressure and 0-180°F temperature 'Tridicator' gauge. Brass connection with 2 1/2" gauge face or stainless steel connection with 3" gauge face.



Series SWT
PTFE diaphragm pressure switch features no wetted metals or elastomers. 16, 25, or 3 Amp models.
PVC, CPVC, PP, PVDF



Series CC
Calibration columns feature 100% UV-resistant PVC; remain clear and easy-to-read for years. Rapid fill rates and longer testing periods improve efficiency and accuracy. 100, 250, 500, 1000, 2000 and 4000 ML

SIGHT GLASSES & LEVEL INDICATORS



Series GX
Single-wall sight glass for liquids compatible with acrylic. Fluttering streamers optional.
1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3"
PVC, PP



Series GY
Double-wall sight glass for liquids compatible with Pyrex inner wall. Fluttering streamers optional.
1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3"
PVC, PP



Series GYW
Double-wall sight glass for liquids compatible with Pyrex inner wall. Flange connections; fluttering device optional.
1 1/2", 2", 3", 4", 6", 8"
PVC, CPVC, PP, PVDF, PTFE

BALL VALVES



Series MBV
The engineered ball valve features trunnion ball design, dual shaft seals, large diameter shaft, mounting lugs, PTFE seats, and perfectly spherical ball. Will outlive any competitive ball valve. NPT, socket, BSP or metric socket. 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3", 4" or 20 - 110 mm
PVC, CPVC, PP, PVDF



Flange Connections
Available for most sizes and materials, 2-way and 3-way.



Z-Vent Balls
Designed for sodium hypochlorite and other applications prone to dangerous outgassing. Vent allows trapped liquid and resulting gas to escape harmlessly downstream.



Sanitary Connections
Available for 2-way valves, 1/2" through 2" in PP, PVDF.



Series MBVM
Metering indicator shows degrees open. For use with regular or characterized ball valve, factory complete or as kit for retrofit. Series MBV sizes to 2" in all materials.



Series MBVL
Lock out/tag out option. Available factory complete or as kit for retrofit.
All sizes/materials for Series MBV.



Series TMBV
Three-way version of Series MBV with same trunnion design and features. 2-hole or 3-hole option.
1/2", 3/4", 1", 1 1/2", 2"
PVC, CPVC



Series LMBV
Lateral reducing ball valve based on Series MBV; simplifies and strengthens lateral drops. Includes tee.
1/2", 3/4", 1", 1 1/2", 2" valve
3/4", 1", 1 1/2", 2", 3" tee
PVC, CPVC, PP, PVDF

ACTUATED BALL VALVES



Series ABVA/ABVS
Air x air or fail-safe air x spring actuator for Series MBV, 3/8", 1" sizes. Thermoplastic construction, includes direct manual override. Options include limit stop and limit switch.



Series ABRA/ABRS
Air x air or fail-safe air x spring actuator for Series MBV, 1 1/4" to 4" sizes. Thermoplastic construction, most models include direct manual override. 3" & 4" designs features stainless actuator. Options include limit stop and limit switch.



Series TABVA/TABRA/S
3-way air actuated valves, air x air or fail-safe air x spring versions for Series TMBV.



CAFE Actuated Ball Valve
Superior multi-voltage electric actuators with manual override. CE marked, IP67 ingress protection, anti-condensation heater and over-torque protection. Plast-O-Matic engineered & assembled in USA.



CAFE NITRO Actuated Ball Valve
Superior multi-voltage electric actuators with manual override. CE marked, IP67 ingress protection, anti-condensation heater and over-torque protection. Plast-O-Matic engineered & assembled in USA.



Series TCAFE & TCAFEN
3-way electrically actuated valves with the same features as the two-way versions above



Series EPP
Electro-Pneumatic Positioner turns any air actuated True Blue valve into an electronic control valve. Requires ABRA/ABRS actuator for all sizes.



ZC Control Balls
Specific angles or special linear cut enables precise control of flow rates for manual valves, or for actuated valves with electronic positioning. All 2-way sizes and materials.

PREMIUM ACTUATORS



CAFE Actuator
ISO 14 drive or POM mount multi-voltage electric actuators with manual override. CE marked, IP67 ingress protection, anti-condensation heater and over-torque protection. ISO 14 mounting available. Plast-O-Matic engineered & assembled in USA.



CAFE NITRO Actuator
ISO 14 drive or POM mount CAFE with added NITRO features including OLED screen, over-torque & over-temperature alarms, multiple drive modes. Options include proportional control, Modbus RS485, Failsafe, and so much more. ISO 14 mounting available. Plast-O-Matic engineered & assembled in USA.