

Plast-O-Matic Valves & Controls

CHECK VALVES



Series CKM

Patented design closes automatically, requires no reverse pressure 1/2", 3/4", 1" PVC, CPVC, GPP, PVDF, PTFE



Series CKS

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



Series CKD

Specialty diaphragm design opens with virtually no forward pressure 1/4", 1/2" PVC, PP, PVDF, PTFE

VACUUM BREAKERS



Series VBM

Patented design closes automatically, requires no reverse pressure 1/2", 3/4", 1" PVC, CPVC, GPP, PVDF, PTFE



Series VBS

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

RELIEF, BY-PASS & BACKPRESSURE VALVES



Series RVDT/RVDTM

PTFE diaphragm design has no wetted elastomers; 1st State-approved thermoplastic anti-siphon valve; superior performance and cycle life. In-line flow pattern 1/4", 1/2", 3/4", 1", 1 1/2", 2", 3", 4" PVC, CPVC, PP, PVDF, PTFE, SS



Series TRVDT

3-port valve, PTFE diaphragm design has no wetted elastomers; simplifies piping 1/2", 3/4", 1" PVC, CPVC, PP, PVDF, PTFE,



Series RVT/RVTX

Angle flow pattern with PTFE shaft. High flow rates in a design proven for over 50 years 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3" PVC, CPVC, PP, PVDF, PTFE



Series RVD

Angle flow pattern with PTFE spring guides. Compact, rugged design 1/4", 1/2" PVC, CPVC, PP, PVDF, PTFE



Series RVDM

In-line pattern with ultra smooth flow performance, light weight 1/2", 3/4", 1" PVC, CPVC, GPP, PVDF

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. 1/4", 1/2", 3/4", 1", 1 1/2", 2", 3", 4" 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. 1/4", 1/2", 3/4", 1", 1 1/2", 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

PLASTOMATIC



Series PRD/PRDM

Differential pressure regulator eliminates overpressure across a bank of filters, etc. via tubing connected downstream. Set range to 50 PSI. 1/4", 1/2", 3/4", 1", 1 1/2", 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. 1/2" - 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. 1/4" NPT or Flare; PVDF or PTFE 20, 25, 32, 50, 63mm spigot; PVDF

PROCESS COOLING WATER STICK



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. 1/2", 3/4", 1", 1 1/2", 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. 1/2", 3/4", 1", 1 1/2", 2" PVC, CPVC

Plast-O-Matic Valves & Controls

VALVES & VALVE AUTOMATION

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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 ¼", ½", ¾", 1" sizes with ⅜"- 1½" main orifice
PVC, CPVC, GPP, PVDF



Series EAST

Compact, normally-closed design/energize to open. Multimillion-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 ¼", ½" sizes with ⅜" or ¼" 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 ¼", ½", ¾", 1", 1 ½", 2", 3"
PVC, CPVC, PP, PVDF

SIGHT GLASSES & LEVEL INDICATORS



Series GX

Single-wall sight glass for liquids compatible with acrylic. Fluttering streamers optional.

½", ¾", 1", 1 ¼", 1 ½", 2", 3"
PVC, PP



Series GYW

Double-wall sight glass for liquids compatible with Pyrex inner wall. Flange connections; fluttering device optional.

1 ½", 2", 3", 4", 6", 8"
PVC, CPVC, PP, PVDF, PTFE

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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

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

SHUTOFF VALVES



Series BSDA/BSHAM

Air operated, compact PTFE diaphragm valve for drain applications and pressures to 100 PSI.

¼", ½", ¾", 1", 1 ½"
PVC, CPVC, PP, PVDF, PTFE



Series BSR/BSRM

Air operated, balanced shaft design assures bubble tight shutoff with automatic spring return.

½", ¾", 1", 1 ½", 2"
PVC, PP



Series MFR

Hand or foot operated manual valve. Press to open, automatic spring return closure.

½", ¾"
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

FLOW CONTROL VALVES



Series FC

Internal diaphragm and orifice plate maintains constant, pre-set flow despite pressure fluctuations. Flow rate is tamper-proof and available from ¼ GPM to 120 GPM.

¼", ½", ¾", 1", 1 ¼", 1 ½", 2", 3"
PVC

GAUGE GUARDS & INSTRUMENTATION



Series GGS

Heavy duty instrument isolator; ½" process connection with steel reinforced ¼" instrument connection. Available with or without pressure or vacuum gauges. Standard instrument has 2 ½" 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 SWT

PTFE diaphragm pressure switch features no wetted metals or elastomers. 16, 25, or 3 Amp models.

PVC, CPVC, PP, PVDF

MANUAL BALL VALVE OPTIONS



Series MBVL

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



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 MBVSE

Stem extension from 2" to 12". Factory complete or as kit for retrofit. Series MBV sizes to 2" in all materials.

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 EPP

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



Series TABVA/TABRA/S

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

MANUAL 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



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", 3", 4" 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

MANUAL & ACTUATED BALL VALVE OPTIONS



Flange Connections

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



Sanitary Connections

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



Z-Vent Balls

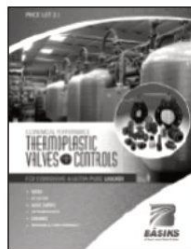
Designed for sodium hypochlorite and other applications prone to dangerous outgassing. Vent allows trapped liquid and resulting gas to escape harmlessly downstream.



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.

BÁSIS 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



Series GGME

Compact, low-cost diaphragm seal in polypropylene. Buna-N or Viton seals. Available with or without pressure gauges; suitable for use with virtually any pressure

instrument that requires protection from ultrapur or corrosive liquid. Accuracy to within ±4%



Series S-RV

PTFE diaphragm valve serves as relief valve, pump backpressure valve, backpressure regulator, bypass valve, or anti-siphon valve. Excellent corrosion resistance and well suited to ultrapure

processes. Regulates backpressure from 5 to 150 PSI set. 1/4", 1/2", 3/4" and 1" in PVC, CPVC, GPP, PVDF.



Series S-SV

PTFE bellows design with no wetted metals is suitable for inlet pressure to 140 PSI, backpressure to 80 PSI. 24, 120 or 240V coil. 1/4" or 1/2" with 1/4"

orifice in PVC, CPVC, GPP, PVDF.

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