For more than 80 years, Hayward Flow Control’s thermoplastic fluid handling products and solutions have proven to excel in the harshest environments. Thousands of customers worldwide have installed our products in aggressive and corrosive systems, as well as delicate life support systems where the strictest chemical balance is required. We understand the rigorous demands of industrial piping and are committed to offering advantageous products for your application that will keep your systems working.

Hayward Flow Control has solutions ready for the demanding needs of water and wastewater treatment systems. Our products and solutions are designed and suitable for use in applications such as:

- Chemical Dosing / Dilution
- Reverse Osmosis
- Desalination
- Membrane Systems
- Neutralization Process
- Media Filtration
- Chemical Transfer / Handling

Hayward Flow Control products carry an industry leading, full three-year warranty. As an ISO 9001:2015 certified manufacturing company, we strive for the highest quality product for use in a wide range of demanding applications.

Buy American
TBH Series
True Union Ball Valves
1/2” to 2” DN8-DN50 PVC, CPVC
2 1/2” to 6” DN65-DN150 PVC, CPVC*
*Available Fall 2019

KEY FEATURES
• System2™ Sealing Technology provides longer cycle life
• 250 PSI / 16 Bar, non-shock at 70°F / 23°C full pressure rating
• Consistent operating torque with adjustment-free design
• Lockout/Tagout mechanism that secures directly to valve body for enhanced safety
• Ergonomic handle for improved grip and comfort
• ISO mounting flange simplifies actuation
• Permanent markings, eliminates labels
• Integral footpad for skid or panel mount
• Double O-Ring stem seals
• Drilled Z-Ball option for Sodium Hypochlorite Service

OPTIONS
• Pneumatic or Electric Actuators
• Stem Extensions
• Manual Limit Switch

MORE BALL VALVES
Hayward offers our TB Series True Union Ball Valves available in PVC, CPVC 1/4”-6”, GFPP 1/2”-2” and now in PVDF 1/4”-1”. Head over to our website to learn more about our full line of Ball Valves including our TW/LA Series Three-Way True Union Ball Valves.

BYV Series
Butterfly Valves
2” to 12” DN50-DN300 PVC, CPVC, GFPP

KEY FEATURES
• One Piece Injection Molded Body
• Hand Lever with 19 Lockable Stop Positions & 360° Interlocking Splines
• External Disc Position and Flow Indication
• Hydro-dynamic Centric Disc for Increased Flow Performance
• Over-Sized Liner Face Maximizes Surface Contact with Flanges
• 1-Piece 316 Stainless Steel Stem with Threaded Retaining Gland
• Stem Bearing and Seal Retainer for Absolute Stem Position and Seal
• ISO 5211 Top Flange and Stem Drive
• All Sizes Meet ANSI B16.10 / ISO 5752 Narrow Face-to-Face Dimensions
• Pressure Rated at 150 PSI/10 Bar in All Sizes @ 70°F Non-Shock

OPTIONS
• Over-Molded 316 Stainless Steel Lugs
• Titanium or Hastelloy™ Stem Materials
• Gear Operators
• Complete Range of Pneumatic or Electric Actuators
• Lock Out Caps
• Stem Extensions
• 2” Square Operating Nut
• Chain Operator for Gear Box

HRS Series
Electric Actuators
266 - 177,000 Torque in/lbs

KEY FEATURES
• Units are equipped with two (2) volt-free Form A Auxiliary switches
• ISO5211 compliant mounting with a double square female drive socket
• Raised visual position indicator*
• NEMA 4X/IP67 compliant
• EMT entry ports with sealed cable glands

OPTIONS
• Power Supply Flexibility
• On / Off Proportional Control
• Manual Override Handwheel
• Local Control Stations
• IP68 Submersion
• Battery Backup
• Supercap Backup
• Interchangeable ISO5211 Flange & Drives

MORE ACTUATION
For more electric actuation solutions from Hayward Flow Control, head to our website to learn more about our full line of electric actuation with options such as power supply flexibility, fail-safe battery backup, manual override and more!
WCV Series
Full Pattern Wafer Check Valves
2” to 8” DN50-DN200 PVC, CPVC

**KEY FEATURES**
- Robust Full Pattern Body
- PVC and CPVC
- No Special Spacers or Flanges Required
- High Cv Rating Equal to Metal Check Valves, Saves on Energy and Pump Wear
- FPM or EPDM Gasket and Face Seal
- One-Piece Disc and Shaft Design
- Designed for ANSI150 and PN10 Flanges
- Patent No. 8,887,757

**OPTIONS**
- 316 Stainless Steel or Hastelloy® Disc Spring

**MORE CHECK VALVES**
For more check valve solutions from Hayward Flow Control, including new PVDF TC Series and our YC Series, head to our website to learn more about our full line of ball and Y-pattern checks as well as Swing Check, Wafer and Full Pattern Wafer check valves.

SW Series
Swing Check Valves
3” to 6” DN80-DN150 PVC, CPVC, GFPP
8” DN200 PVC, GFPP

**KEY FEATURES**
- Available in PVC, CPVC and GFPP
- High Temperature/Pressure Ratings
- Horizontal or Vertical Installation
- Two-in-One Seat Design
- Built-in Flange Seals
- Two Drain Ports
- Self-Aligning Clapper Seals
- High Cv Rating and Full Flow Design

**OPTIONS**
- Counterweight for Closing Assistance
- Limit Switch for Position Indication

**MORE PNEUMATIC ACTUATION**
The compact PCD/PCS Series pneumatic actuators are perfect for those tight spaces and applications that require a lightweight, highly adjustable solution. Four-piston rack and pinion design in both double-acting and fail-safe spring return. Head to our website to learn more!
SB Series
Simplex & Duplex Basket Strainers
1/2” to 4” DN15-DN100 PVC, CPVC, GFPP, GFPP Platinum and Eastar®
6” to 8” DN150-DN200 PVC, CPVC
*Available in PVDF SOON

**Available in PVDF SOON

KEY FEATURES
- Available in PVC, CPVC, Clear PVC and PVDF
- PVDF 1-pc Construction
- Horizontal or Vertical Installation
- Threaded, Socket or True Union Connection
- FPM O-Ring Seals
- 2:1 Open Area Ratio
- Hex Cap for Easy Access to Screen
- Standard Screen Has 1/32” Perforation**
**Standard PVDF Screen Has 3/32” Perforation

OPTIONS
- Stainless Steel Perf or Mesh Strainer Screens Available in Various Sizes

YS Series
Y-Strainers
1/2” to 2” PVC, CPVC, CLEAR PVC
2-1/2” to 4” PVC, CPVC
1/4” to 1” PVDF

**Available in PVDF SOON

KEY FEATURES
- Available in PVC, CPVC, Clear PVC and PVDF
- PVDF 1-pc Construction
- Horizontal or Vertical Installation
- Threaded, Socket or True Union Connection
- FPM O-Ring Seals
- 2:1 Open Area Ratio
- Hex Cap for Easy Access to Screen
- Standard Screen Has 1/32” Perforation**
**Standard PVDF Screen Has 3/32” Perforation

OPTIONS
- Stainless Steel Perf or Mesh Strainer Screens Available in Various Sizes

FLV/CFLV Series
Simplex & Duplex Bag/Cartridge Filters
Single Length 1-1/4” - 2” DN32-DN50 GFPP, PVC, CPVC
Double Length 2-1/2” - 4” DN65 - DN100 GFPP, PVC, CPVC

**Patented** Pat. No.:9,630,127

KEY FEATURES GFPP
- Platinum GFPP Material
- One-Piece Injection Molded Construction
- Hand Removable Ergonomic Cover with Liquid Displacing Dome
- Vent Valve on Cover
- In-Line or Loop Configuration
- Drain Port at Bottom
- Integral Mounting Base

OPTIONS
- Vent Gauge with Gauge Guard
- Pressure Differential Gauge and Switch
- EPDM Seals
- Cartridge Adapters for CFLV Series

KEY FEATURES PVC & CPVC
- True Union End Connections - Socket, Threaded or Flanged
- Hand Removable, Ergonomic Cover with Liquid Displacing Dome
- Vent Valve Included On Cover
- Rated up to 100 GPM
- In-Line or Loop Flow Configurations
- Solid 1-Piece Basket
- Drain Port at Bottom
- Integral Mounting Base

OPTIONS
- Pressure Gauge with Gauge Guard
- Pressure Differential Gauge and Switch
- EPDM Seals
- Duplex Configurations

SYSTEM PROTECTION
Hayward offers a full line of Pressure Differential Gauge kits to help better protect your vital systems from damage. Pressure Differential Gauges indicate when to clean, change or replace your bag filter or strainer.
NVA Series
Needle Valves
1/4” to 1/2” PVC, CPVC, GFPP and PVDF

KEY FEATURES
- Available in PVC, CPVC, GFPP and PVDF
- Integrated Stem/PTFE Seat Design
- Flanges for Panel Mounting
- NPT Threaded Ends
- Accurate Flow Control
- Fine Pitch Stem Threads for Precise Adjustment
- Adjust Flow Rates Down to Drops per Minute
- Ideal for Metering Flow

OPTIONS
- 2-port/90°
- ANSI or DIN/EN Threaded, Socket, True Union Socket or Flanged End Connections
- 0 – 50 psi and 10 – 250 psi Springs
- PTFE/FPM Diaphragm

MORE CHEMFEED
For more chemfeed solutions from Hayward Flow Control, including CCS Series Calibration Cylinders, IV Series Injection Valves/IQ Series Injection Quills and our RV/PR Series Pressure Valves, head to our website to learn more.

PBV/RPV Series
Back & Pressure Relief Valves
1/2” to 4” PVC, CPVC, PP, & PVDF

KEY FEATURES
- PVC, CPVC, PP or PVDF Body, and Noryl™ Molded Dome
- PTFE/EPDM Diaphragm
- Spring: 10 – 150 psi (Spring pre-set: 50 psi)
- 304 Stainless Steel Bolting
- FNPT Threads
- Anti-Siphon Function
- Adjustment Screw with Slot
- PVC, CPVC and PVDF rated to 250 psi @ 70°F/17.2 Bar at 21°C, PP rate to 150 psi @ 70°F/10 Bar at 21°C

OPTIONS
- 2-port/90°
- ANSI or DIN/EN Threaded, Socket, True Union Socket or Flanged End Connections
- 0 – 50 psi and 10 – 250 psi Springs
- PTFE/FPM Diaphragm

MORE CHEMFEED
For more chemfeed solutions from Hayward Flow Control, including CCS Series Calibration Cylinders, IV Series Injection Valves/IQ Series Injection Quills and our RV/PR Series Pressure Valves, head to our website to learn more.

Z Series
Solenoid Metering Pumps
100, 200 and 300 ANALOG, DIGITAL

KEY FEATURES
- Analog and Digital Interface
- Three Pump Sizes Cover 1 To 29 GPH
- Standard One Piece Molded PVDF Pump Head
- PTFE Diaphragm Standard
- NEMA 4X Design / IP65 Rate
- Front facing controls, tubing and wiring connections allow for easy and flexible installation
- Built-In Degassing Valve on 100 and 200 Sizes
- Multi-Voltage Motor

OPTIONS
- Optional Multi-Function Valve for Over-Pressure and Back Pressure Control

MORE CHEMFEED
For more chemfeed solutions from Hayward Flow Control, including CCS Series Calibration Cylinders, IV Series Injection Valves/IQ Series Injection Quills and our RV/PR Series Pressure Valves, head to our website to learn more.

MORE FLOW CONTROL VALVES
For more flow control valve solutions from Hayward Flow Control, including DAB Series Diaphragm Valves, AV Series Angle Globe Valves and our LC Series Universal Stopcock™ Valves, head to our website to learn more.

MORE PUMPS
For more corrosion resistant pump solutions from Hayward Flow Control, head to our website to learn more about our full line of immersible, magnetic drive, centrifugal as well as metering pumps.

MORE PUMPS
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HLS Series
Level Sensors

**KEY FEATURES**
- Dual Channel input and display (CH2 is RTD for temperature)
- Configurable, multi-color LCD display
- Simple, Intuitive menu makes set-up quick and easy
- NEMA 4X (IP65) Face, ¼ DIN chassis dimensions
- 100-240 VAC, 50-60 Hz power range std.
- Programmable dual relays and dual open collectors
- Optional HMCENC NEMA 4X Electrical Enclosure, ¼ DIN Cutout, 6 wire connectors

HEX800 Series
Flowmeter

**KEY FEATURES**
- Insertion Electromagnetic Flow Sensor, 1 to 12"
- No moving parts, provides high reliability
- PVC Wetted Body, PVDF end cap, Hastelloy C Electrodes, EPDM o-ring, Cast AL Housing
- 0.28 to 20 FPS Velocity Range equals <1 GPM to 7000 gpm based on line diameter
- 150 psi @ 75F max, 32 to 130F
- +/- 1% Accuracy of Full Scale
- Blind 4-20mA output or integral (Built-in) Indicating Transmitter (HFT440)
- Full rage of required insertion fittings available

Electrodes

**KEY FEATURES**
- PRO15-10 pH, 10 ft wire, BNC, 3/4" MNPT process connection
- PRO25-10 ORP, 10 ft wire, BNC, 3/4" MNPT process connection
- ZRDPH100, Industrial pH, 10 foot wire standard, BNC, 3/4" MNPT connections on both ends
- ZRDORP100, Industrial ORP, 10 foot wire standard, BNC, 3/4" MNPT connections on both ends

HMC Series
Analytical Indicating Transmitter

**KEY FEATURES**
- Flow, pH/ORP and conductivity models available
- Common Features: Two Channel, process parameter + Temperature
- Dual, programmable 4-20mA outputs
- Dual, Programmable 5A/250V Relays, Dual Open Collectors
- ¼ DIN Chassis, NEMA 4X/IP65 Face
- 100-240V, 50-60 Hz power
- pH/ORP - 0-14 pH or -1000 to +1000 mV ORP (HMC100)
- Multi-parameter, 4-20mA input, configurable display (HMC100)

**KEY FEATURES**
- Highly accurate hydrostatic pressure measurement, 0.25% accuracy full scale
- All CPVC housing with Al2O3 (Alumina) sensing diaphragm
- 0-15 and 0-33 ft measurement range, 33 and 49 ft of PTFE coated cable std
- 10-35 VDC power required
- 4-20mA analog output signal
- 0-140ºF temperature range
- MP10 desiccant tube and MP11 protection volume breather protection available
- Ceramic Sink Weights available for high specific gravity applications

**KEY FEATURES**
- Flow, pH/ORP and conductivity models available
- Common Features: Two Channel, process parameter + Temperature
- Dual, programmable 4-20mA outputs
- Dual, Programmable 5A/250V Relays, Dual Open Collectors
- ¼ DIN Chassis, NEMA 4X/IP65 Face
- 100-240V, 50-60 Hz power
- pH/ORP - 0-14 pH or -1000 to +1000 mV ORP (HMC100)
- Multi-parameter, 4-20mA input, configurable display (HMC100)
A statement to our durability, our #WhySettleForMetal slogan helps us to vocalize Hayward’s ability to handle harsh chemicals in tough environments. Our industrial thermoplastic product lines are specifically engineered to handle your most rigorous applications. With outstanding long-life performance in highly corrosive systems, the economical life cycle cost vs. metal is a no-brainer.

True Grit. We have it.