

ASAHI/AMERICA PRODUCT OFFERINGS

**Thermoplastic Valves & Actuators
Piping Systems • Welding Equipment**



Your Experts in Plastics™



Asahi/America, Inc. has been a leading supplier and manufacturer of corrosion resistant thermoplastic valves and piping systems for over 50 years. From the harshest chemicals to the toughest weather conditions, our family of fluid flow solutions provides dependable performance for a wide range of applications and reliability where it matters most.

Through our global partnerships with Asahi Yukizai Corporation and AGRU, we are uniquely positioned to deliver the highest quality products to customers in the United States, Latin America, Canada, Australia, and the United Kingdom.

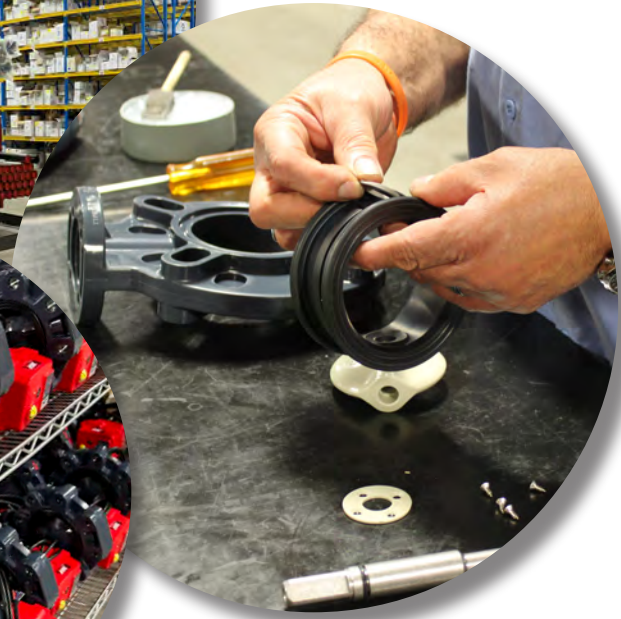
Asahi/America doesn't specialize in one industry – we specialize in your industry. With a catalog of products designed to handle specific applications, meet industry standards, exceed performance expectations, and a staff to support you through product and material recommendations and selection, training and installation, Asahi/America is the obvious partner for your next project.

We Know Your Industry

- Aquariums & Zoos
- Automotive
- Bleach Plants
- Chemical Processing
- Controlled Environmental Agriculture
- Food & Beverage
- Institutional
- Landfill
- Life Sciences
- Mining
- Offshore Oil
- Pharmaceutical
- Plating & Pickling
- Power
- Pulp & Paper
- Semiconductor
- Ultrapure Water
- Wastewater Treatment

Headquartered in Lawrence, Massachusetts, Asahi/America maintains a vast inventory of valves, actuation, pipe and fittings, which can be shipped directly to customers or incorporated into custom spools and skids by our fabrication department. Our 200,000-square-foot facility also houses a machine shop, valve and actuation assembly shops, a Class 1000 cleanroom, research and development lab, welding equipment rental, and corporate offices. Our Louisiana-based fabrication division specializes in large-quantity and large-scale custom pieces.

Our manufacturing, sales, engineering and support staff have decades of experience with thermoplastics and the industries we serve. As an ISO 9001:2015 certified manufacturer, our employees are dedicated to providing quality products and services, which we couple with education and training to ensure a complete solution for your application.



Commitment to Communication and Education

- Certified CEU/PDH Presenters
- Customer & End-User Engagement
- Field Training Services
- Industry- and Application-Specific Certifications & Approvals
- Industry Organization & Association Memberships & Involvement
- Product & Workmanship Warranties
- Vast Informational, Technical & Video Libraries

Quality Products

- Air & Gas Handling Piping Systems
- Double Wall Environmental Piping Systems
- Electric & Pneumatic Actuation
- High Purity Piping Systems
- Manual Valves
- Single Wall Industrial Piping Systems
- Welding Equipment

Innovating and Evolving

Asahi/America strives to provide the best products and service for our customers every day. From our Class 1000 cleanroom to the cutting-edge technology in our machine and fabrication shops, we never stop looking for ways to improve.



Outstanding Service

Whether you're making repairs, expanding an existing system, or designing from scratch, Asahi/America is your single source for a complete solution. The components we offer – valves, actuation, pipe and fittings – are engineered to work together. Using our systems approach means using one company to provide the parts you need and the engineering expertise to put them together; one company for equipment and training; one company to answer questions and support you from concept through completion.

Solutions and Support

- BIM/CAD Product Library
- Custom Fabrication Services
- Customer Portal (MyAsahi)
- Engineering Support
- Expanded Cleanroom Capabilities
- Global Manufacturing Partnerships
- Research & Development Facility
- US & International Distribution Network
- Welding Equipment Rental Services



Thermoplastic Valves



Asahi/America valve and actuation products have a three-year product warranty. Scan the QR code or visit our website at asahi-america.com/support/warranty-policy for full terms and conditions.

Type-21/21a Ball Valves

Sizes: 1/2" - 6"
Models (PVC & CPVC): Socket, threaded, flanged (ANSI)
Models (PP & PVDF): IPS or metric (DIN) socket, threaded, butt, flanged (ANSI)
Bodies: PVC, CPVC, PP, PVDF
Seats: PTFE backed with EPDM or FKM
Seals: EPDM, FKM



NSF-61 Certified
 (1/2" - 4" PVC/CPVC/EPDM/FKM)

Type-23 Multiport™ Ball Valves

Sizes: 1/2" - 6"
Models (PVC & CPVC): Socket, threaded, flanged (ANSI)
Models (PP & PVDF): IPS or metric (DIN) socket, threaded, butt, flanged (ANSI)
Bodies: PVC, CPVC, PP, PVDF
Seats: PTFE backed with EPDM or FKM
Seals: EPDM, FKM



NSF-61 Certified
 (1/2" - 4" PVC/EPDM/FKM)

Type-21a SST Flow Control Ball Valves

Sizes: 1/2" - 2"
Models: Socket, threaded, flanged (ANSI)
Body: PVC
Seats: PTFE backed with EPDM or FKM
Seals: EPDM, FKM



Omni® Type-27 Ball Valves

Sizes: 3/8" - 2"
Models: Socket, threaded
Bodies: PVC, CPVC
Seat: PTFE backed with EPDM
Seal: EPDM



NSF-61 Certified
 (3/8" - 2" PVC/EPDM)



Ball Check Valves

Sizes (True Union): 1/2" - 2"

Sizes (Single Union): 3" - 4"

Models (PVC & CPVC): Socket, threaded, flanged (ANSI)

Models (PP & PVDF): IPS or metric (DIN) socket, threaded butt flanged

Bodies: PVC, CPVC, PP, PVDF

Seats: EPDM, FKM, PTFE

Seals: EPDM, FKM, PTFE

Options: Foot valve screen and stainless steel springs

NSF-61 Certified

(1/2" - 4" PVC/CPVC/EPDM/FKM)



Gate Valves

Sizes: 1-1/2" - 14"

Body: HI-PVC

Model: Flanged (ANSI)

Type: Non-rising stem

Seals: EPDM or FKM

NSF-61 Certified

(1-1/2" - 14" PVC/PP/EPDM/FKM)



Type-14 True Union Diaphragm Valves

Sizes: 1/2" - 2"

Bodies: PVC, CPVC, PP, PVDF

Bonnet: PVC, PP, PPG, PVDF

End Connectors (PVC & CPVC):

IPS socket or threaded

End Connectors (PP & PVDF):

IPS or metric (DIN) socket, threaded, butt

Diaphragms: EPDM, three-layer EPDM/PVDF/PTFE; also available in nitrile and FKM

NSF-61 Certified

(1/2" - 2" PVC/CPVC/EPDM/PTFE)



Swing Check Valves

Sizes: 3/4" - 8"

Model: Flanged (ANSI)

Bodies: HI-PVC, PP, PVDF

Seats: EPDM, FKM, PTFE

Options: Lever and weight stainless steel springs



Labcock® Ball Valves

Size: 1/4"

Bodies: PVC

Models: Male thread x male thread, male thread x hose (OD 0.375"), male thread x female thread, male thread x hose, hose x hose, female thread x female thread, male thread elbow (OD 0.63") 90°

Seats: EPDM

Seals: EPDM

NSF-61 Certified

(1/4" PVC/EPDM)



Globe Valves

Sizes: 1/2" - 4"

Bodies: PVC, PP

Model (Flanged): 1/2" - 4" (ANSI) (PVC and PP)

Model (Socket or Threaded): 1/2" - 2" (PVC), 1/2" - 1" (PP)

Seals: EPDM or FKM



Flanged Diaphragm Valves

Sizes: 1/2" - 10"

Bodies: PVC, CPVC, PP, PVDF

Bonnet: PVC, PP, PPG, PVDF

End Connectors: Flanged

Diaphragms: EPDM, three-layer EPDM/PVDF/PTFE; also available in nitrile and FKM

NSF-61 Certified

(1/2" - 4" PVC/CPVC/EPDM/PTFE)



Constant Flow Valves

Sizes: 1/2", 3/4", 1", 2", 3" and 4"

Body: PVC

Bonnet: PVC

Model: Flanged (ANSI)

Seals: EPDM

Springs: 304 Stainless steel with PTFE coating



Thermoplastic Valves

Type-57P Butterfly Valves

Sizes (Lever): 1-1/2" - 8"
Sizes (Gear): 1-1/2" - 14"
Models: Wafer, machined lug
Operators: Lever, Plasgear™
Bodies: PVC, CPVC, PP, PVDF
Discs: PVC, CPVC, PP, PVDF
Seats & Seals: EPDM, FKM, nitrile
Stems: 316 Stainless steel, titanium, Hastelloy®
Lugs: 316 stainless steel



NSF-61 Certified

(1-1/2" - 14" PVC, CPVC, PP/EPDM/FKM)

Type-57 IL Butterfly Valves

Sizes (Lever): 3" - 8"
Sizes (Gear): 3" - 12"
Model: Lug
Operators: Lever, Plasgear™
Body: PVC
Discs: PVC, PP, PVDF
Seats & Seals: EPDM, FKM, nitrile
Stems: 316 Stainless steel, titanium, Hastelloy®
Lugs: 316 Stainless steel



NSF-61 Certified

(3" - 12" PVC/PP/EPDM)

Type-57 LIS Butterfly Valves

ISO-5752 short face-to-face

Sizes: 3" - 8"
Models: Wafer, lug
Operators: Lever, Plasgear™
Body: PVC
Discs: PVC, CPVC, PP, PVDF
Seats & Seals: EPDM, FKM, nitrile
Stems: 316 Stainless steel, titanium, Hastelloy®
Lugs: 316 Stainless steel



Large Diameter Butterfly Valves

Sizes: 28" - 48"
Model: Wafer
Operator: Plasgear™
Body: PDCPD
Discs: PDCPD, PP, PVDF
(28": PP, PVDF (disc only))
Seats & Seals: EPDM, FKM
Stem: 403 Stainless steel



High Pressure Butterfly Valves

Sizes: 16" - 24"
Model: Wafer
Operator: Plasgear™
Body: PDCPD
Discs: PP, PVDF
Seats & Seals: EPDM, FKM, nitrile
Stems: 403 Stainless steel



Type-55 IS Butterfly Valves

ISO-5752 short face-to-face

Sizes (Lever): 2" - 5"
Sizes (Gear): 2" - 16"
Models: Wafer
Operators: Lever, Plasgear™
Body: Powder-coated ductile construction iron
Discs: PTFE
Seat & Seal: PTFE backed with neoprene
Stem: 304 stainless steel



Pool-Pro® Butterfly Valves

Sizes: 1-1/2" - 12"
Models: Wafer
Operators: Lever, Plasgear™
Body: PVC
Disc: PVC
Seat & Seal: EPDM
Stem: Stainless steel



 **Pool-Pro®**

Type-75 Butterfly Valves

Sizes: 18" - 24"
Models: Wafer, machined lug
Operators: Plasgear™
Bodies: PP, PVDF
Discs: PP, PVDF
Seats & Seals: EPDM, FKM, nitrile
Stems: 403 Stainless steel, 316 stainless steel, titanium, Hastelloy®
Lugs: 316 Stainless steel



Sediment Strainers

Sizes: 1/2" - 4"

Models: Socket, threaded, flanged (ANSI)

Body: PVC

Screens: Standard 20 mesh PVC (optional 30 and 40) (20, 40 and 60 stainless steel)

Seals: EPDM, FKM

NSF-61 Certified

(1/2" - 4" PVC/EPDM/FKM)



Globe Control Valves

Sizes: 1/2" - 4"

Materials: PVC, PP, PVDF, PTFE

Model: Flanged (ANSI)

Stem Seal: PTFE bellows

Valve Seal: FKM, EPDM, PTFE encapsulated FKM

Flow Curves: Linear or equal percentage

Rangeability: 1:10

Actuation: Electric or pneumatic

Operators: 3 - 15 positioner, 4 - 20 positioner



Wafer Check Valves

Sizes: 3" - 12"

Body: PVC

Seats: EPDM, FKM

Options: SWP-B (stainless steel) spring, ETFE coated

Available in ANSI, DIN or JIS pattern



AV Gaskets

Materials/Sizes:

EPDM: 1/2" - 12"

PTFE-bonded EPDM: 1/2" - 12"

PVDF-bonded EPDM: 1/2" - 10"

(except 1-1/4" and 2-1/2")



Butterfly Valve Features

Plasgear™ (Plastic Gear)

Plasgear™ is standard on all Asahi/America 1-1/2" - 14" Type-57P butterfly valves and 16" Type-56 butterfly valves; it can also be supplied without the valve. Constructed of composite plastic with black urethane coating, Plasgear™ will not corrode or rust as a result of exposure to harsh chemicals.



Ball Valve Options

Operating Nuts

Available in 2" square nut or "T" nut configurations. Used for remote operation of a valve by a wrench.



Type-21 Ball Valve Locking Handles

Prevents unauthorized operation of the valve. Available in sizes 1/2" - 4" (only sizes 2-1/2" - 4" require tool for installation).



Butterfly Valve Options

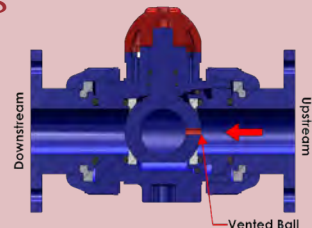
Speed Handle™

The Speed Handle™ is an accessory added to the Plasgear™ gear operator for butterfly valves. The revolving grip permits faster, single-handed revolutions of the hand wheel for quicker valve actuation.



Vented Ball Valves

Prevents off-gas build up in sodium hypochlorite applications. We can factory-equip our ball valves with an 1/8" vent hole. This provides a longer valve life and safer operation.



Chain Operator

Installed on the round handwheel of a valve in overhead, out-of-reach locations. The valve is operated by pulling on the chain.



Stem Extension Kits

Type-21 ball valve stem extension kits are the ideal solution for accessing valves that are installed in out-of-reach locations.



Electric Actuators & Accessories

Series 19 CAV Com Pack® Electric Actuators

Sizes: C20 for Type-21, Type-23, and Type-27 ball valves

Model: Type-21, Type-23: On/off, failsafe
Type-27: On/off

Enclosure: NEMA 4X

Voltage: 95 VAC to 265 VAC and 24 VAC/VDC

Torque: 177 in-lbs

Valve Options: Available as valve and actuator package with Type-21 ball valves, Type-23 Multiport™ ball valves, and Type-27 ball valves

Conduit: 2 meter flying leads as standard



Series 19 SAV Smart Pack® Electric Actuators

Sizes: S20, S50, S110

Models: On/off, failsafe, modulating, modulating failsafe

Enclosure: NEMA 4X

Voltage: 95 to 265 VAC multi-voltage

Torque: 177 in-lbs to 973 in-lbs

Valve Options: Available as valve and actuator package with Type-21 Type-21a SST ball valves, Type-23 Multiport™ ball valves, and Type-57 series butterfly valves

Conduit: 2 meter flying leads as standard



Series 19 MAV MultiPack® Electric Actuators

Sizes: S20, S50

Models: On/off, modulating

Enclosure: NEMA 4X

Voltage: 95 to 265 VAC multi-voltage, 24 VAC/VDC

Torque: 177 in-lbs to 442 in-lbs

Valve Options: Available as valve and actuator package with Type-14 diaphragm valves and Type-C gate valves

Conduit: 2 meter flying leads as standard



Series 92 Electric Actuators

Torque: 400 in-lbs to 2,000 in-lbs

Voltage: 120 VAC

Enclosure: NEMA 4X and NEMA 7

Conduit: 2 x 1/2 NPT

Manual Override: Declutching

Options: Voltages, auxiliary contacts, heater, positioners, transmitter, explosion-proof enclosure

Valve Options: Can be mounted on Type-21/21a ball valves, Type-23 Multiport™ ball valves, and Type-57P butterfly valves



UL-508 LISTED
UL-1203
ATEX Exd 11B T4

Series 94 Electric Actuators

Torque: 150 in-lbs to 300 in-lbs

Voltage: 120 VAC

Enclosure: NEMA 4X

Conduit: 2 x 1/2 NPT

Manual Override: Declutching

Options: Voltages, auxiliary contacts, heater, positioners, transmitter

Valve Options: Can be mounted on Type-21/21a ball valves, Type-23 Multiport™ ball valves, Type-57P butterfly valves, and Type-75 butterfly valves



UL-508 LISTED

Series 17 Electric Actuators

Torque: 350 in-lbs

Voltage: 85 - 265 VAC and 24 VDC

Enclosure: NEMA 4X/6

Conduit: Flying leads

Manual Override: Declutching

Auxiliary Contacts: Two-SPDT switches

Heater: 2 Watts

Valve Options: Can be mounted on Type-21/21a ball valves, Type-23 Multiport™ ball valves, and Type-57P butterfly valves



Local/Remote Stations

- Used in conjunction with Series 10, Series 92, or Series 94 electric actuators
- NEMA 4X enclosure open/close selector
- Switch and indicator lights 120 VAC



Series 10 Electric Actuators

Torque: 1,320 in-lbs to 26,040 in-lbs

Voltage: 110 VAC

Enclosure: NEMA 4X/6

Conduit: 2 x 3/4 NPT

Manual Override: Declutching

Auxiliary Contacts: Two-SPDT switches

Heater: 7 - 10 Watts

Options: Voltages, positioners, transmitter, explosion-proof enclosure



CSA
ATEX

Series 79 Pneumatic Actuators

Models: A79P - M79P

Torque: 50 in-lbs to 44,611 in-lbs

Action: Single acting, double acting

Air Supply: 80 - 120psi (can adjust springs for lower air supply)

Materials: PAG, 316 stainless steel, Rilsan-coated aluminum

Design: Rack and pinion

Options: Filter regulator, solenoids, limit switches, positioners, declutchable manual override; can adjust springs for lower air supply

Valve Options: Can be mounted to Type-21/21a ball valves, Type-23 Multiport™ valves, and Type-57P butterfly valves



Type-14 Pneumatic Actuators

Sizes: 1/2" - 4"

Models: Air-to-air, air-to-spring

Indication: Top visual indication of valve position

Air Supply: 60 - 90psi

Bodies: PVC, CPVC, PP, PVDF

Bonnet: PPG

Options: Solenoids, limit switches, positioners



Series 79 PST A202DN

Input Current: 4 to 20mA

Supply Air Pressure: 60 - 100psi

Resolution: 0.2% of span

Linearity: 0.5% of span

Hysteresis: 0.5% of span

Repeatability: 0.3% of span

Air Connection: 1/4" NPT

Conduit Entry: 1/2" NPT



Type-14 PST A202DN

Input Current: 4 to 20mA

Supply Air Pressure: 60 - 90psi

Resolution: 0.2% of span

Linearity: 0.5% of span

Hysteresis: 0.5% of span

Repeatability: 0.3% of span

Air Connections: 1/4" NPT

Conduit Entry: 1/2" NPT



Series 79 PST 101

Input Signal: 3 - 15psi

Supply Air Pressure: 60 - 100psi

Air Consumption: 0.4 CFM at 60psi

Linearity: 2% of span

Hysteresis: 1% of span

Repeatability: 0.5% of span

Air Connection: 1/4" NPT



Type-14 PST 101

Input Signal: 3 - 15psi

Supply Air Pressure: 60 - 90psi

Air Consumption: 0.4 CFM at 60psi

Linearity: 2% of span

Hysteresis: 1% of span

Repeatability: 0.5% of span

Air Connections: 1/4" NPT



Fast Pack Valve & Actuator Packages

- Electric or pneumatic actuators mounted on ball or butterfly valves
- Ten different options to choose from

**SHIPS WITHIN
24 HOURS FROM
TIME OF ORDER!**



Industrial Piping Systems



Proline® PP Piping System



SDR 11, 150psi: 20 - 500mm (1/2" - 20")
SDR 17, 90psi: 63 - 1200mm (2" - 48")
SDR 33, 45psi: 110 - 1200mm (4" - 48")
 (Other sizes and SDRs available up to 1400mm (55"))
Welding: Butt, socket, electrofusion

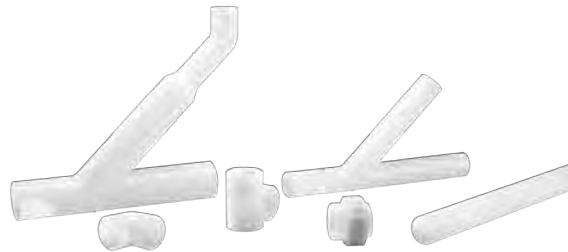
NSF-61 Certified

Ultra Proline® ECTFE (Halar®) Piping System



SDR 21, 150psi: 20 - 160mm (1/2" - 6")
Welding: Butt

Super Proline® PVDF (Chemical Grade) Piping System



SDR 21, 230psi: 20 - 315mm (1/2" - 12")
SDR 33, 150psi: 90 - 400mm (3" - 16")
Welding: Butt, socket

Chem Proline® Advanced PE Piping System



SDR 11, 150psi: 20 - 315mm (1/2" - 12")
Welding: Butt, socket, electrofusion

NSF-61 Certified



Air-Pro® Specially Formulated PE Compressed Air Piping System



AIR-PRO
Compressed Air Piping

SDR 7.4, 230psi: 20 - 110mm (1/2" - 4")
SDR 11, 150psi: 160 - 315mm (6" - 12")
Welding: Butt, socket, electrofusion

Pro-Vent® Duct System



PP: 63mm - 1200mm (2" - 48")
PPs: 63mm - 1200mm (2" - 48")
PPs-el: 8mm - 400mm (4" - 16")
PE: 90mm - 1200mm (3" - 48")
PVDF: 63mm - 400mm (2" - 16")
Welding: Hot air or extrusion welding

Pressure Regulators/ Pressure Relief Valves



Sizes: 20mm - 110mm (1/2" - 4")
Models: Pressure regulators, back pressure regulators, relief valves for industrial and high purity piping systems
Materials: PVC, PP, PPn, PVDF, ECTFE

Asahi/America's Air-Pro® compressed air piping system has a 10-year limited product warranty. Scan the QR code or visit our website at asahi-america.com/support/warranty-policy for full terms and conditions.



Double Containment Piping Systems

Poly-Flo® Co-extruded Double Contained Piping System



Materials: Proline® PP-R, Chem Proline® Advanced PE
Pipe & Fittings: 1" x 1-1/2" (32 x 50mm), 2" x 3" (63 x 90mm), 4" x 6" (110 x 160mm), and 6" x 9" (160 x 225mm)
Welding: Simultaneous butt fusion

Duo-Pro® Engineered Double Contained Piping System



Materials: Proline® PP, Super Proline® Chem Grade PVDF, Ultra Proline® ECTFE, Chem Prolok® Advanced PE
Pipe & Fittings: 1/2" x 2" - 16" x 20"
Welding: Simultaneous butt fusion, staggered butt fusion
NSF-61 Certified
(Chem Proline® Advanced PE and Proline® PP components used)

Fluid-Lok® PE Double Contained Piping System



Material: PE 4710
Pipe and Fittings: 1" x 3" - 24" x 32"
Welding: Simultaneous butt fusion

Pro-Lock® PVC & CPVC Double Contained Piping System



Materials: PVC, CPVC (clear PVC also available)
Pipe & Fittings: 1/2" x 2" - 4" x 8"
Welding: Staggered solvent cement joint

LiquidWatch II® Electronic Leak Detection Systems



- A flexible, modular low-point system based on inline probes
- For underground pressure systems of hazardous chemicals

PAL-AT™ Cable Leak Detection Systems



- A continuous leak detection cable system that can also incorporate low point probes
- Continuous sensing cable, low-point sensors, or a combination of components, cable and probes
- For underground pressure systems of hazardous chemicals



Purad® PVDF Ultra High Purity Piping System



SDR 21, 230psi: 20 - 315mm (1/2" - 12")
SDR 33, 150psi: 90 - 315mm (3" - 12")
Welding: IR/butt, beadless, electrofusion

PP-Pure® PP High Purity Piping System



SDR 11, 150psi: 20 - 315mm (1/2" - 12")
Welding: IR/butt, beadless

PolyPure® PP Natural High Purity Piping System



SDR 11, 150psi: 20 - 110mm (1/2" - 4")
Welding: IR/butt, socket, beadless

High Purity Accessories



- T-342 and T-343 (with sanitary end connection options)
- Z801 gauge guard
- Gooseneck faucets
- Seal clean gaskets
- Pressure regulators

Dymatrix™ Specialty Valves

Multiport Valves

Sizes: 1/8" - 1"

Materials: PP, PPN, PVDF, ECTFE, PTFE, PFA

Actuation: Manual, pneumatic
Options: Electric solenoid, feedback switches

Connections: Flare, S-300, NPT, compression, triclamp, other options available



Diaphragm Valves

Sizes: 1/4" - 1"

Materials: PFA, PTFE

Actuation: Manual, pneumatic

Connections: Flare, S-300, NPT, other options available



Pressure Regulators

Sizes: 1/4" - 1"

Materials: PFA, PTFE

Actuation: Manual, pneumatic

Flow Ranges:

LF: 10 - 500 mL/min

MF: 0.4 - 15 L/min

HF: 5 - 50 L/min

SHF: 10 - 100 L/min

Connections: Flare, S-300



Needle Valves

Sizes: 1/4" - 1/2"

Materials: PFA, PTFE

Actuation: Manual

Connections: Flare, S-300, tube, specialty



Pinch Valves

Sizes: 1/4" - 1"

Actuation: Manual, pneumatic

Connections: Flare, S-300



Specialty Integrated Valves

- Engineered application specific solutions that combine multiple types of Dymatrix™ valves onto a single manifold block
- **Key Attributes:** Compact design, reduced fittings, and dead legs



Diverting Valves

Sizes: 1/4" - 1/2"

Body Materials: PTFE

Diaphragm: PTFE, PCTFE

O-Ring (non-wetted): FKM,

EPDM, Viton F, Kalrez®

Connections: Flare, S-300

Operation: Pneumatic



Industrial Dymatrix™ Valves

The Dymatrix™ product line includes PVC valves with PTFE diaphragms for DI water and chemical applications*.

- Poppet valves (HDV12/ HDVR)
- Water hammer valves (HDVW)
- Quick drain valves (AVQDV)
- Ball valves (AVBVX)

*Note: Visit our website www.asahi-america.com for more information and data sheets





Specialty Fittings and Valves

Compression Fittings

Series 1C and 1+
Sizes: 1/4" - 3/4"
Materials: PP, PFA in stock



Series 6 Ball Valves

Sizes: 1/8" - 1/2"
Materials: PP, PPn, PVDF, PFA - up to 13 port valves available



Series 1D Flare Fittings

Sizes: 1/4" - 3/4"
Materials: PP, PFA in stock



Series 6 Needle Valves

Sizes: 1/8" - 1/2"
Materials: PP, PPn, PVDF, PFA - up to 13 port valves available





WELDING
SELECTION
CHART

Miniplast® System powered by the McElroy Polygon™ LT

Butt Fusion:
20mm - 110mm (1/2" - 4" nominal)

Materials:
[See Welding Selection Chart](#)



Maxiplast® System powered by the McElroy Polygon™

Butt Fusion:
63mm - 160mm (2" - 6" nominal)

Materials:
[See Welding Selection Chart](#)



Hydraulic Welding Tools

Butt Fusion:
63mm - 630mm (2" - 24" nominal)

Materials:
[See Welding Selection Chart](#)



Rolling 618

Butt Fusion:
160mm - 450mm (6" IPS - 18" IPS)

Materials:
[See Welding Selection Chart](#)



Productivity Package

Butt Fusion:
250mm - 630mm (10" - 24" nominal)

Materials:
[See Welding Selection Chart](#)



Polymatic Tool

Electrofusion:
Single wall piping systems

Materials:
PE, PP



SmartFab™ 125

Socket Fusion:
20mm - 125mm (1/2" - 4-1/2")

Materials:
[See Welding Selection Chart](#)



Hand Socket Welder Tool

Socket Fusion:
20mm - 63mm (1/2" - 2")

Materials:
[See Welding Selection Chart](#)



Hot Air Weld Tool

Hot Air Welding:
3mm - 4mm round rod and 5mm x 7mm triangular

Materials:
PVC, PE, PP, PVDF



Extrusion Welder Tool

Extrusion Welding:
3mm - 5mm (1/8" - 3/16")

Materials:
PP, PPs, PPs-EI, PE, PVDF



SP Series Welding Equipment

SP 63-S Mobile V3

IR Fusion:

20mm - 63mm (1/2" - 2")

Materials:

PE 100-RC, PP, PVDF, ECTFE



SP 110-S V3

IR Fusion:

20mm - 110mm (1/2" - 4")

Materials:

PE 100-RC, PP, PVDF, PFA, ECTFE, Poly-Flo®



SP 250-S V3

IR Fusion:

90mm - 250mm (3" - 10")

Materials:

PE 100-RC, PP, PVDF



SP 315-S V3

IR Fusion:

90mm - 315mm (3" - 12")

Materials:

PE 100-RC, PP, PVDF



EF 110-B

Beadless Electrofusion:

20mm - 63mm (1/2" - 2")

Materials:

Only PVDF



SP 110-B

Beadless Fusion:

20mm - 110mm (1/2" - 4")

Materials:

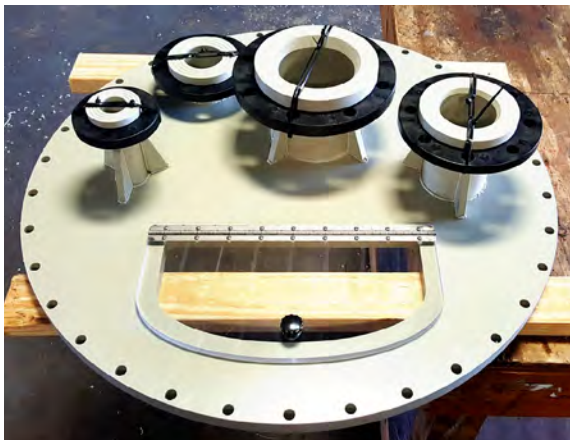
PP, PVDF



Your Experts in Custom Fabrication

From concept to completion, we're dedicated to supporting you. Asahi/America's experienced team of application engineers and fabrication personnel will work to accommodate your system's unique needs with our wide range of corrosion resistant thermoplastic materials. Some of our capabilities include:

- Pre-fabricated pipe spools
- Manifolds & distribution headers
- Double containment pipe & valves
- Mitered fittings
- Tank & vat fume covers
- Duct work
- Storage tanks
- Machined components
- High purity pipe spools & valves
- Manholes, sumps & catch basins
- Vessel internals, dip pipes & spargers







Another Corrosion Problem Solved.[™]

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