

Thermoplastic Valves and Piping Systems



Thermoplastic Valves and Actuators • Industrial, Environmental and Commercial Piping Systems
High Purity Piping Systems • Wet Process Solutions • Welding Equipment

Another
Corrosion
Problem
Solved.™



3 Year Warranty on
Valves & Actuators





Asahi/America pioneered the market for thermoplastic valves in the United States and Latin America during a time when there was no viable alternative to metal for piping systems. Asahi/America began by promoting valves from a company known as ASAHI YUKIZAI CORPORATION and piping through AGRU GmbH in Austria. Through distributor and end-user education and acceptance, the use of thermoplastics has grown. Asahi/America now manufactures and distributes thermoplastic products including valves, actuators, single and double wall piping systems and components throughout the United States, Latin America and Australia.

Asahi/America has partnered with the world's leading plastics companies to provide you the best thermoplastic fluid flow solutions available on the market today.



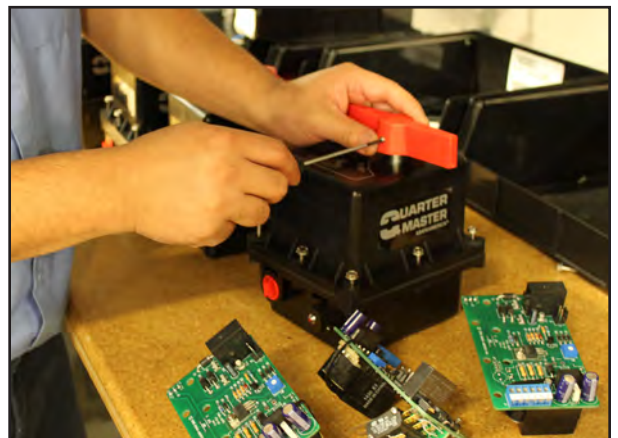
Plastics. Performance. Purity. Problem Solved.

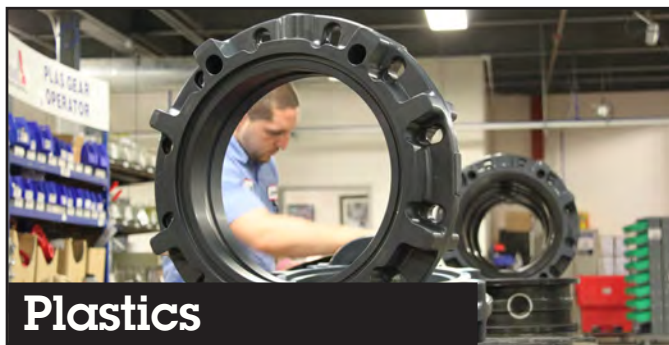
Asahi/America is a diversified ISO9001:2008 certified manufacturer and supplier of corrosion resistant fluid flow products. Headquartered in Lawrence, Massachusetts, where we operate a 200,000-square-foot manufacturing and warehouse facility, Asahi/America supports all of our products with a comprehensive selection of in-depth technical documents and product catalogs. To access any of Asahi/America's technical documentation, testing information, or product catalogs, visit the company's web site at www.asahi-america.com or contact Customer Service at 1-800-343-3618.

What makes Asahi/America special is our ability to provide solutions for corrosive or high purity fluid handling systems individualized to meet virtually any customer's need. The Asahi/America technical staff is able to provide superior knowledge of products, applications and installations. Asahi/America is ready to support your next project with the assistance of our large distribution network.

Interested in purchasing any of Asahi/America's products?

Asahi/America sells its products through the industry's largest distributor network with stocking locations nationally and throughout Latin America and Australia. If you wish to locate your local Asahi/America distributor, contact our Customer Service department at 1-800-343-3618 or visit our web site at www.asahi-america.com and select the where to buy link at the top of the home page.





Plastics

Plastics: Valves and Actuators

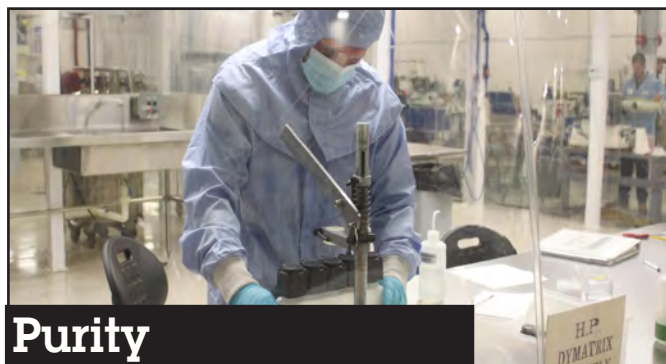
Asahi/America's valve and actuation products have been used in the field for over four decades. We feature a full complement of thermoplastic valves including ball, butterfly, diaphragm, globe, gate, ball and wafer check. In addition, both pneumatic and electric actuators are available to be factory mounted to our valves in our shop or purchased separately for field mounting.

Performance: Thermoplastic Piping Systems

Asahi/America offers a full selection of industrial, environmental and commercial piping systems. We feature a wide array of industrial single wall piping systems including Chem Proline® (Advanced PE), Ultra Proline® (Halar®), Proline® (polypropylene) and Super Proline® (chemical grade PVDF). In addition, our Air-Pro® system is used for compressed air and Pro-Vent® system for ducts. We have five unique double containment systems including Poly-Flo® (Advanced PE and PP-R), Pro-Lock® (PVC and CPVC), Fluid-Lok® (HDPE), Chem Prolok® (Advanced PE) and the versatile Duo-Pro® line.



Performance



Purity

Purity: High Purity and Wet Process Solutions

Asahi/America is the complete one-source solution for your high purity and wet process needs. We feature Purad® (PVDF), PolyPure® (PPn), PP-Pure® (pigmented PP), Purflon® (PFA) high purity piping systems, Dymatrix™ specialty valves, and EM Technik fittings and tubes. We also offer a full fleet of welding equipment, and extensive cleanroom fabrication capabilities.

Problem Solved

Our valves, actuators and piping systems have been solving corrosion problems in the world's leading industrial, municipal and entertainment installations for more than four decades. From the harshest chemicals to the toughest weather conditions, our family of fluid flow solutions provides extended life cycle and dependable performance to a wide range of applications.

- Chemical Processing
- Petrochemical
- Mining
- Pulp and Paper
- Plating
- Pharmaceutical
- Food
- Semiconductor Processing
- Municipal & Industrial Water
- Wastewater Treatment
- Aquariums
- Landfill Recovery
- Ultra Pure Water
- Theme Parks
- Cruise Ship Construction
- Solar Panel Manufacturing
- Ethanol Production
- Railroad Yard Switching Systems



Problem Solved



Thermoplastic Valves

Type-21/21a Ball Valve

Specifications

Sizes: 1/2" - 6"

Models: PVC and CPVC: Socket, Threaded and Flanged (ANSI)
PP and PVDF: IPS or Metric (DIN) Socket, Threaded, Butt and Flanged (ANSI)

Bodies: PVC, CPVC, PP or PVDF

Seats: PTFE backed with EPDM or FKM

Seals: EPDM, FKM or AFLAS®



NSF-61 Approved

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

Type-23 Multiport® Ball Valve

Specifications

Sizes: 1/2" - 6"

Models: Socket, Threaded and Flanged (ANSI)

Bodies: PVC, CPVC, PP, PVDF

Seats: PTFE backed with EPDM or FKM

Seals: EPDM, FKM or AFLAS®



NSF-61 Approved

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

Omni® Type-27 Ball Valve

Specifications

Sizes: 3/8" - 2"

Models: Socket or Threaded

Bodies: PVC, CPVC

Seats: PTFE backed with EPDM

Seals: EPDM



NSF-61 Approved

(3/8" - 2" PVC/EPDM)

Electromni® Type-27 Ball Valve

Specifications

Sizes: 3/8" - 2"

Models: Socket and Threaded

Voltages: 115/VAC

Enclosure: Type 4X

Conduit: 1/2" NPT

Valves: Omni® Type-27 Ball Valve
Type-21 Ball Valve
Type-23 Multiport®



Labcock® Ball Valve

Specifications

Size: 1/4"

Bodies: PVC

Seats: EPDM

Seals: EPDM

Models: Male Thread x Male Thread, Male Thread x Hose (ID 3/8"), Male Thread x Female Thread, Male Thread x Hose, Hose x Hose, Female Thread x Female Thread, Male Thread Elbow (OD .63") 90°



NSF-61 Approved

(1/4" PVC/EPDM)

Type-14 Diaphragm Valve

Specifications

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

1/2" - 10" - Flanged (ANSI)

Body: PVC, CPVC, PP or PVDF

Bonnet: PVC, PP, PPG or PVDF

End Connectors: PVC, CPVC, IPS Socket or

Threaded PP, PVDF, IPS

or Metric (DIN) Socket,

Threaded, Butt, Flanged

Diaphragms: EPDM, 3-Layer PTFE or FKM



Globe Valve

Specifications

Sizes: 1/2" - 4"

Bodies: PVC or PP

Models: Flanged (ANSI) 1/2" - 4"

Socket or Threaded 1/2" - 2"

Seals: EPDM or FKM



Gate Valve

Specifications

Sizes: 1-1/2" - 14"

Body: HI-PVC

Models: Flanged (ANSI)

Type: Non-rising stem

Seals: EPDM or FKM

NSF-61 Approved

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



Type-57P Butterfly Valve

Specifications

Sizes: Lever: 1-1/2" - 8" Gear: 1-1/2" - 14"

Models: Wafer Style

Operators: Lever or Gear

Bodies: PVC, CPVC, PP, PVDF

Discs: PVC, CPVC, PP, PVDF

Seats and Seals: EPDM, FKM or Nitrile

Stems: 316 Stainless Steel, Titanium, Hastelloy®



NSF-61 Approved

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

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

Type-57 IL Butterfly Valve

Specifications

Sizes: Lever: 3" - 8" or Gear: 3" - 12"

Models: Lug Style

Operators: Lever and Gear

Bodies: PVC

Discs: PVC PP and PVDF

Seats and Seals: EPDM, FKM or Nitrile

Stems: 316 Stainless Steel, Titanium, Hastelloy®

Lugs: 316 Stainless Steel



Type-57 LIS Butterfly Valve

ISO-5752 short face to face

Specifications

Sizes: 3" - 8"

Models: Wafer or Lug Style

Operators: Lever or Gear

Bodies: PVC

Discs: PVC, CPVC, PP and PVDF

Seats and Seals: EPDM, FKM or Nitrile

Stems: 316 Stainless Steel, Titanium, Hastelloy®

Lugs: 316 Stainless Steel



Type-75 Butterfly Valve

Specifications

Sizes: 18" - 24"

Models: Wafer Style or Machined Lug Style

Operators: Gear

Bodies: PP or PVDF

Discs: PP or PVDF

Seats and Seals: EPDM, FKM or Nitrile

Stems: 403 Stainless Steel, 316 Stainless Steel, Titanium, Hastelloy®

Lugs: 316 Stainless Steel



Large Diameter Butterfly Valve

Specifications

Sizes: 28" - 48"

Models: Wafer Style

Operators: Gear

Bodies: PDCPD

Discs: PDCPD, PP, PVDF

28" - PP or PVDF (disc only)

Seats and Seals: EPDM, FKM

Stems: 403 Stainless Steel,



High Pressure Butterfly Valve

Specifications

Sizes: 16" - 24"

Models: Wafer Style

Operators: Gear

Bodies: PDCPD

Discs: PP or PVDF

Seats and Seals: EPDM, FKM or Nitrile

Stems: 403 Stainless Steel, 316 Stainless Steel, Titanium, Hastelloy®



Type-55 IS Butterfly Valve

ISO-5752 short face to face

Specifications

Sizes: Lever: 2" - 5" Gear: 2"-16"

Models: Wafer

Operators: Lever or Gear

Bodies: Powder coated ductile construction iron

Discs: PTFE

Seats and Seals: PTFE backed with Neoprene

Stems: 304 Stainless Steel



Pool-Pro® Butterfly Valve

Specifications

Sizes: 1-1/2" - 12"

Models: Wafer Style

Operators: Lever or Gear

Bodies: PVC

Discs: PVC

Seats and Seals: EPDM

Stems: Stainless Steel



Butterfly Valve Options

Plasgear™ - Plastic Gear

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



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



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.



AV Gasket

Specifications

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")



Constant Flow Valve

Specifications

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

Body: PVC

Bonnet: PVC

Models: Flanged (ANSI)

Seals: EPDM

Springs: 304 Stainless Steel with ETFE Coating



Ball Valve Options

Operating Nuts

Available in 2" square nut or "T" nut configurations.



Used for remote operation of a valve by a wrench.

Locking Handle

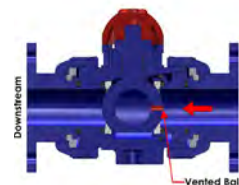
Prevents unauthorized operation.

The valve handle can be padlocked in the open or closed position.



Vented Ball Valve

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



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.



Sediment Strainer

Specifications

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 Approved

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



Strainer Drain Kit Option



Thermoplastic Valves

Ball Check Valve

Specifications

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

Single Union: 3" - 4"

Models: Socket, Threaded, Flanged (ANSI), Butt

Bodies: PVC, CPVC, PP or PVDF

Seats: EPDM, FKM, PTFE

Seals: EPDM, FKM, PTFE

Options: Foot Valve Screen and Stainless Steel Springs

NSF-61 Approved

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



Foot Valve Screens

Specifications

Sizes: 1/2" - 4"

Bodies: PVC, CPVC, PP or PVDF

Seats: EPDM, FKM, PTFE

Seals: EPDM, FKM, PTFE



Swing Check Valve

Specifications

Sizes: 3/4" - 8"

Models: Flanged (ANSI)

Bodies: HI-PVC, PP or PVDF

Seats: EPDM, FKM, PTFE

Options: Lever and Weight
Stainless Steel Springs



Wafer Check Valve

Specifications

Sizes: 3" - 12"

Bodies: PVC

Seats: EPDM, FKM

Options: SWP-8 (Stainless Steel) Spring, ETFE Coated



Available in ANSI, DIN or JIS pattern.

Fast Packs - Valve/Actuator Packages

- Ten different styles
- Ships within **24 hours** from time of order
- Electric or pneumatic actuators
- Ball or butterfly valve



Globe Control Valve

Specifications

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

Actuator: Electric or Pneumatic

Operators: 3-15 positioner

4-20 positioner



Frank Pressure Regulators/Pressure Relief Valves



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

Models: Pressure Regulators, Back Pressure Regulators, Relief Valves

Materials: PVC, PP, PPn, PVDF, ECTFE



Series 94 Electric Actuator

Specifications

Torque: 150, 300 in/lbs.
Voltage: 120VAC
Enclosure: Type 4X
Conduit: 2 x 1/2 NPT
Manual Override: Declutching

Options:

Voltages, Auxiliary Contacts,
 Heater, Positioners,
 Transmitter



UL-508 LISTED

Series 92 Electric Actuator

Specifications

Torque: 400-2000 in/lbs.
Voltage: 120VAC
Enclosure: Type 4X
Conduit: 2 x 1/2 NPT
Manual Override: Declutching

Options:

Voltages, Auxiliary Contacts,
 Heater, Positioners,
 Transmitter,
 Explosion Proof Enclosure



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

Series 17 Electric Actuator

Specifications

Torque: 350 in/lbs
Voltage: 85-265VAC
Enclosure: Type 4X/6
Conduit: Flying Leads
Manual Override: Declutching
Auxiliary Contacts: 2- SPDT switches
Heater: 7-10 Watts

Can be mounted on the following:

Type-21 & Type-23 ball valves
 Type-57P butterfly valves



Shown with
 Type-21
 ball valve

Series 10 Electric Actuator

Specifications

Torque: 1320-26,040 in/lbs.
Voltage: 110VAC
Enclosure: Type 4X/6
Conduit: 2 x 3/4 NPT
Manual Override: Declutching
Auxiliary Contacts: 2- SPDT switches
Heater: 7-10 Watts

Options:

Voltages, Positioners,
 Transmitter, Explosion Proof Enclosure



Shown with
 Type-57P
 butterfly valve

Local/Remote Station

Used in conjunction with
 Series 92, Series 94 or Series 10
 electric actuators.

NEMA Type 4X enclosure
 Open/Close selector
 Switch and indicator lights
 120VAC.



Series 79 Pneumatic Actuator

Specifications

Models: A79P - M79P

Torque: 50 in/lbs. - 44,611 in/lbs.

Action: Single Acting
Double Acting

Air Supply: 60 - 120psi

Material: PAG, 316SS, Rilsan Coated Aluminum

Design: Rack and Pinion

Options: Filter Regulator, Solenoids, Limit Switches, Positioners, Declutchable Manual Override



Type-14 Pneumatic Actuator

Specifications

Sizes: 1/2" - 2"

Models: Air-to-Air, Air-to-Spring

Indication: Top visual indication of valve position

Air Supply: 60 - 90psi

Bodies: PVC, CPVC, PP and PVDF

Bonnet: PPG



Series 79 PST A202DN

Specifications

Input Current: 4 to 20mA

Supply Air Pressure: 60 to 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

Specifications

Input Current: 4 to 20mA

Supply Air Pressure: 60 to 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

Specifications

Input Signal: 3-15psi

Supply Air Pressure: 60 to 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

Specifications

Input Signal: 3-15psi

Supply Air Pressure: 60 to 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





Material

- Advanced PE

Pipe and Fittings

- 20 - 315mm (1/2" - 12")
SDR 11, 150psi

Valves

- Type-21 ball valves: 20 - 110mm (1/2" - 4")
- Type-57P butterfly valves: 50 - 315mm (1-1/2" - 12")
- Type-14 diaphragm valves: 20 - 250mm (1/2" - 10")
- Ball check valves: 20 - 110mm (1/2" - 4")

Welding

- Butt, socket, electrofusion

NSF-61-G Approved



Proline®



Material

- PP

Pipe and Fittings

- 20 - 500mm (1/2" - 20") SDR 11, 150psi
 - 110 - 1200mm (4" - 48") SDR 33, 45psi
- (Other sizes and SDRs available up to 1400 (55"))

Valves

- Type-21 ball valves: 20 - 110mm (1/2" - 4")
- Type-57P butterfly valves: 50 - 1400mm (1-1/2" - 55")
- Type-14/15/G diaphragm valves: 20 - 200mm (1/2" - 10")
- Ball check valves: 20 - 110mm (1/2" - 4")
- Frank series regulating valves: 20 - 110mm (1/2" - 4")

Welding

- Butt, socket, electrofusion

NSF-61-G Approved



Super Proline®



Material

- PVDF (Chemical Grade)

Pipe and Fittings

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

Valves

- Type-21 ball valves: 20 - 110mm (1/2" - 4")
- Type-57P butterfly valves: 50 - 315mm (1-1/2" - 12")
- Type-14 diaphragm valves: 20 - 63mm (1/2" - 4")
- Ball check valves: 20 - 110mm (1/2" - 4")
- Frank series regulating valves: 20 - 75mm (1/2" - 2-1/2")

Welding

- Butt, socket

Ultra Proline®



Material

- ECTFE (Halar®)

Pipe and Fittings

- 20 - 110mm (1/2" - 4")
SDR 21, 150psi

Valves

- Ball valves: 20 - 32mm (1/2" - 1")
- T-342 diaphragm valves: 20 - 63mm (1/2" - 2")
- Frank series regulating valves: 20 - 63mm (1/2" - 2")

Welding

- Butt

Air-Pro® Compressed Air Piping



Material

- HDPE

Pipe and Fittings

- 20 - 110mm (1/2" - 4")
SDR 7.4, 230psi
- 160 - 315mm (6" - 12")
SDR 11, 160psi

Valves

- Ball valves: 20 - 63mm (1/2" - 2")

Welding

- Butt, socket, electrofusion

Asahitec™ Plumbing & HVAC Piping Systems



Material

- PP-RCT

Pipe and Fittings

- Socket fusion 20-125mm (1/2" - 4-1/2")
- Molded butt fusion 160-630mm (6" - 24")

Valves

- Type-21 ball valve: 20 - 110mm (1/2" - 4")
Materials: PP /EPDM body with PP-RCT end connectors
- Type-57P butterfly valve: 50 - 500mm (1-1/2" - 16")
Materials: PP/EPDM
- Type-14 True union diaphragm valve: 20 - 63mm (1/2"-2")
Materials: PP/EPDM

Welding

- Butt, socket, electrofusion

Pro-Vent® Duct System



Materials and Sizes:

PP	63mm - 1200mm (2" - 48")
PPs	63mm - 1200mm (2" - 48")
PPs-el	90mm - 400mm (3" - 16")
PE	90mm - 1200mm (3" - 48")
PVDF	63mm - 400mm (2" - 16")

Welding: Hot air or extrusion welding



Poly-Flo®



Materials

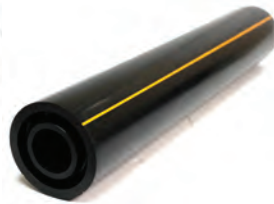
- Proline® PP-R, Chem Proline® Advanced PE

Pipe and Fittings

- 1x1-1/2 (32x50mm), 2x3 (63x90mm) and 4x6 (110x160mm)

Welding

- Simultaneous butt fusion



Materials

- Advanced PE x PE100, Advanced PE x Advanced PE

Pipe and Fittings

- 1x3 through 12x16

Welding

- Simultaneous butt fusion

NSF-61-G Approved



Fluid-Lok®



Materials:

- PE 4710

Pipe and Fittings

- 1x3 though 24x32

Welding

- Simultaneous butt fusion



Duo-Pro®



Materials

- Proline® PP-R, Super Proline® Chem Grade PVDF, Ultra Proline® ECTFE

Pipe and Fittings

- 1x3 through 16x20

Welding

- Simultaneous or staggered butt fusion

Pro-Lock®



Materials

- PVC, CPVC (Clear PVC also available)

Pipe and Fittings

- 1/2x2 through 4x8

Welding

- Simultaneous and staggered solvent cement joint

Leak Detection Systems

For underground pressure systems of hazardous chemicals.

Options

Continuous sensing cable, low point sensors, or a combination of components, cable and probes.



• PAL-AT™:

A continuous leak detection cable system that can also incorporate low point probes.

• Liquid Watch II®:

A lexible, modular low point system based on inline probes.

PURAD[®] PVDF Piping



Material

- PVDF (Ultra High Purity)

Pipe and Fittings

- 20 - 315mm (1/2" - 12")
SDR 21, 230psi
- 90 - 315mm (3" - 12")
SDR 33, 150psi

Valves

- T-342 diaphragm valves: 20 - 110mm (1/2" - 4")
- T-343 zero dead leg (ZDL) valves: 20 - 160mm (1/2" - 6")
- Type-21 ball valves: 20 - 110mm (1/2" - 4")
- Frank series regulators: 20 - 75mm (1/2" - 2-1/2")

Seals and O-rings

- Diaphragm valves and regulators: PTFE
- Ball valves and unions: FKM (PTFE available)

Welding

- IR/Butt, socket, beadless, electrofusion

POLYPURE[®] PP Piping



Material

- PP Natural

Pipe and Fittings

- 20 - 110mm (1/2" - 4")
SDR 11, 150psi

Valves

- T-342 diaphragm valves:
20 - 63mm (1/2" - 2")
- T-343 zero dead leg (ZDL) valves:
20 - 63mm (1/2" - 2")
- Ball valves: 20 - 63mm (1/2" - 2")

Seals and O-rings

- Diaphragm valves and regulators: EPDM or PTFE
- Ball valves and unions: FKM (PTFE and EPDM available)

Welding

- IR/Butt, socket, beadless

PP-PURE[®] PP Piping



Material

- PP Grey

Pipe and Fittings

- 20 - 315mm (1/2" - 12")
SDR 11, 150psi

Valves

- T-342 diaphragm valves: 20 - 110mm (1/2" - 4")
- T-343 zero dead leg (ZDL) valves: 20 - 63mm (1/2" - 2")
- Type-21 ball valves: 20 - 110mm (1/2" - 4")

Seals and O-rings

- Diaphragm valves and regulators: EPDM or PTFE
- Ball valves and unions: FKM (EPDM available)

Welding

- IR/Butt, beadless

PURFLON[®] PFA Piping



Material

- PFA

Pipe and Fittings

- 20 - 32mm (1/2" - 1")
SDR 21, 150psi

Valves

- 20 - 32mm (1/2" - 1")
SDR21 PFA/PTFE/FKM
spigot, flare, S-300

Seals and O-rings

- Diaphragm valves and regulators: PTFE diaphragm. FKM or FFKM non-wetted O-rings

Welding

- IR/Butt



Dymatrix™ Specialty Valves

Multiport Valves

Size

- 1/8" - 1"

Materials

- PP, PPn, PVDF, ECTFE, PTFE, PFA

Models

- Manual, pneumatic

Options

- Electric solenoid, feedback switches

Connections:

- Flare, S-300, NPT compression, triclamp and others



Diaphragm Valves

Size

- 1/4" - 1"

Materials

- PFA, PTFE

Models

- Manual, pneumatic

Connections

- Flare, S-300, NPT, custom



Falconics™ Flow Controller

Size

- 1/4" - 1/2"

Models

- Electric

Connections

- Flare, S-300



Needle Valves

Size

- 1/4" - 1/2"

Materials

- PFA, PTFE

Models

- Manual

Connections

- Flare, S-300



Pressure Regulators

Size:

- 1/4" - 1"

Material

- PFA, PTFE

Models

- Manual, pneumatic

Connections

- Flare, S-300



Pinch Valves

Size

- 1/4" - 1"

Models

- Manual, pneumatic, electric

Connections

- Flare, S-300



emtechnik Fittings and Valves
simply better

Compression Fittings

Series 1C and 1+
Size

- 1/4" - 3/4"

Materials

- PP, PFA in stock



Ball Valves

Series 6
Size

- 1/8" - 1/2"

Materials

- PP, PPn, PVDF, PFA
up to 13 port valves
available



Welding Equipment

Asahi/America's fleet of welding equipment is available to rent or to purchase in a variety of models chosen to meet the needs of field or shop welding professionals. We offer private or group training classes.

Shop Welding - Butt Fusion

Shop 4 - Miniplast®

Butt Fusion

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

Materials

- PE, PP, PVDF



Shop 6 - Maxiplast®

Butt Fusion

- 50 - 160mm (1-1/2" - 6")*

Materials

- PE, PP, PVDF



Shop 12

Butt Fusion

- 50 - 315mm (1-1/2" - 12")*

Materials

- PE, PP, PVDF



*Sizes shown for manual machines, does not indicate weldability of all machines. Consult welding machine catalog.

Shop Welding - Socket Fusion

Bench Socket

Socket Fusion

- 20 - 125mm (1/2" - 4-1/2")

Materials

- PE, PP, PVDF



Hand Held Socket Welder

Socket Fusion

- 20 - 125mm (1/2" - 4-1/2")

Materials

- PE, PP, PVDF



Hot Air Welding

Hot Air

- 3 - 4mm

Materials

- PFA, PVC, PE, PP, PVDF, ECTFE, PPs, PPs-EI



Extrusion Welder

Extrusion

- 3 - 5mm (1/8" - 3/16")

Materials:

- PP, PPs, PPs-EI, PE, PVDF



Field Welding - Butt Fusion



Field 6	50-60mm	(1-1/2"-6")
Field 10	75-250mm	(2-1/2"-10")
Field 12	90-315mm	(3"-12")
Field 12 IPS		(3"-12")
Field 14	90-355mm	(3"-14")
Field 20	200-500mm	(8"-20)
Field 24	315-660mm	(12"-24")

Materials

- PE, PP, PVDF



SP Series IR Welding Equipment

SP equipment precisely controls all movements and parameters of the heating element and pipe clamps during each phase of the welding process. This full automation eliminates operator influence during the fusion process and provides unequalled repeatability.

SP 110-S

IR Fusion

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

Materials

- PE, PP, PVDF



SP 63-S Mobile

IR Fusion

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

Materials

- PE, PP, PVDF



SP 110-B

Beadless Fusion

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

Materials

- PE, PP, PVDF



SP 250-S

IR Fusion

- 110 - 250mm (4" - 10")

Materials

- PE, PP, PVDF



EF 110-B

Beadless Electrofusion

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

Materials

- PVDF



SP 315-S

IR Fusion

- 110 - 315mm (4" - 12")

Materials

- PE, PP, PVDF



Custom Fabrication

Asahi/America's 22,000 square foot fabrication shop with clean room offers a wide range of fabrication capabilities for your project. From simple custom fittings to prefabrication of spool pieces, our services will streamline your installation. Asahi/America private labels custom skids, complex machined parts, and high volume assemblies for our OEM customers.

Asahi/America's team of craftsmen are poised to create custom pipe spools, fittings and accessories in a wide range of corrosion resistant thermoplastic materials. Supported by our application engineers and CAD design professionals our trained experienced staff is able to create custom pieces to meet your applications requirements.

- Pipe Spools and Headers



Pipe Spools

- Large Diameter Fittings



Double Contained Fittings

- Valve Boxes



Double Contained Valves

- Skids



Valve Boxes

- Double Contained Piping Systems



Skids

- Custom Machined Products



Large Diameter (up to 24") Fittings





WARRANTY AND LIMITATIONS

1.1 These Limited Representations and Warranties are applicable to all end-customers purchasing **Asahi Valve and Actuation products manufactured and distributed by Asahi/America, Inc.** and are subject to Asahi's standard Terms and Conditions of sale. Asahi warrants that for the warranty period, the products will be free from defects in materials and workmanship under normal and proper use, and will conform to manufacturer published specifications. This warranty is subject to the proper storage, handling, transportation, installation, use and maintenance of Asahi products by both the installer and final customer. This warranty does not include defects due to normal wear and tear or deterioration.

1.2 Customer shall provide written notice of any non-conformities or visible defects regarding the products within 14 business days of discovery. Failure to provide prompt notice shall void this warranty.

1.3 The sole obligation under the foregoing warranty is, at Asahi's discretion, to repair, to replace or exchange the product or to refund the purchase price. Any repaired, replaced or exchanged products shall be subject to the warranty set forth in 1.1 following the repair, the replacement or the exchange. If the Company has received notification from customer, and no defects of the product could be discovered, customer shall bear the costs that the company incurred as a result of the notice.

1.4 The "warranty period" for Asahi Valves and Asahi Actuators shall be **3 years from the date of invoice** subject to the exclusion of the items detailed in 1.5 below, which shall be covered under our Warranty policy for a period of 1 year from the date of invoice.

1.5 Asahi's warranty with respect to the following items will be covered for a period of 1 year from the date of invoice; Dymatrix valves, Actuated Dymatrix valves, Pressure Relief valves, Frank Regulators, EM Technik valves and Actuated EM Technik valves, Type 342 and 343 Diaphragm valves, Air-Pro Ball valves, PE 100 Ball valves, PP Natural Ball valves, Halar (ECTFE) ball valves, and Globe Control valves. All Actuators manufactured supplied by other manufacturers (Limitorque, Rotork, Century, etc.)

1.6 The Company does not authorize any person or party to assume or create for it any other obligation or liability in connection with the products except as set forth herein.

1.7 All requests and notices under this warranty shall be directed to:

Asahi/America, Inc.
Attn: Customer Service
655 Andover Street,
Lawrence, MA 01843
Tel: 781-321-5409 • Fax: 978-685-3010

Please consult our web site for warranty on piping and all other products



Another Corrosion Problem Solved.™



Tel: 800-343-3618; 781-321-5409

Direct Sales: East (800) 232-7244
Central (800) 442-7244
West (800) 282-7244

Fax: 800-787-6861

www.asahi-america.com
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