



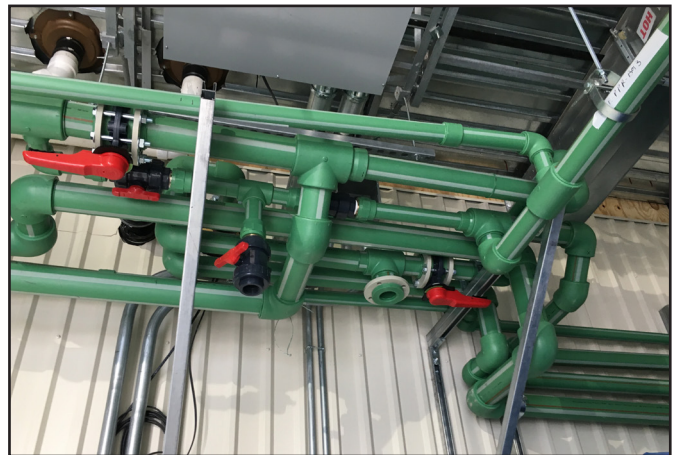
# Commercial Piping Systems Asahitec™ - Air-Pro®

## Your Experts in Plastics™

Asahi/America's thermoplastic piping systems are designed for the toughest commercial applications and provide corrosion resistance, enhanced mechanical performance and light weight easy installation. We feature the Asahitec™ PP-RCT piping system for HVAC and potable water and Air-Pro® the only HDPE piping system approved, warranted and CAL-OSHA listed for compressed air applications.

Asahi/America's commercial piping systems are complimented by our line of high quality thermoplastic valves. We offer an extensive fleet of welding equipment with a wide variety of models available for rent or purchase. Our engineering department and field service technicians are ready to support your design and installation.

## Asahitec™ PP-RCT Plumbing and HVAC Piping Systems



PP-RCT is the latest advancement in polypropylene polymers and has a wide range of benefits for commercial plumbing and HVAC systems. It has a more complex crystalline structure that provides greater pressure capabilities at higher temperatures than conventional PP materials.

### Features and Benefits

#### Asahitec™ - The complete PP-RCT system

- Socket fusion from 20-125mm (1/2" – 5")
- Molded butt fusion from 160-630mm (6" – 24")
- NSF 14-pw certified for potable water applications
- Lead free brass adapter fittings

#### Molded butt fittings up to 630mm (24")

- Provides full pressure rating over fabricated fittings
- Fast delivery
- Cost effective

#### Wide range of valves

- Complemented by reliable Asahi valves
- Ball, butterfly, diaphragm, and more
- Full fleet of socket and butt fusion tools available to rent, rent-to-own or purchase

### Certifications

- ASTM F2389 – Standard PP Specification
- ASTM F2023 – Oxidative Resistance Test
- NSF/ANSI – 14 – Plastic Piping Systems
- NSF/ANSI – 61 – Drinking Water System Components
- Uniform Plumbing Code – (F2389)
- Uniform Mechanical Code – (F2389)
- CSA B137.11 – Standard Canadian PP Specification

In Compliance with:

- ASME B31.3 (Process Piping)
- ASME B31.9 (Building Services Piping)



# Air-Pro® Compressed Air Piping



Developed in 1992, Air-Pro® piping system has been installed with confidence for over 20 years in industries as vast as airplane manufacturing, hospitals and railroad yards. Air-Pro® revolutionized the use of thermoplastics for air transport. Unlike PVC systems, Air-Pro® meets the requirements set by California OSHA Unfired Pressure Vessel Safety Order 462 (m) (3).

Engineers and designers continue to exclusively specify Air-Pro® due to its reliability, large size range, ease of installation and low cost of ownership. Air-Pro® includes all necessary adapters to transition from existing, failing metal or ABS systems.



## Pipe and Fittings

- 20-110mm (1/2" - 4") SDR7, 230psi
- 160-315mm (6" - 12") SDR11, 150psi

## Valves

- Ball Valves
- Tapping Saddles

## Welding

- Socket 20-110mm
- Butt 160mm

## System Benefits

- Increased compressor efficiency due to low friction.
- Thermal fusion is more reliable than compression fittings on aluminium systems.
- Lightweight materials reduce transportation costs.
- Wide temperature range (-22°F to 140°F).
- Excellent chemical resistance.
- High pressure load resistance (230psi at 70°F).
- Rodent and bacteria resistant.
- Acceptable for high pressure water use (320psi at 68°F)



## Corrosion & Lubricants Resistant

Moisture in the air will eventually cause corrosion and scaling on all metal systems, regardless of coatings or pretreatment. Even galvanized steel eventually loses its protective coating and then rusts.

Trace amounts of compressor lubricants are present in all compressed air systems that use lubricated compressors. Air-Pro® is the only plastic system designed to be resistant to all compressor lubricants including:

- Synthetic blends
- Polyalpha-olefin (POA)
- Polyol-ester (POE)
- Diesters

Air-Pro® is rodent, microorganism and bacteria resistant.



90 Degree Elbow    45 Degree Sweep Elbow    Tee