

## Background

Asahi/America's Air-Pro<sup>®</sup> HDPE piping system was developed in 1992 to meet OSHA requirements to safely transport compressed air. Since its development, Air-Pro<sup>®</sup> has been the specified pipeline for major airline, auto and other high-end manufacturers with extremely demanding applications. Air-Pro<sup>®</sup> continues to provide long-term safety for compressed gases up to 230psi.



## Problem

A major glass manufacturer needed a buried pipeline for their in-plant compressed air system that could be installed underground without concern for cathodic protection required for metal pipelines. The pipeline required a service lifetime of more than 50 years and the system needed to achieve the same flow rate performance throughout its lifetime.

## Solution

Asahi/America coordinated with its distributor, engineering firm and contractor to quickly advance the project to meet the plant's tight schedule. Asahi was able to meet

the specific demands of the project easily, installing Air-Pro<sup>®</sup> as the solution for the underground compressed air piping system. The plant manager said, "we needed to install and be up in the same day. [Asahi/America's] Air-Pro<sup>®</sup> was the only project that offered us this benefit. We evaluated all plastic systems on the market and the clear choice was the Asahi/America Air-Pro<sup>®</sup> system."

"Because Asahi had the pipe, fittings and welding tools in stock and ready to ship directly to the project site, we were able to synchronize with the engineer and contractor to ensure every deadline was met. The project went off like clockwork. There were no delays or hiccups on the project," said Asahi/America's distributor.

## Asahi Advantage

- Low-cost maintenance and installation
- Leak-free performance
- Butt, socket or electrofusion joining methods
- Start-to-finish project assistance from specification, weld training and installation

## Ideal Applications

- Compressed air

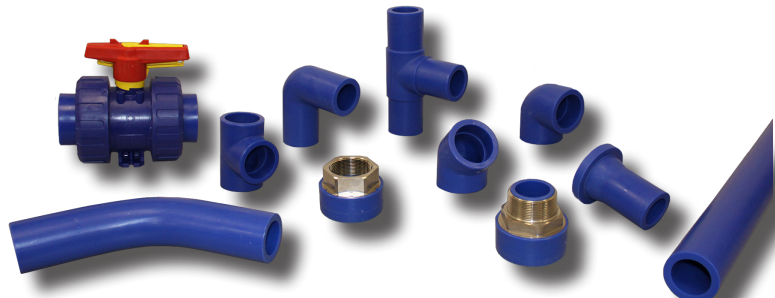
## Other Asahi Pipe Offerings

Visit our website at [www.asahi-america.com](http://www.asahi-america.com) to view other piping systems options.

### Air-Pro® Compressed Air Piping System

#### Features and Benefits

- Increased compressor efficiency due to low friction
- Thermal fusion is more reliable than compression fittings on aluminum systems
- Lightweight materials reduce transportation costs
- Wide temperature range (-40°F to 140°F)
- Excellent chemical resistance
- High pressure load resistance (230psi at 68°F)
- Rodent and bacteria resistant
- Acceptable for high pressure water use (320psi at 68°F)



**AIR-PRO®**  
Compressed Air Piping

#### Pipe and Fittings

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

#### Valves

- Ball Valves
- Tapping Saddles

#### Seals and O-Rings

- FKM

#### Welding Methods



## Air-Pro® Compressed Air Piping System

Developed in 1992, Air-Pro® piping system has been installed with confidence for over 25 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.

**Another  
Corrosion  
Problem  
Solved.™**