

NEW PRODUCT SHOWCASE

Plant Air & Inert Gas Piping



IPEX is pleased to offer our new Duratec™ Air-Line system for fast, flexible plant air and inert gas piping. Duratec Air-Line offers the latest technology in piping for air, argon, nitrogen, CO₂ and argon/CO₂ gas mixtures. Duratec Air-Line piping systems are fast to install, easy to modify, simple to expand and adaptable to all existing metal piping or thermoplastic systems.

Duratec Air-Line fittings employ a unique double o-ring compression joining system that can be easily assembled in a matter of seconds.

Features & Benefits

- Long coil lengths of 100 ft and 300 ft give flexibility of design and eliminate several fitting joints common in stick piping.
- Pipe is flexible and can be easily bent by hand.
- Pipe and fittings can be quickly disassembled and reused as the customer's needs change over time.
- The pipe is very lightweight and can be easily handled by one person. 100 ft of 3/4" Duratec Airline pipe weighs 14 lbs.
- Nickel plated and stainless steel adapters are available for all types of industrial applications.

Applications

- Plant air manufacturing tool operation
- Manual and automated welding operations
- Food and beverage CO₂ delivery
- Semi-Conductor tool hookup
- Valve actuation
- MicroBulk inert gas delivery systems



Products are manufactured by IPEX Inc.
and distributed in the United States by IPEX USA LLC.
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Tools Required

Installation is simple and straight forward requiring only a pipe cutting tool, beveling tool and adjustable wrench.



Procedures

Cutting and Joining Duratec Air-Line

1. Cut the pipe square. A plastic pipe cutter should be used. Ensure that the stainless cutting blade being used is in good sharp condition.
2. Remove the nut and split ring from the fitting.
3. Push the nut and split ring onto the pipe. Bevel the inside of the pipe by inserting the Duratec beveling tool and rotating it 360° to engage the blades. The fitting will then slip easily into the pipe without displacing the o-rings.
4. Push the fitting onto the pipe 1/16" (1 to 2mm) from the shoulder of the fitting. If necessary, at this point the fitting can be rotated on the pipe to facilitate threading onto a valve, tee, etc.



Turn the nut finger tight, plus one full turn with a wrench.

Note: Overtightening the nut may cause damage to the pipe.

5. If it is necessary to remove the fitting, release the nut, remove the split ring and pull the fitting off the pipe. Before re-assembling the joint, inspect the split ring and o-rings and replace them if necessary.



Duratec™ Air-Line Pipe

200 psi at 73°F and 160 psi at 140°F

Meets: ASTM F1282

CSA B137.9

OSHA Requirements

Pipe material complies with FDA Reg 21 CFR 1771520

Duratec™ Air-Line Fittings

200 psi at 73°F and 160 psi at 140°F

Meets: ASTM F1974

CSA B137.9

OSHA Requirements

SS Ftgs are prior sanctioned by FDA