



Job or Customer:

Engineer:

Contractor:

Submitted by: Date

Approved by: Date

Order No: Date

Specification:

< STANDARDS >



ASTM F1282
ASTM F1974



CSA B137.9

< CODES >



ASME B31.3
ASTM B31.9

Duratec pipe's unique composite structure incorporates a rigid yet flexible aluminum core, bonded to layers of durable polyethylene of raised temperature (PE-RT) plastic. PE-RT on the inner and outer layers provides corrosion resistance against aggressive manufacturing environments while eliminating the inner scaling and corrosion associated with traditional metal compressed air pipes. Duratec fittings are supplied in tough nickel plated brass or stainless steel and utilize unique double o-ring seals to ensure long term joint integrity.

Duratec pipe meets the requirements of ASTM F1282 and CSA B137.9, Standards specifications for PE-AL-PE Composite Pressure Pipes. Duratec fittings meet the requirements ASTM F1974, Standard specification for Metal Insert Fittings for Composite Pressure Pipes. The Duratec pipe and fitting system is rated for long term continuous operating pressures of 200psi at 73°F, and 160psi at 140°F. The minimum allowable operating temperature for Duratec pipe and fittings is -40°F.

Duratec may be used for a wide range of applications including compressed air supply, hand tool operation, valve actuation, robotic installation, bulk inert gas delivery systems, and CO₂ delivery for carbonated beverage lines.

pipe and fitting availability

COMPANION PRODUCTS



Duraplug is a pressurized piping system made from high-impact, ductile ABS, and specifically engineered for conveying compressed air and inert gases. Your large diameter compressed air option with sizes available up to 4".

DURATEC PIPE

Sizes: 1/2", 3/4" and 1" diameters
Configurations: 100 ft. and 300 ft. coils

DURATEC NICKEL PLATED FITTINGS

Sizes: 1/2", 3/4" and 1"
Configurations: Couplers, Tees, Caps, Elbows, Reducers, Male Thread Adapters, Female Thread Adapters, Copper Solder Adapters

DURATEC 316 STAINLESS STEEL FITTINGS

Sizes: 1/2", 3/4" and 1"
Configurations: Duratec x Male Thread Straight Adapters

DURATEC NICKEL PLATED VALVES

Sizes: 1/2", 3/4" and 1"
Configurations: Duratec x Duratec straight ball valves