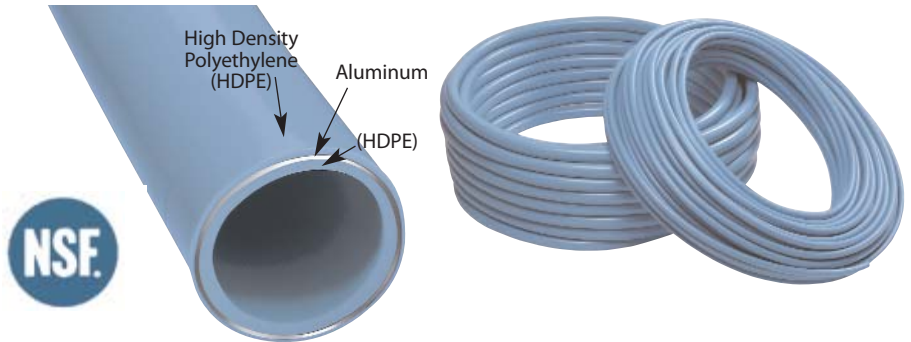




Compressed Air and Inert Gas Piping Systems



Duratec™ The performance of plastic with the strength of metal

Low Installation Costs

Duratec reduces costs on typical installation- not only for materials but also for labor and transportation as compared to traditional materials. How? Duratec's lightweight construction and simple assembly procedures which include:

Quick Installation - No special training or equipment is required to complete a Duratec system.

Ease of Handling- Duratec is 75% lighter than the equivalent diameter of copper and SCH 40 carbon steel.

Fewer Fittings- Duratec pipe is available in convenient 100 ft. and 300 ft. continuous rolls, reducing the number of joints while eliminating threading or soldering.

Quick Removable Connections- Insert fittings with double o-ring seals can be quickly assembled or disassembled compared to traditional threaded assemblies easing on-site modifications and repairs.

Flexible yet Rigid- Due to its composite structure, Duratec pipe can be easily bent by hand and will maintain the desired shape. This unique material will not sag providing a straight, professional looking installation.

Low Operating Costs

Duratec composite piping systems cost less time, less labor, and less money to maintain at an optimal level compared to metal systems.

Pressure loss means money loss- Duratec's high quality construction guarantees consistent system pressure for years to come. Typical metal systems are susceptible to pin-hole leaks as well as leakage at connections causing pressure loss and raising energy costs.

Smooth Interior- Less friction means higher flow rates with fewer pressure fluctuations. This may allow for use of smaller sized pipe.

Extended Life

Duratec is designed not to rust, scale or pit. Once properly selected for the application and correctly installed, Duratec Airline Systems will provide years of maintenance-free service because they are:

Corrosion Resistant- Duratec's tough outer high density polyethylene (HDPE) plastic layer protects against corrosion and deterioration and ensures long service life even in the most aggressive manufacturing environments. The inner HDPE layer is unaffected by inert gases and commonly-used compressor oils. Duratec pipe combined with the industrial nickel-plated Duratec fittings produce a superior system offering long-term performance compared to metal piping systems.

Clean- All Duratec pipe is packaged in cardboard boxes preventing contamination before use. The smooth HDPE inner

layer cannot rust, corrode or form loose scale. Clean air remains clean throughout the life of the system.

Safe- Duratec's unique composite construction means that accidental impact or puncture of the pipe results in a safe, ductile mode of failure. Duratec pipe has been third-party tested and certified to stringent OSHA safety requirements for compressed air systems standards that guarantee safety comes first.



Duratec pipe and fittings are engineered to provide top-notch performance; rated for long term continuous operating pressures of 200 psi at 73°F and 160 psi at 140°F. Duratec pipe and fitting assemblies are also capable of sustaining quick burst pressures in excess of 800 psi. This built-in safety factor ensures system performance and provides peace of mind for designers and facility managers.

The composite piping system meeting all necessary ASME Codes and OSHA safety standards

- ANSI/ASTM F1282** **CSA B51, B127.9**
- FDA Compliant** **ASTM F1974**
- CSA B137.9** **ASME B21.3, 31.9**
- NSF** **Certified to OSHA Safety Regulations**
- CRN OA02020.2C**

Polyconn

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Plymouth, MN 55447-4706

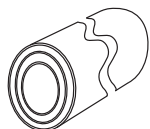
Duratec Advantage- Duratec offers an innovative compressed air and inert gas distribution system designed to be absolutely leak-proof, install quickly and easily, and to maintain costs effectively. As a result, Duratec saves time and money.

Traditional metallic compressed air systems are the main cause of unnecessary energy use, excessive wear and tear on compressors and high consumption of compressor oils and filters. Corrosion and leakage at pipe joints and fitting connections often go undetected until discovered during routine detailed compressed air system audit.

Duratec pipe is available in 100 ft. or 300 ft. coils- significantly reducing the number of joints in a system. Duratec fittings feature unique double o-ring seals ensuring long-term joint integrity. The entire Duratec system can be easily and quickly installed, modified, or expanded without specialized equipment.



Duratec Pipe



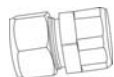
Part Number	Description	List	Qty
PCDP-375-4	3/8 ID PIPE	1.00	100'
PCDP-375-4-R	3/8 ID PIPE	1.00	300'
PCDP-500-4	1/2 ID PIPE	1.30	100'
PCDP-500-4-R	1/2 ID PIPE	1.30	300'
PCDP-750-4	3/4 ID PIPE	2.00	100'
PCDP-750-4-R	3/4 ID PIPE	2.00	300'
PCDP-1000-4	1" ID PIPE	2.65	100'
PCDP-1000-4-R	1" ID PIPE	2.65	300'

Duratec x Male Thread Adapter SS



Part Number	Description	List	Qty
PC68D-66	3/8 x 3/8 NPT	9.45	1
PC68D-68	3/8 x 1/2 NPT	9.45	1
PC68D-88	1/2 x 1/2 NPT	9.65	1
PC68D-1010	3/4 x 3/4 NPT	19.70	1
PC68D-1212	1" x 1" NPT	30.55	1

Duratec x Female Thread Adapter



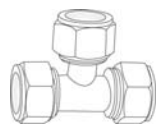
Part Number	Description	List	Qty
PC66D-68	3/8 x 1/2 NPT	10.30	1
PC66D-88	1/2 x 1/2 NPT	10.30	1
PC66D-1010	3/4 x 3/4 NPT	19.90	1
PC66D-1212	1" x 1" NPT	33.90	1

Duratec x Duratec 90° Elbow



Part Number	Description	List	Qty
PC65D-66	3/8 x 3/8	12.50	1
PC65D-88	1/2 x 1/2	13.50	1
PC65D-1010	3/4 x 3/4	34.50	1
PC65D-1212	1" x 1"	45.00	1

Duratec Union Tee



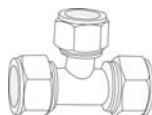
Part Number	Description	List	Qty
PC64D-6	3/8 x 3/8 x 3/8	24.00	1
PC64D-8	1/2 x 1/2 x 1/2	24.00	1
PC64D-10	3/4 x 3/4 x 3/4	43.25	1
PC64D-12	1" x 1" x 1"	77.60	1

Beveling Tool



Part Number	Description	List	Qty
PCBEV	3/8 - 1"	7.25	1

Duratec Reducing Tee



Part Number	Description	List	Qty
PC64DR-86	1/2 x 3/8	24.00	1
PC64DR-1088	3/4 x 1/2 x 1/2	25.50	1
PC64DR-10108	3/4 x 3/4 x 1/2	38.00	1
PC64DR-10812	3/4" x 1/2" x 3/4"	38.00	1
PC64DR-12128	1" x 1" x 1/2"	66.50	1
PC64DR-121010	1" x 3/4" x 3/4"	50.00	1
PC64DR-121210	1" x 1" x 3/4"	74.00	1

Duratec Coupler



Part Number	Description	List	Qty
PC62D-66	3/8 x 3/8	11.50	1
PC62D-88	1/2 x 1/2	12.00	1
PC62D-1010	3/4 x 3/4	30.00	1
PC62D-1212	1" x 1"	52.00	1

Duratec Reducing Coupler



Part Number	Description	List	Qty
PC56D-68	3/8 x 1/2	14.00	1
PC56D-810	1/2 x 3/4	25.00	1
PC56D-1012	3/4 x 1"	36.20	1

Duratec Ball Valve



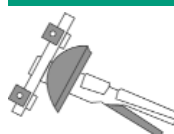
Part Number	Description	List	Qty
PCDBV-6	3/8"	27.50	1
PCDBV-8	1/2"	40.00	1
PCDBV-10	3/4"	52.00	1
PCDBV-12	1"	69.25	1

Pipe Clip



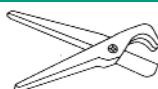
Part Number	Description	List	Qty
PCDPC-6	3/8"	1.10	1
PCDPC-8	1/2"	1.35	1
PCDPC-10	3/4"	1.45	1
PCDPC-12	1"	2.15	1

Bending Tool Kit



Part Number	Description	List	Qty
PBTK-1000	Bending Kit	1335.37	1

Pipe Cutter



Part Number	Description	List	Qty
PCTC	Pipe Cutter	23.00	1