

UNDERGROUND GAS POLYETHYLENE (PE) PIPING

FEATURING THE CON-STAB I.D. SEAL® FITTINGS FROM CONTINENTAL INDUSTRIES, INC.

PRODUCT DESCRIPTION:

Unlike above-grade gas piping installations that require metallic piping, underground systems need to perform in harsh and corrosive environments. Metallic pipe installed underground requires additional and costly materials to protect the pipe. Polyethylene gas piping systems are specifically engineered and certified for the underground environment. To provide a true underground gas piping solution, Gastite® has partnered with Continental Industries, Inc. to bring you Con-Stab I.D. Seal®, fittings, anode-less risers and polyethylene tubing (PE). These components assemble in minutes to form a complete underground gas piping system, which offers the flexibility and simple fitting assembly you have come to expect from Gastite[®].

CODES & SPECIFICATIONS:

- NFPA-58 and NFPA-54
- ASTM D-2513, Category 1
- ASME D-B31.8-1995
- CAN/CSA-B137.4
- Listed with CSA
- Listed with IAPMO/UPC
- US DOT Part 192.283
- ISO 4437

CUSTOMER SERVICE AND TECHNICAL SUPPORT ARE ONLY A PHONE CALL AWAY AT 1-800-662-0208.

Con-Stab I.D. Seal® is a registered trademark of Continental Industries, Inc.

FEATURES & BENEFITS:

- Cost effective joining method.
- Simple assembly.
- No additional assembly equipment required for installation just chamfer and push.
- Expanded product line with various configurations and material options.
- Uni-body design eliminating all external parts.
- Designed, tested and certified for direct burial.
- · Eliminates corrosive threats associated with metallic piping.
- Lowest installed cost compared to other underground gas piping materials.
- Continuous lengths of flexible piping.



IMPORTANT

ALL PE TUBING REQUIRES I.D. CHAMFER PRIOR TO INSTALLATION OF ANY ADAPTER.

IRON PIPE SIZE (IPS) TUBING, ANODELESS RISERS AND FITTINGS

PELLE	IRON PIPE SIZE (IP Part No. PE-12-250 PE-12-125 PE-12-500	 S) TUBING, ANODELESS RISERS AND FITTINGS Description 3/4" IPS (SDR-11) – PE Tubing (30" ID x 45" OD) 3/4" IPS (SDR-11) – PE Tubing (24" ID x 35" OD) 3/4" IPS (SDR-11) – PE Tubing (30" ID x 42" OD) 	Pkg. Qty 250 ft./coil 125 ft./coil 500 ft./coil	15.0
PE Tubing	PE-16-250-IPS PE-16-125-IPS PE-16-500-IPS	1" IPS (SDR-11) – PE Tubing (30" ID x 45" OD) 1" IPS (SDR-11) – PE Tubing (25" ID x 34" OD) 1" IPS (SDR-11) – PE Tubing (31" ID x 45" OD)	250 ft./coil 125 ft./coil 500 ft./coil	23.8
	PE-20-250 PE-20-125 PE-20-500	1-1/4" IPS (SDR-10) – PE Tubing (48" ID x 64" OD) 1-1/4" IPS (SDR-10) – PE Tubing (48" ID x 58" OD) 1-1/4" IPS (SDR-10) – PE Tubing (48" ID x 72" OD)	250 ft./coil 125 ft./coil 500 ft./coil	41.3
	PE-24-250* PE-24-125*	1-1/2" IPS (SDR-11) PE Tubing (45"ID x 65 OD) 1-1/2" IPS (SDR-11) PE Tubing (45"ID x 65 OD)	250 ft./coil 125 ft./coil	
Flex Riser	PE-32-250*	2" IPS (SDR-11) - PE Tubing (51" ID x 78" OD)	250 ft./coil	157.5
Gas Riser	RISER-12-30 RISER-16-30-IPS RISER-20-30 RISER-24-36 RISER-32-36 F-RISER-12-36 F-RISER-12-72	3/4" IPS x 30" Vertical x 3/4" NPT – Riser w/Con-Stab Cplg. 1" IPS x 30" Vertical x 1" NPT – Riser w/Con-Stab Cplg. 1-1/4" IPS x 30" Vertical x 1-1/4" NPT – Riser w/Con-Stab Cplg. 1-1/2" IPS x 36" Vertical x 1-1/2" NPT – Riser w/Con-Stab Cplg. 2" IPS x 36" Vertical x 2" NPT – Riser w/Con-Stab Cplg. Flex Riser - 3/4" IPS x 36" x 3/4" NPT Flex Riser - 3/4" IPS x 72" x 3/4" NPT	1 Ea. 1 Ea. 1 Ea. 1 Ea. 1 Ea. 1 Ea. 1 Ea.	7.0 8.0 15.0 19.0 17.0 4.0 6.1
Transition Fitting	TRANS-12 TRANS-16-IPS TRANS-20 TRANS-24 TRANS-32	3/4" IPS x 3/4" NPT Transition Fitting 1" IPS x 1" NPT Transition Fitting 1-1/4" IPS x 1-1/4" NPT Transition Fitting 1-1/2" IPS x 1-1/2" NPT-Transition Fitting 2" IPS x 2" NPT Transition Fitting	1 Ea. 1 Ea. 1 Ea. 1 Ea. 1 Ea.	1.1 1.8 2.5 3.9 3.3
Coupling	PECPL-12 PECPL-16-IPS PECPL-20 PECPL-24 PECPL-32 PECPL-12-16-IPS PECPL-16-IPS-20 PECPL-16-IPS-32 PECPL-20-32 PECPL-20-32 PECPL-24-20 PE90CPL-12 PERCPL-12	 3/4" IPS Coupling 1" IPS Coupling 1-1/4" IPS Coupling 1-1/2" IPS Coupling 2" IPS Coupling 3/4" IPS x 1-1/4" IPS Reducer Coupling 3/4" IPS x 1" IPS Reducer Coupling 1" IPS x 1-1/4" Reducer Coupling 1" IPS x 2" IPS Reducer Coupling 1-1/4" IPS x 2" IPS Reducer Coupling 1-1/4" IPS x 2" IPS Reducer Coupling 1-1/4" IPS x 1-1/4" IPS Reducer Coupling 3/4" IPS x 1-1/4" IPS Reducer Coupling 3/4" IPS yo Degree Coupling 3/4" IPS Repair Coupling 	1 Ea. 1 Ea.	$\begin{array}{c} 0.5 \\ 0.8 \\ 2.0 \\ 1.7 \\ 4.0 \\ 2.0 \\ 0.7 \\ 1.7 \\ 3.1 \\ 3.5 \\ 2.3 \\ 1.0 \\ 0.8 \end{array}$
Reducing Tee	PET-12 PET-16-IPS PET-20 PET-24 PET-32 PERT-16-16-12 PERT-20-20-12 PERT-20-20-16-IPS PERT-24-24-20 PERT-32-32-12 PERT-32-32-16-IPS PERT-32-32-20	3/4" IPS Tee Fitting 1" IPS Tee Fitting 1-1/4" IPS Tee Fitting 1-1/2" IPS Tee Fitting 2" IPS Tee Fitting 1" IPS x 1" IPS x 3/4" IPS Reducer Tee 1-1/4" IPS x 1-1/4" IPS x 3/4" IPS Reducer Tee 1-1/4" IPS x 1-1/4" IPS x 1" IPS Reducer Tee 1-1/2" IPS x 1-1/4" IPS x 1-1/4 Reducer Tee 2" IPS x 2" IPS x 3/4" IPS Reducer Tee 2" IPS x 2" IPS x 1" IPS Reducer Tee 2" IPS x 2" IPS x 1-1/4" IPS Reducer Tee	1 Ea. 1 Ea.	$\begin{array}{c} 1.2 \\ 2.4 \\ 4.5 \\ 4.2 \\ 9.0 \\ 2.5 \\ 3.3 \\ 4.0 \\ 4.3 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \end{array}$
Tapping Tee	TAP-20-12 TAP-20-16-IPS TAP-32-16-IPS	1-1/4" IPS x 3/4" IPS Mechanical Tapping Tee 1-1/4" IPS x 1" IPS Mechanical Tapping Tee 2" IPS x 1" IPS Mechanical Tapping Tee	1 Ea. 1 Ea. 1 Ea.	2.5 2.5 2.1

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COPPER TUBE SIZE (CTS) TUBING, ANODELESS RISERS AND FITTINGS

PE Tubing	Choose PE Tubing Part No. PE-8-250 PE-8-125 PE-8-500 PE-16-250 PE-16-125 PE-16-500	and Components from this section for flow rates that corres Description 1/2" CTS (SDR-7) – PE Tubing (26"ID x 36" OD) 1/2" CTS (SDR-7) – PE Tubing (24" ID x 31" OD) 1/2" CTS (SDR-7) – PE Tubing (30" ID x 38" OD) 1" CTS (SDR-11.5) – PE Tubing (25"ID x 45" OD) 1" CTS (SDR-11.5) – PE Tubing (24" ID x 35" OD) 1" CTS (SDR-11.5) – PE Tubing (30" ID x 44" OD)	Pkg. Qty. 250 ft./coil 125 ft./coil 500 ft./coil 250 ft./coil 125 ft./coil	Lbs./Coil/Ea. 17.5 8.8 35.0 35.0
	RISER-8-18 RISER-8-30 RISER-16-30 F-RISER-8-36 F-RISER-8-72	1/2" CTS x 18" Vertical x 3/4" NPT Riser w/Con-Stab Cplg. 1/2" CTS x 30" Vertical x 3/4" NPT Riser w/Con-Stab Cplg. 1" CTS x 30" Vertical x 3/4 NPT Riser w/Con-Stab Cplg. Flex Riser - 1/2" CTS x 36" x 3/4" NPT Flex Riser - 1/2" CTS x 72" x 3/4" NPT	1 Ea. 1 Ea. 1 Ea. 1 Ea. 1 Ea. 1 Ea.	3.5 5.0 8.0 1.8 3.1
Flex Riser	TRANS-8	1/2" CTS x 1/2" NPT Transition Fitting	1 Ea.	0.9
Gas Riser	TRANS-16 PECPL-8 PECPL-16 PECPL-8-16 PE90CPL-8 PERCPL-8 CUCPL-3/8 CUCPL-1/2 PET-8 PET-16	 1" CTS x 1" NPT Transition Fitting 1/2" CTS Coupling 1" CTS Coupling 1/2" CTS x 1" CTS Reducer Coupling 1/2" CTS 90 Degree Coupling 1/2" CTS Repair Coupling 1/2" CTS x 3/8" Copper to Coupling 1/2" CTS x 1/2" Copper to Coupling 1/2" CTS Tee Fitting 1" CTS Tee Fitting 	1 Ea. 1 Ea.	1.4 0.2 0.5 0.5 0.4 0.4 0.4 0.3 0.3 0.5 1.1
Copper Coupling	IPS / CTS Combina Part No.	tion Fittings Description	Pkg. Qty.	Lbs./Ea.
(in)	PECPL-8-12 PECPL-8-16-IPS PECPL-16-16-IPS	1/2" CTS x 3/4" IPS Reducer Coupling 1/2" CTS x 1" IPS Reducer Coupling 1" CTS x 1" IPS Reducer Coupling	1 Ea. 1 Ea. 1 Ea. 1 Ea.	0.4 0.8 0.8
	PERT-12-12-8	3/4" IPS x 3/4" IPS x 1/2" CTS Reducer Tee	1 Ea.	1.1
	TAP-20-8 TAP-32-8	1-1/4" IPS Tap x 1/2" CTS Mechanical Tapping Tee 2" IPS Tap x 1/2" CTS Mechanical Tapping Tee	1 Ea. 1 Ea.	2.0 1.9





90° Coupling



Reducing Coupling



Tee Fitting

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TOOLS AND ACCESSORIES



Magnet

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BELOW	Part No MAG-TAPE	Description Magnetic Tape – 2" x 1,000 ft. roll	Pkg. Qty. 1 Ea.	Lbs. 1.0			
tic Tape	RBRACE-1	Riser Bracket – Fits all sizes	1 Ea.	4.0			
	PECUTTER	PE Cutter – Up to 1-1/4"	1 Ea.	0.3			
	PECUTTER-32	PE Cutter – Up to 2"	1 Ea.	2.5			
	PEBLADE	Replacement Blade for PECUTTER	1 Ea.	0.1			
	CHTOOL-8-16	1/2" CTS x 1" CTS Chamfering Tool	1 Ea.	0.5			
	CHTOOL-20	1-1/4" IPS Chamfering Tool	1 Ea.	0.5			
~ ~	CHTOOL-12-16IPS	3/4" IPS x 1" IPS Chamfering Tool	1 Ea.	0.3			
racket	CHTOOL-24	1-1/2" IPS Chamfering Tool	1 Ea.	0.6			
Gener	CHTOOL-32	2" IPS Chamfering Tool	1 Ea.	0.7			
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I.D. Chamfering Tool

WARRANTY GASTITE® FLEXIBLE GAS PIPING SYSTEM FLASHSHIELD™ FLEXIBLE GAS PIPING SYSTEM

Gastite Division warrants its products to be free from any defect of workmanship and material. Should any such defects be discovered, the questionable product must be returned to Gastite Division. If, upon inspection, the part proves to be defective, Gastite Division will furnish a replacement, or, at its option, repair the part.

This warranty shall not apply to any part or parts of the Gastite[®]/FlashShield[™] Flexible Gas Piping System product if it has been installed, altered, repaired or misused, through negligence or otherwise, in a way that in the opinion of Gastite Division affects the reliability of, or detracts from, the performance of the product. Nor does this warranty cover replacements or repairs necessitated by loss or damage resulting from any cause beyond the control of Gastite Division, including but not limited to, acts of God, acts of government, floods and fires.

The obligation of Gastite Division under this warranty is limited, at Gastite Division's discretion, to 1) making a replacement part available, 2) the repair of the defective part, or 3) refund of purchase price. This does not include the furnishing of any labor involved or connected therewith, such as that required to diagnose trouble or to remove or install any such product, nor does it include responsibility for any transportation expenses or any damages or losses incurred in transportation in connection therewith.

THE FOREGOING IS IN LIEU OF ANY OTHER WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITA-TION, THE IMPLIED WARRANTY OF MERCHANTABILITY, AND GASTITE DIVISION NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR GASTITE DIVISION ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH THE SALE OF ITS PRODUCTS.

INSTALLATION REQUIREMENTS

- 1. Installation must be performed strictly in accordance with local plumbing and/or building codes, and in accordance with Gastite[®]/FlashShield[™] Design and Installation Guide.
- 2. Installation must be performed by an installer who has successfully completed a training program recognized by Gastite Division and has been issued a Certification Card.
- 3. Pressure testing must be performed during rough construction with piping system exposed.
- 4. Gastite Division assumes no responsibility for product or labor for any system which has been improperly installed.