



ENERGY CONTROL SYSTEMS, INC.
 100 HAFNER AVENUE
 PITTSBURGH PA 15223
 www.ecsi4gas.com

“Supporting the gas industry since 1973”

Accessories



CAUTION TAPE

Yellow polyethylene with black marking.
 “Buried gas line below”.
 Available in 150’, 500’ and 1000’ rolls



LOCATOR WIRE

TW 14 solid tracer wire
 Available in 150’, 500’ and 1000’ rolls



PLASTIC INSERT PROTECTORS

To be inserted in end of steel casing pipe to protect inserted polyethylene pipe

Available In the following sizes

3/4" x 5/8"	1-1/4" x 5/8"
1-1/4" x 1-1/8"	1-1/2" x 1-1/8"
3" x 2"	4" x 2"
4" x 3"	



ENERGY CONTROL SYSTEMS, INC.
100 HAFNER AVENUE
PITTSBURGH PA 15223
www.ecsi4gas.com

“Supporting the gas industry since 1973”

Anodeless Gas Service Risers



- Powder coated finish for high corrosion resistance;
- Meets all D.O.T. requirements;
- 1/2" CTS through 4" IPS sizes;
- Available with medium or high density polyethylene;
- Available as prebent, preformed, flexible or hybrid styles;
- Available with plain end or stab outlet;
- 100% pressure tested;
- Available with ECSI-VENT™ transition head (which allows any fugitive emissions migrating along service line to harmlessly vent to atmosphere alerting homeowner or gas company personnel.)

“Supporting the gas industry since 1973”

Custom Meter Brackets



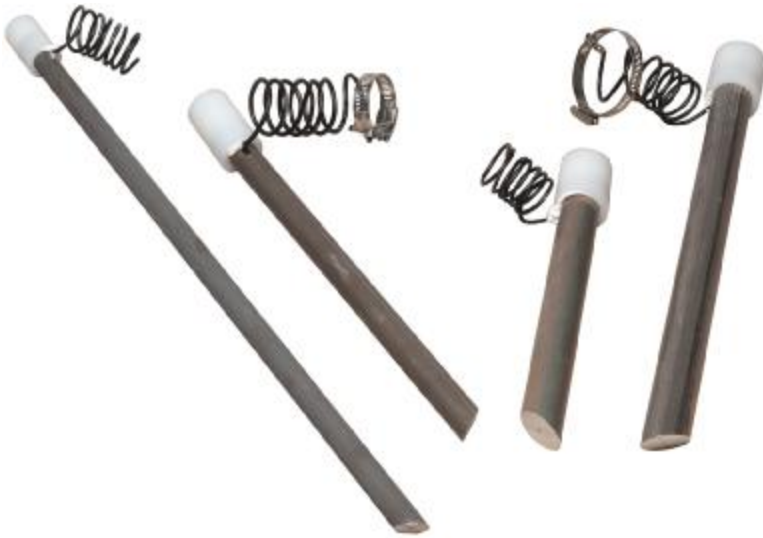
- Wide variety of designs for foundation or remote installations
- More than 30 different sizes and styles currently in production
- Manufactured from hot rolled steel
- Epoxy or polyester coated for superior corrosion resistance
- Standoffs ranging from 4" to 12"
- Fixed and adjustable styles available
- Custom designs are our specialty



ENERGY CONTROL SYSTEMS, INC.
 100 HAFNER AVENUE
 PITTSBURGH PA 15223
 www.ecsi4gas.com

“Supporting the gas industry since 1973”

“Husky” Drive-In Anode



Available in **SEVEN** different sizes and styles ranging from 1/2 lb. to 3 lbs., the "Husky" Drive-in anode is the easy, reliable way to protect natural gas service lines. One man can install the "Husky" in minutes with only a hammer and screwdriver. With the "Husky", you just "drive it in" and connect the wire lead to the service line.

The "Husky" Drive-in anode is made from a high purity extruded alloy rod having a .125" diameter steel core. In most environments, the oxidation potential is 1.4 to 1.5 volts. A crimped copper sleeve connection is solder wickd into the joint and a 100% silicone rubber (of marine and electrical non-corrosive grade) is used as the encapsulating sealant.

The standard "Husky" anode is supplied with 3 feet of TW12 solid copper wire. Other wire lengths are available upon request. Designed with a UHMW polyethylene drive cap, the lead wire and soldered connection are protected during installation.

The drive point is cut at a 45 degree angle for easy penetration through the soil. An adjustable stainless steel connector can be provided to allow easy attachment of the anode to coated steel risers and service lines. Depending upon soil conditions, the life expectancy of the "Husky" ranges from 7 to 10 years.

CHEMICAL PROPERTIES	
Aluminum	2.5-3.5%
Zinc	.07-1.3%
Manganese	0.20 –1.0%.
Iron	0.002% max.
Nickel	0.001% max.
Silicon	0.05% max.
Copper	0.01% max.
Calcium	0.04% max.

Style #	Description
#90005-3	1/2 lb. with 3 ft. lead wire (.840" diameter x 13.5" long)
#90005C-3	1/2 lb. with 3 ft. lead wire & clamp (.840" diameter x 13.5" long)
#90010-3	1 lb. with 3 ft. lead wire (.840" diameter x 27" long)
#90010-3/D	1 lb. with 3 ft. lead wire (1.315" diameter x 12" long)
#90010C-3	1 lb. with 3 ft. lead wire & clamp (.840" diameter x 27" long)
#90010C-3/D	1 lb. with 3 ft. lead wire & clamp (1.315" diameter x 12" long)
#90015-3/D	1-1/2 lb. with 3 ft. lead wire (1.315" diameter x 18" long)
#90015C-3/D	1-1/2 lb. with 3 ft. lead wire & clamp (1.315" diameter x 18" long)
#90020-3/D	2 lb. with 3 ft. lead wire (1.315" diameter x 24" long)
#90020C-3/D	2 lb. with 3 ft. lead wire & clamp (1.315" diameter x 24" long)
#90025-3/D	2-1/2 lb. with 3 ft. lead wire (1.315" diameter x 30" long)
#90025C-3/D	2-1/2 lb. with 3 ft. lead wire & clamp (1.315" diameter x 30" long)
#90030-3/D	3 lb. with 3 ft. lead wire (1.315" diameter x 36" long)
#90030C-3/D	3 lb. with 3 ft. lead wire & clamp (1.315" diameter x 36" long)

Phone: 412-781-8500

800-274-8501

Fax: 412-781-4498

“Supporting the gas industry since 1973”

“Stubby” Mini-Greaser

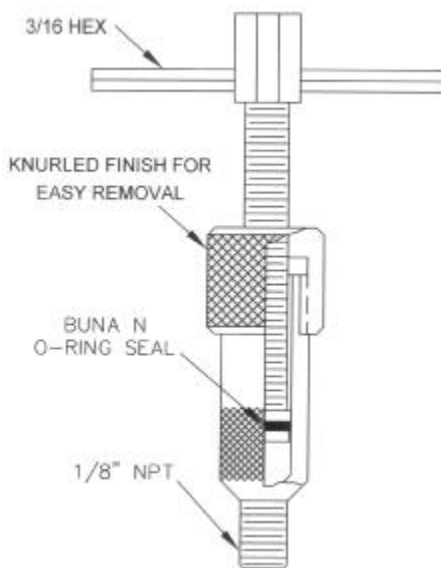


The "Stubby" is an easy and economical way to lubricate service valves. Its simple and compact design was developed with the serviceman in mind.

Machined from alloy steel, the Stubby is durable. It has the capability to inject the most viscous materials, yet will allow the sealing grease to bypass the “O” ring seal before damaging the valve. It allows for flushing of valves and will accommodate higher pressures during the flushing process.

The Stubby is individually packaged with easy to follow instructions. It uses a B size stick of lube sealant.

STUBBY MINI-GREASER OPERATING INSTRUCTIONS



1. Assure that valve is in the fully **OPEN** or **CLOSED** position. This aligns the vertical grooves with the grease port recess.
2. Remove grease plug from valve using hex wrench.
3. Unscrew cap completely.
4. Pull shaft out from body and turn handle counterclockwise to retract shaft until O-ring is withdrawn into cap.
5. Insert one B size lube sealant stick into Mini-Greaser
6. Replace cap and tighten.
7. Turn handle clockwise to force some grease out prior to threading Mini-Greaser into valve. Remove any foreign objects to prevent them from being forced into valve.
8. Thread Mini-Greaser into valve and turn handle clockwise to force grease into vertical grooves. If immediate resistance is encountered, either the groove is not aligned or there are old hardened grease deposits present. Turn key in both directions and try additional rotation of handle. If there is still resistance, use a small amount of Flush in Mini-Greaser and inject 2-3 revolutions into valve to loosen the old hard pack. Turn valve several times then return to greasing procedure.
9. Replace old grease plug end tighten with hex wrench.

“Supporting the gas industry since 1973”

PE-Steel Transition Fittings

Features

- Steel-to-polyethylene transition
- Powder Coated, AGA 49 Gray
- Threaded and weld-end outlets
- Sizes from 1-1/4" IPS to 4" IPS (contact factory for larger sizes)
- Positive seal with DOUBLE "O" ring protection
- Permanent factory assembly
- Pull-out strength greater than the PE piping
- Meets or exceeds the requirements of ASTM D-2513 Category 1, ANSI B1.20, US D.O.T. Part 192, NFPA-58
- Available in PE 2406 (yellow), PE 3408 (black)
- 100% pressure tested



Style Number	Steel Pipe Size/Style (Schedule 40)	Plastic Pipe Size	Steel Length	Plastic Length	Overall Length	Estimated Weight (lbs)
TF-1600T	1-1/4" MPT	1-1/4" IPS SDR10 PE2406	4"	13-3/8"	19"	2.3
TF-16001T	1-1/4" MPT	1-1/4" IPS SDR11 PE2406	4"	13-3/8"	19"	2.3
TF-1602T	1-1/4" MPT	1-1/4" IPS SDR11 PE3408	4"	13-3/8"	19"	2.3
TF-1600W	1-1/4" Weld End	1-1/4" IPS SDR10 PE2406	12"	13-3/8"	27"	3.7
TF-1601W	1-1/4" Weld End	1-1/4" IPS SDR11 PE2406	12"	13-3/8"	27"	3.7
TF-1602W	1-1/4" Weld End	1-1/4" IPS SDR11 PE3408	12"	13-3/8"	27"	3.7
TF-2301T	2" MPT	2" IPS SDR11 PE2406	4"	13-7/8"	20"	3.6
TF-2302T	2" MPT	2" IPS SDR11 PE3408	4"	13-7/8"	20"	3.6
TF-2301W	2" Weld End	2" IPS SDR11 PE2406	12"	13-7/8"	28"	6.1
TF-2302W	2" Weld End	2" IPS SDR11 PE3408	12"	13-7/8"	28"	6.1
TF-3500T	3" MPT	3" IPS SDR11.5 PE2406	4"	14-7/8"	22"	9
TF-3501T	3" MPT	3" IPS SDR11 PE2406	4"	14-7/8"	22"	9
TF-3502T	3" MPT	3" IPS SDR11 PE3408	4"	14-7/8"	22"	9
TF-3500W	3" Weld End	3" IPS SDR11.5 PE2406	12"	14-7/8"	30"	14
TF-3501W	3" Weld End	3" IPS SDR11 PE2406	12"	14-7/8"	30"	14
TF-3502W	3" Weld End	3" IPS SDR11 PE3408	12"	14-7/8"	30"	14
TF-4500T	4" MPT	4" IPS SDR11.5 RE2406	4"	15-1/4"	23"	13.9
TF-4501T	4" MPT	4" IPS SDR11 PE2406	4"	15-1/4"	23"	13.9
TF-4502T	4" MPT	4" IPS SDR11 PE3408	4"	15-1/4"	23"	13.9
TF-4500W	4" Weld End	4" IPS SDR11.5 RE2406	12"	15-1/4"	31"	21.1
TF-4501W	4" Weld End	4" IPS SDR11 RE2406	12"	15-1/4"	31"	21.1
TF-4502W	4" Weld End	4" IPS SDR11 RE3408	12"	15-1/4"	31"	21.1

“Supporting the gas industry since 1973”

Pipe Repair Clamps



The ECSI Band Clamps were designed provide a temporary low cost repair for steel pipelines with defects due to badly corroded steel pipe surfaces.

The one-piece circular powder coated band and lugs are made from carbon steel eliminating the potential problems with dissimilar material. High strength (Grade 5) zinc plated carriage bolts, nuts and washers are used to provide added strength and integrity.

The clamps are supplied with a lug-to-lug full-length 1/4" thick 100% pure gum rubber sheet gasket of low (40) durometer for ease of sealing. Clamps are available in 2" through 6" IPS sizes with standard 3" or 6" widths (other widths are available by request)

Style Number	Pipe Size	Band Thickness	Band Width	Bolt Size	Wrench Size	Weight lbs.
BC-2301	2" IPS	16 Ga	3"	1/2" x 3-1/2" Lg	7/8"	1.9
BC-2302	2" PS	16 Ga	6"	1/2" x 3-1/2" Lg	7/8"	3.8
BC-3501	3" IPS	16 Ga	3"	1/2" x 3-1/2" Lg	7/8"	2.2
BC-3502	3" IPS	16 Ga	6"	1/2" x 3-1/2" Lg	7/8"	4.4
BC-4501	4" PS	16 Ga	3"	1/2" x 3-1/2" Lg	7/8"	2.4
BC-4502	4" IPS	16 Ga	6"	1/2" x 3-1/2" Lg	7/8"	4.8
BC-6601	6" PS	14 Ga	3"	5/8" x 4" Lg	1-1/16"	7.3
BC-6602	6" IPS	14 Ga	6"	5/8" x4" Lg	1-1/16"	14.6



ENERGY CONTROL SYSTEMS, INC.
100 HAFNER AVENUE
PITTSBURGH PA 15223
www.ecsi4gas.com

“Supporting the gas industry since 1973”

Pipeline Markers



ECSI pipeline markers are designed to be a weatherproof, durable maintenance-free high visibility warning system for identifying underground:

- Gas Pipelines
- Petroleum Pipelines
- Water Pipelines
- Chemical Pipelines
- Sewage Pipelines
- Telephone Cables
- Electric Cables
- Television Cables

UV resistant lettering (sealed with a high build urethane coating) directly printed on flame treated high-density polyethylene warns of buried utility lines below.

All ECSI markers are made from high-density polyethylene with anti-oxidant and ultraviolet inhibitors. The 3-1/2" diameter design provides 360° visibility and eliminates the potential for “wind whip” that can be found with flat markers.

The plastic design prevents major damage to vehicles or equipment if accidentally run over.

Cross anchor bars can be provided for loose soil areas

ECSI markers are available in white, yellow, orange, green or red colors. Other colors available as special order.



ENERGY CONTROL SYSTEMS, INC.
100 HAFNER AVENUE
PITTSBURGH PA 15223
www.ecsi4gas.com

“Supporting the gas industry since 1973”

T-60 Universal Riser Bracket



Foundation Single Riser



**Remote Single Riser
10"-18" Stand-off**



Remote Double Riser



**Remote Single Riser
4"-8" Stand-off**

- Polyester Powder Coated (AGA 49 Gray) for superior durability
- Zinc Plated bolts, nuts & washers
- Universal design for 3/4" through 2" risers
- Adapter kit available for 3" & 4" risers
- Drive post available separately
- Packaged with all necessary hardware and instructions

Phone: 412-781-8500

800-274-8501

Fax: 412-781-4498