ENERGY CONTROL SYSTEMS, INC.
100 Hafner Avenue
Pittsburgh, PA 15223
www.ecsi4gas.com

"Supporting the gas industry since 1973"

Gas Meter Brackets

Gas Meter brackets are typically used to support gas meter service installations in residential, commercial and industrial applications. ECSI is proud to offer a wide range of gas meter brackets that not only make installations easier, but also offer safety and durability benefits.

Because of environmental conditions, meter brackets need to be durable and withstand the elements for many years into the future. Our gas meter brackets are manufactured from heavy gauge, hot rolled steel for durability and feature epoxy or polyester powder coated surfaces for superior corrosion resistance.

Because individual utilities have their own specific standards, and since line connections can take place in less than ideal space conditions resulting inunique installation challenges, ECSI varies its installation procedures to meet site and utility requirements. Since 1973, ECSI has designed and produced nearly 100 different designs for meter bracketing and support systems.

Our years of experience in serving the gas industry have proven that more sizes and styles mean more solutions for safer and easier installation.

Gas Meter Bracket Features:

- Wide variety of designs for foundation or remote installations
- Standoffs ranging from 4" to 12"
- Fixed and adjustable styles available
- Custom designs for your specific application needs

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Adjustable Riser Brackets

Adjustable gas meter brackets offer a custom fit in the field without having to stock a large range of sizes and mounting options. You will appreciate this versatility when you are in the middle of a gas line installation and need a different size bracket.

T-64 Series

T-41 Series

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Siding Gas Riser Brackets

Energy Control Systems knows the importance of having the right meter bracket for the job. That is why we offer a range of siding meter brackets.

Like all of our gas meter support systems, the siding meter brackets are proudly manufactured in the USA and are designed from our years of experience in supporting the gas industry. Our siding meter brackets feature hot rolled steel to provide a strong and durable connection and feature epoxy or polyester powder coatings because they provide the highest protection against corrosion and the elements.

Our biggest advantage is the ability to provide the right solution to your application challenge. We can provide either stock or custom designed siding meter brackets in the quantity and style that best meets your requirements.

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Universal Gas Riser Support System
Foundation or Remote Meter Bracket

When a structure is not available or when foundation systems cannot be used, look to ECSI for a variety of remote assemblies that provide safe and secure mounting of gas meters and gas risers.

Remote Double Riser

Remote Single Riser

Foundation Single Riser

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Fixed Foundation Gas Riser Brackets

Fixed foundation gas riser brackets are designed to support gas line risers at a specific distance from a wall or building foundation. We offer brackets ranging from 4" to 12".

M-Series Bracket

T-Series Bracket

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Pipe Wrench Handle Extension

Our pipe wrench handle extenders were developed as a means to safely reduce the amount of force required for tightening. A locking pin is used to attach the extender to the wrench for personnel safety and the pin is chained to the extender to prevent loss.

Example:

The approximate force required to tighten a 1" fitting on a:

14" wrench is 64 lbs. of force

18" wrench is 52 lbs. of force

24" wrench is 37 lbs. of force

The approximate force required to tighten a 1" fitting on a:

14" wrench with 24" Handle Extender is only 38 lbs. of force (40% reduction)

18" wrench with 30" Handle Extender is only 31 lbs. of force (40% reduction)

24" wrench with 45" Handle Extender is only 20 lbs. of force (46% reduction)

Pipe Wrench Handle Extension benefits:

- The pipe wrench is pinned into position inside the handle extender for personnel safety
- Knurled non-slip grip provided, 12" long for secure gripping
- Properly sized to the wrench to reduce the risk of damaging the wrench or fitting
- Made of standard aluminum pipe and designed to visibly bend before breaking the wrench
- Light weight construction helps to reduce fatigue

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The "Stubby" Plug Valve Lubricator & Greaser

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

Machined from alloy steel, the Stubby is durable and 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” plug valve lubricator** is individually packaged with easy to follow instructions. It uses a B size stick of lube sealant.

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Tracer Wire

Tracer wire is used for general purpose wiring circuits, machine tool wiring, and internal wiring of appliances. Common applications of TW/THW wire are for use in control panels, refrigeration equipment, air conditioning equipment, control wiring of machine tools, automatic washers and many more. This type of wire is also found in residential, commercial and industrial buildings. TW/THW is intended for use in dry areas not exceeding 90 degrees Celsius. The insulation on TW/THW wire is a heat and moisture resistant polyvinyl compound (PVC). This is available in 14-8 AWG.

Underground tracer wire is used to accurately locate underground pipes and lines. The underground tracer wire is laid alongside the pipes or lines during installation in order to find them at a later date for safe digging. Underground tracer wire is available in sizes 14- 8 6 AWG in an array of colors, depending on the intended use. The insulation on underground tracer wire is a high molecular weight, high-density polyethylene, which is resistant to abrasions, crushing, chemicals, oils and moisture.

Construction and Specifications:

- The conductor is a solid or stranded copper per spec ASTM B-1, B-3, or B-8.
- Insulation is yellow, high molecular weight polyethylene (HMWPE) ASTM D-1248
- Operating temperature is 70 degree C dry and wet
- Voltage is 20 & 30 Mil = 30 - 300 volts (45 Mil = 600 volts)
- 500', 1000', 2500' Reels standard, longer lengths available upon request

This specification describes a single conductor tracer wire. It is intended to carry a radio signal to aid in the location of buried plastic pipes. The wire may be identified by surface printing indicating manufacturer and/or conductor size. Custom legends are available.

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Underground Pipeline & Utility Markers

Underground pipeline markers are an effective means of locating underground gas and water pipes. Markers can be damaged by the abusive nature of construction sites, the weather and direct sunlight. As a result, these pipeline markers lose their protective purpose as a warning system.

Energy Control Systems has a better solution. Our proprietary process features UV resistant lettering sealed with a high build urethane coating directly printed on high-density polyethylene. Our underground pipeline and utility markers are designed to be weatherproof, durable, maintenance-free high visibility warning systems for identifying underground:

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

All of **ECSI's underground pipeline 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" which can be an issue with flat markers. Our design prevents major damage to vehicles or equipment if accidentally run over. Our markers can be fitted with test terminal stations and Cross anchor bars are available when the markers are used in loose soil areas.

Our underground pipeline markers are available in white, yellow, orange, green or red. Other additional colors are available upon request.

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Anodeless Risers

Anodeless risers are used by gas utilities to connect services lines to gas meter sets. Anodeless risers do not require cathodic protection. ECSI"s anodeless risers provide a safe and permanent connection to the gas meter and have a protective coating to resist corrosion and soil conditions.

Energy Control Systems manufactures a wide range of anodeless risers in a variety of styles, lengths and features to best match the requirements of your installation. Our risers are available with medium or high density polyethylene. Each riser is 100% pressure-tested and meets all DOT requirements.
We offer size ranges through 4" IPS and they can be ordered with a plain or stab inlet to meet your application needs.

ECSI-VENT™ Alert System - An ECSI Exclusive

Available with an ECSI-VENT ™ transition head that allows any fugitive emissions migrating along service line to harmlessly vent to atmosphere alerting homeowner or gas company personnel.

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Flexible Anodeless Risers

Anodeless Risers provide a safe transition from gas line to gas meter. Our flexible anodeless risers simplify installations when unanticipated obstructions and problems occur. Anodeless risers are available with stab or fusion outlets. They provide installers with dimensional flexibility during installation, thus reducing installation time and improving cost effectiveness.

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Pre-Bent Anodeless Gas Risers

ECSI's Pre-Bent risers enable you to make a permanent meter set connection that requires no cathodic protection . . . available with stab or fusion outlets.

These pre-bent risers provide the right angle and a rigid construction making gas line installation quick easy and safe.

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Hybrid Flex Anodeless Risers

ECSI's Hybrid Flex Anodeless Risers are the combination of a flexible gas riser with the rigidity of a pre-bent riser. Together, they provide a strong and flexible installation method for gas line to gas meter connections.

Like all of our anodeless risers, ECSI's hybrid unit is powder coated with epoxy or polyester coatings and provides maximum protection against corrosion and underground conditions. The hybrid unit is available with stab or fusion outlets.

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ECSI-VENT ™- Alert System

The ECSI-VENT™ is a transition style service riser for extra peace of mind for homeowners everywhere. This alert system detects existing gas leaks alongleaks along the service line in the vicinity of your home, reducing your risk and exposure to unwanted fuel gas accumulation. Coupling or stab joints can leak if improperly installed causing leaks along gas mains that can migrate towards service lines. When gas builds up, explosions can occur. Gas lines running under concrete leave no room for safe ventilation of migrating gas into the atmosphere, instead forcing it to be released once it reaches your house. The ECSI-Vent system is specifically designed to alert you of an EXISTING gas leak and does not create or enhance leaks in any way. It is available with a rigid or flexible casing.

How the ECSI-VENT Works

The ECSI-VENT riser provides simple leak detection by:

- The homeowner (odor)
- A routine utility "sniff" under the riser head
- The use of a bridging sleeve is recommended:
- Shields the underground end of the riser from backfill
- Protects the coupling from stresses associated with axial misalignment

Product Design

- Field proven "transition head" design identical to the design used on our non-vented risers.
- Rigid, flexible or "hybrid" protective casings.
- The unique factory made connection between the riser head and the protective casing provides the venting.
- Multiple venting ports that are safely protected from the weather and from infiltration by insects.

Installation

- No special tools needed
- No special training required
- ECSI-VENT is installed just like any standard riser

Advantages

- Utility preferred transition style technology
- Multiple venting ports allowing fugitive gases to escape safely to atmosphere
- Eliminates the buildup of dangerous fuel gas at the base of the riser in the vicinity of a structure
- Safely vents minor leaks and identifies elevated flow rate leaks
- Cost is nearly identical to a standard, non-vented riser…
- With an additional margin of safety!
- Peace of mind for a homeowner at little or no added cost!

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P E Transition Fittings

PE transition fittings are designed to “transition” polyethylene and steel providing a secure gas line connection between two different materials.

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 ASTMF-1973
- Available in PE 2406 (yellow), PE 3408-4710 (black)
- 100% pressure tested

Our transition fittings are designed, manufactured and tested to meet or exceed regulatory compliance providing a positive seal necessary in gas line installations.

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Husky Magnesium Drive-In Anodes

The "Husky" **Magnesium Drive-in anode** is the easy and reliable way to protect natural gas service lines. The quality and reliability has been proven over the past 25 years of sales. It features an unbreakable cap that has never failed a single ECSI customer. Available in SEVEN different sizes and styles ranging from 1/2 lb. to 3 lbs.

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.

With Clamp

Without Clamp

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 wicked into the joint and a 100% silicone rubber (of marine and electrical noncorrosive grade) is used as the encapsulating sealant.

The standard "Husky" magnesium 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.