Pipeline Seal and Insulator, Inc.

Introduction
Casing Isolators & End Seals
Sealing & Insulating Gaskets
Monolithic Isolating Fittings
Wall Penetration Seals - Engineered Sleeves
Design and Engineering
Quality Assurance
Pipeline Seal and Insulator is a worldwide manufacturer and marketer of high quality products used to guarantee the safe flow of fluids passing through pipeline transmission and distribution systems.

Wherever you find pipelines carrying fluids to electrify factories, energize cities, fuel transportation systems and quench the thirst of nations - you’ll find the products of Pipeline Seal and Insulator.

PSI casing isolators/spacers, sealing and isolating gaskets, flange isolation kits, monolithic “weld-in” isolating fittings and “through-wall” penetration seals are respected worldwide...
for superior performance. In fact, many “high profile” projects, such as the Alaska pipeline, include PSI manufactured products that are performing to specification even after several decades of service.

For over 35 years PSI has been providing industry with world class products used to keep pipelines and piping systems operating at maximum efficiency.

PSI...sealing, connecting and protecting the world’s pipelines.
Casing Isolators and End Seals

PSI casing isolators and end seals are used to help position and electrically isolate carrier pipes from casings as pipelines traverse road, highway, railroad, river, canal and bridge crossings. While initially designed to serve as “blow-out” protection for major thoroughfares, new and varied applications for PSI isolators abound.

Pipe spacers, an expression developed by the water industry, are used to permanently position, support and facilitate insertion of large diameter water transmission and distribution carrier pipe within casings.

Custom designed isolators are used to position and insulate multiple carrier pipes within a...
Custom Isolators/Spacers

Custom models may be ordered to accommodate multiple carrier pipes within a single casing and for special centering applications. Isolators with "high rise" runners may be ordered for large carrier/casing differentials.

End Seals

End seals include a standard pull-on "S" model, a custom pull-on "C" model, a wrap-around "W" model and a fireproof model "FW". Custom end seals may be ordered for any carrier/casing differential.

PSI isolators/spacers may be used with steel, ductile iron, concrete or plastic pipe, on either side of a mechanical joint, to provide additional clearance and to support the weight of the pipe and its contents.

Casing isolators, spacers or positioners - whatever you call them - if they’re PSI designed and manufactured, they’re made to last for the life of the piping system.
Sealing and Insulating Gaskets

For over 35 years Pipeline Seal and Insulator has been a technology leader in the field of high quality sealing and isolating products used to guarantee the safe flow of fluids passing through pipeline transmission, distribution and process piping systems.

An installed base of thousands upon thousands of gaskets and flange insulation kits, effectively sealing and maintaining the integrity of corrosion mitigation programs everywhere, confirms the effectiveness and reliability of the PSI system. In fact, PSI flange isolation products are relied upon for applications subject to the most severe conditions (both internal and

GasketSeal® Sealing Gaskets
The GasketSeal is a highly effective “O” ring type sealing gasket that has been used for years by a wide variety of industries for leak prevention.
Sealing elements may be selected from a broad range of elastomers while retainers may be made from a variety of dielectric materials or metals.

LineBacker® Sealing Gaskets
The LineBacker utilizes a unique sealing element configuration (rectangular in cross section) in combination with a retainer groove contour. This allows materials that do not normally exhibit elastic memory to be used as effective sealing elements. LineBacker sealing elements may be selected from a broad range of elastomers and plastics including Teflon. Retainers may be made from a variety of dielectric materials or metals.

FlangeMate®
The FlangeMate concentrates the total compressive load of a flange face on the sealing elements to produce a seal with a higher sealing load per square inch than any other gasket. Sealing elements may be made from any compressible material while retainers may be fabricated from any formable metal.
external), for specialized or exotic fluids or for applications subject to extreme temperature and pressure fluctuations.

Matching retainer material and sealing element with service condition allows both LineBacker® and GasketSeal® gaskets to provide a means for effectively sealing more varied fluids at wide pressure and temperature ranges.

New to the PSI line of flange isolation products are the LineBacker Zero, LineBacker 250 and 251, a series of gaskets designed to address problems associated with asbestos substitutes and fugitive emissions.

Custom Gaskets
LineBacker and GasketSeal sealing gaskets may be custom made to any shape - up to diameters of 12 feet and larger.

Flat Gaskets
PSI flat gaskets consist of a hard core retainer sandwiched between rubber laminates to provide additional support and improve the dielectric strength of the gasket. Sizes range from 1/2” and larger.

Flange Insulation Kits
Flange insulation kits are available for all flange sizes, types, pressure ratings and materials. Each kit includes sleeves, insulating washers and steel washers for each bolt.
Isolating fittings or “weld-in” isolators are used to eliminate the potential for short circuits and simplify the installation of pipeline corrosion mitigation hardware.

The ElectroStop® Isolating Fitting is completely self contained and factory assembled so there are no flanges, gaskets, nuts, bolts, sleeves or washers to handle - only two welds or a pipe wrench are required for complete installation.

Fluid leaks due to improper field assembly are almost an impossibility. And for further protection, the ElectroStop is internally lined which effectively prevents any electrical bridging of the

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**Monolithic Isolating Fittings**

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insulating gap.

Each ElectroStop is 100% tested for electrical resistance and completely weld inspected with combinations of ultrasonic (UT), magnetic partic- cal (MT) and dye penetrant (LT) tests performed on all welds.

The ElectroStop is manufactured in accordance with ISO 9002 specifications. Control over all stages of production is ensured by close adherence to an in-place and on-going ISO 9002 quality assurance program which is constantly monitored and subject to periodic audit.
Through-wall Pipe Penetration Seals and Engineered Sleeves

Link-Seal® mechanical “through-wall” pipe penetration seals are considered to be the premier method for permanently sealing pipes of any size passing through walls, floors and ceilings.

Once installed, the Link-Seal is rated at 20 psig (40 feet of head) which exceeds the performance requirements of most applications. Color coded EPDM, Nitrile & Silicone elastomers may be used with various hardware options to match performance characteristics with service conditions.

For the system approach, non-conductive Century-Line® molded sleeves with water stops...
may be ordered with Link-Seal to ensure correct positioning and guarantee a water tight seal.

For larger hole applications, Cell-Cast® disks may be used for creating 24” to 48” diameter holes in poured concrete walls.

With a wide variety of hardware/elastomer combinations, Link-Seal is easily configured to achieve the best possible match for service conditions encountered. High temperature seals, fire seals (Factory Mutual approved) and oil resistant seals may be ordered to meet special or unique service applications.

Century-Line®

Century-Line sleeves are used to create circular holes in all types of concrete poured barriers including: walls, floors and ceilings. Molded from non-conductive, high impact resistant HPDE, Century-Line sleeves are lightweight and easily installed by one construction worker. They are available in 16 different diameters ranging from 2” to 25” and shipped, from stock, in any desired length.

Cell-Cast®

The Cell-Cast modular hole forming system is used to create 30” and larger diameter holes in concrete walls. The system consists of 3” and/or 4” lightweight interlocking polyethylene discs or cells which are stacked to form the thickness of the poured concrete wall.
Facilities

With facilities located in North America and Western Europe, PSI is positioned to provide products and services on a timely basis to any location in the world. Modern manufacturing space is devoted to:

• design and engineering
• laboratory testing
• metal stamping and forming
• fluidized bed coating
• assembly
• packaging
• warehousing and shipping.

Design and Engineering

The most innovative technology and advanced engineering techniques are used in the development of PSI products. An inventive engineering staff combines creativity with computer technology in producing a highly reliable line of casing isolators/spacers, sealing gaskets, isolating fittings, flange isolation kits and “through-wall” pipe penetration seals.

New products that emerge from the PSI design center are fully tested with respect to product performance and reliability over life cycles comparable to those encountered in the most hostile environments on earth.
ISO 9002 Quality Assurance

The policy of Pipeline Seal and Insulator is to provide customers' with only the highest quality products that are appropriate for their intended application. As an integral part of this policy, PSI (the company) is fully committed to supporting the quality assurance program to insure PSI’s products consistently conform to the specifications as indicated in all product documentation. The program is designed to provide the quality control information necessary for management to monitor work operations and manufacturing processes that will result in achieving, on a consistent basis, the level or quality desired.

Customer Service
Engineering support, training support and field support services back all PSI products. High quality promotional materials, detailed installation booklets and slide or video installation programs are available for all product lines. If an installation problem arises that can't be handled over the phone by an applications engineer, PSI will send a representative into the field to find and solve the problem on the spot.

International Sales Reps.
International sales and service representatives are strategically positioned throughout the world to service local needs with local knowledge.