BlueSky designs and manufactures the most reliable, innovative, and advanced solutions to meet difficult process piping challenges.
BlueSky designs and manufactures innovative and advanced high performance products for severe service piping applications. Our static pipe connectors, dynamic pipe joints, and specialty pipe fittings, as well as our custom engineered solutions, surpass our clients’ demanding expectations. “Off-the-shelf” or custom, all our products are engineered and manufactured to withstand corrosion, erosion, and high and cyclic temperature and pressure, in accordance with the highest industry standards and within an ISO 9001 certified environment.

Our unique ability to quickly customize designs and build to exact customer requirements has made us the supplier of choice for many discriminating customers. We produce reliable customized solutions for the oil and gas, refining, energy, mining, and chemical sectors.

Your challenge is our focus; our solution is your success.

ENERGY
Solutions for operations in harsh conditions in nuclear, solar, geothermal, and fossil applications

OIL & GAS
Comprehensive piping solutions for the oil and natural gas industries, including heavy oil, refining, off-shore, upgrading, in-situ, and de-frothing

CHEMICAL
Robust solutions for the chemical industry, including cryogenic, polymer, petrochemical, and industrial gas applications

MINING
Solutions for complex processing plants that operate in oil sands, pressure acid leaching, and slurry piping

PRODUCTS & CUSTOM SOLUTIONS
Our static, dynamic, and specialty pipe connectors and joints, as well as our custom engineered systems and equipment, surpass our clients’ demanding expectations.
STATIC PIPE CONNECTORS

Our reliable static pipe connectors are designed to ASME’s codes and standards for use in piping systems that require high integrity seals in severe service applications. BlueSky’s static pipe connectors deliver outstanding performance under extreme conditions.

**BlueLock. SOLUTIONS**
Pressure vessel nozzles and closures, process piping, compressors, pumps, manifolds, valves
- Compact, robust design
- Highly reliable, self energized, pressure energized, all-metal seal
- High integrity seals for use in corrosive, erosive, cyclic, high pressure, high temperature applications
- Highly resistant to external loads
- Easy and fast assembly and disassembly
- Available in 1/2” through 36”, up to ASME 4500# pressure class and temperatures up to 1500°F, in a wide range of materials

**CompLock. SOLUTIONS**
High pressure vessel closures, process piping, compressors, pumps, manifolds, valves, FPSO
- Compact, lightweight design
- Highly reliable, self energized, pressure energized, all-metal seal
- High performance alternative to conventional flanges
- Improved performance results in reduced maintenance costs
- Available in 1/2” through 24”, ASME 600 to 2500# pressure class and temperatures up to 1500°F, in a wide range of materials

**AlignLock. SOLUTIONS**
Modular systems, manifolds, limited flexibility pipes with inevitable misalignment, skid systems, confined spaces
- Compact, lightweight design; custom configurations available
- Accommodates up to 10º of total piping misalignment
- Highly reliable, self energized, pressure energized, all-metal seal
- Available in 1/2” through 24”, ASME 150 to 2500# pressure class and temperatures up to 1500°F, in a wide range of materials

**LensLock. SOLUTIONS**
High pressure chemical industry flanges, polymer plant piping systems
- Conforms to MSS SP-65
- Configurations available on request: weld-neck, socket-weld, slip-on, lap joint, threaded flanges, and more
- Seal ring is softer than flange to maintain flange-seal face integrity for frequently made-up connections
- Sealed by spherical faced seal ring on conical-faced flange
- Available in 3/4” through 6”, up to ASME 4000# pressure class and temperatures up to 1500°F, in a wide range of materials

**Modular. SOLUTIONS**
Our line of Modular Solutions™ spools, fabricated in a cost efficient manufacturing facility, are hydrotested for fast installation on site. Our dynamic team of professionals can guide you through customizing a solution to fit your specific project requirements.

**Customization**
Spool configurations can be customized using any of our Modular Solutions™ products.

**Assembly**
Your spool configuration is pre-assembled in our state-of-the-art manufacturing facility.
require high integrity seals in severe service applications. BlueSky’s static pipe connectors deliver outstanding performance and durability. Our reliable static pipe connectors are designed to ASME’s codes and standards for use in piping systems that require high strength and reliability. They are engineered to fit your specific project requirements.

Our dynamic team of professionals can ensure that your spools are hydrotested for fast installation on site. They are manufactured in our state-of-the-art manufacturing facility, ensuring high quality and cost efficiency. Our line of Modular Solutions® spools, fabricated to your specifications, are available in a wide range of materials and designs.

Our products are available in 3/4” through 6”, up to ASME 4000# pressure class and temperatures up to 1500ºF, in a wide range of materials. These spools are specially designed for high pressure vessel closures, process piping, compressors, pumps, storage tank settlement, central heating plants, and more. They are compact, lightweight, and feature high strength packing compression screws, independent packing compression, and field adjustable packing for lower maintenance costs.

For more information on these and/or other specialty pipe fittings, please contact us toll-free at (866) 643-5999 or visit our website at blueskyprocess.com.
SPECIALTY PIPE FITTINGS

BlueSky’s unique ability to customize designs and build to exacting special requirements has made us the supplier of choice in providing custom solutions.

For more information on these and/or other specialty pipe fittings, please contact us toll-free at (866) 643-5999 or visit our website at blueskyprocess.com.
CUSTOM ENGINEERED SOLUTIONS

BlueSky’s in-house design, engineering, and manufacturing expertise is the foundation that supports any requirements for custom solutions or the integration of our products.

For more information on these and/or other custom solutions, please contact us toll-free at (866) 643-5999 or visit our website at blueskyprocess.com.

Remote Clamp System

› Automated when integrated with a motor for assembly/disassembly
› Highly reliable, self energized, pressure energized all-metal seal
› Seal ring compressed/energized and bolted to hub
› High integrity seals in cyclic, high pressure, high temperature applications
› Zero fugitive emissions

Standard sizes from 1/2” to 16”; larger sizes available

Retractable Feed Nozzle System

› Solid ceramic spray nozzles provide superior erosion resistance
› Manifold: Designed for optimal distribution of the bitumen stream through the spray nozzles into the vessel
› Bitumen feed pipe: Hard-faced pipe overlay on OD for erosion protection
› Chrome plated cylinders on OD for corrosion protection and seal integrity
› Abrasion resistant packing to ensure a long, leak-free seal life
› Extraction mechanism via motor-operated linear drive assembly

Weighing over three tons, this custom designed Retractable Feed Nozzle System is over 40 feet long and 5 feet high.

ENGINEERING DESIGN TOOLS

BlueSky utilizes the following in-house design tools:
› Creo 3-D Solid Modeling CAD
› ANSYS Finite Element Analysis (FEA)
› In-House Research and Development Prototype Testing Facility

QUALITY CONTROL TOOLS

In addition to conventional equipment, BlueSky has these in-house tools:
› Coordinate Measurement Machine (CMM)
› Portable Coordinate Measurement Machine
› Programmable Dot Matrix Marking Machine
› Positive Material Identification (PMI)
› Coating Thickness Gauge
› Surface Finish Gauge
› Hardness Gauge
THINK BLUESKY

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BLUESKY PRODUCTS IN YOUR INDUSTRY

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