



ARVI HITECH PRIVATE LIMITED



PRODUCT PRESENTATION - ING

Authorised Distributor Of Parker Hannifin



ABOUT PARKER

Parker is the world's leading diversified manufacturer of motion and control technologies and systems, providing precision-engineered solutions for a wide variety of commercial, mobile, industrial and aerospace markets.

- 263 manufacturing sites around the world
- 8,200 distributors
- 400,000 customers
- 3,200 product lines
- Listed as PH on the NYSE



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PARKER PROCESS CONTROL

Parker Hannifin is dedicated to being the global leader in the design, manufacture and distribution of high quality, critical flow and ultra high purity components.

Process control is the technology of regulating processes to provide stable and consistent output. Parker strengths include process instrumentation, semiconductor, power generation, medical and analytical applications.



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INDUSTRIES

PARKER ING

- Petrochemical
- Chemical Processing
- Oil and Gas
- Power Generation
- Water Analysis
- Biopharmaceutical
- Semiconductor Manufacturing
- Analytical Equipment



KEY PRODUCTS

PARKER ING

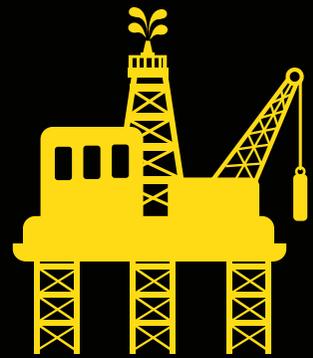
- High purity gas delivery fittings, valves & regulators
- Instrumentation fittings, valves & regulators
- Analytical sample conditioning products & systems
- Medium pressure fittings & valves
- Process control manifolds
- Flanged products for oil & gas, petrochemical and chemical
- Fluoropolymer chemical delivery fittings, valves & pumps
- Corrosion resistant fittings, valves, manifolds and flanged products

CPI FITTINGS



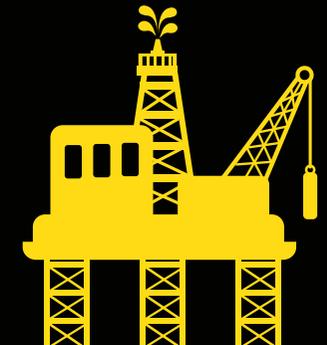
- Three piece simple design to work on all instrumentation grade tubing
- Molybdenum Disulfide coated nuts to prevent galling and provide lubrication
- Single ferrule system treated with Suparcase™ technology to insure sealing
- Superior body seat surface finish to seal gases and liquids
- Single ferrule technology to provide excellent anti-vibration performance
- Excellent in high thermo cycling applications

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A-LOK[®] FITTINGS

- Industry standard design for all instrumentation grade tubing
- Silver coated threads to reduce galling
- Back ferrule is treated with Suparcase™ technology to provide a strong mechanical grip on the tube
- Industry double ferrule design for system specifications



MPI FITTINGS

- Compression fitting for medium pressure applications up to 15,000 psi (1,034 bar)
- Inverted body and nut design for added strength with thick-wall tubing
- Longer thread area for improved performance and resistance to vibration
- Molybdenum Disulfide coated nuts to prevent galling and for higher temperature applications
- Installation and rework time reduced by 50%

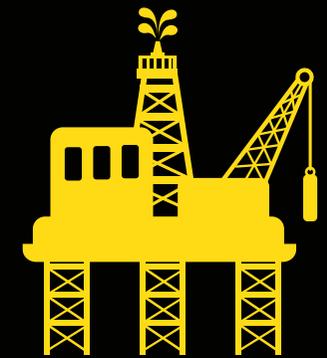




PHASTITE

- Option for welded systems
- Simple assembly process provides high integrity connections, first time every time
- Installation time reduced to seconds
- No loose parts, supplied factory pre assembled
- Permanent push fit tube connector with working pressures up to 13,300 psi (917 bar)

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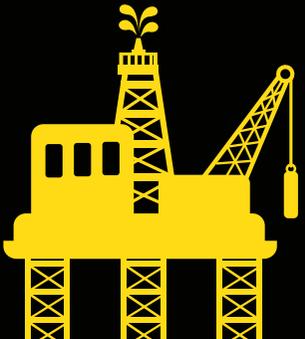


INSTRUMENTATION PIPE FITTINGS



- Manufactured from 316 stainless steel for superior corrosion resistance
- Available with NPT and ISO thread configurations
- All exposed threads protected to prevent damage
- All pipe threads meet ANSI B1.20.1 requirements

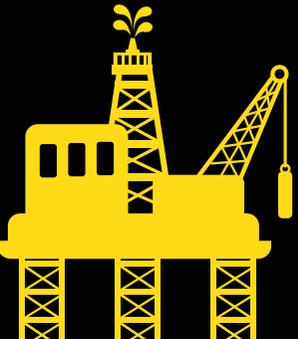
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WELDED FITTINGS



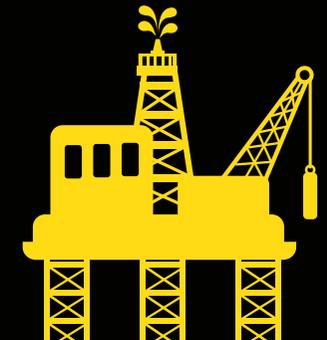
- Available in socketweld, buttweld and automatic buttweld connections
- Manufactured to meet ASME Section III, and ANSI B31.1 and B31.7 codes
- Permanent, leak free connection
- For critical applications and high temperatures such as steam



TUBING

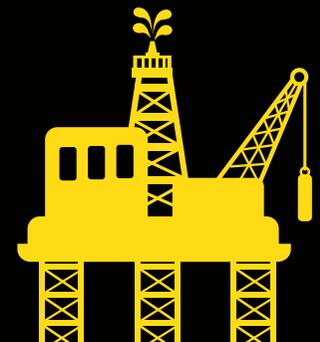
Our welded or seamless instrumentation tubing is available in 316/316L stainless steel, as well as a range of the most commonly used exotic alloys. These include 304/304L, 6Mo, 321, SAF 2507, 625, 825, and Hastelloy C276.

- Controlled and consistent quality to provide easy welding
- Plugged ends provide protection during transit and from environmental contamination
- Strictly controlled ovality, concentricity, and close tolerances
- Meets ASME, ISO 9001, QS-9000, PED 97/23/EC, JIS, TUV, and LRQA requirements for tubing



AUTOCLAVE ENGINEERS

- Parker's Ultra-High Pressure Fittings, Valves, Adaptors and Tubing.
- Parker Autoclave Engineers products are known industry wide for their ability to operate at pressures in excess of 150,000 psi (10,340 bar)
- Low Pressure line nicknamed "Speedbite", rated for applications to 15,000 psi (1034 bar) is available.
- Speedbite valves and fittings utilize a single ferrule compression sleeve connection which provides easy, leak free performance, matched to P-AE specified instrument tubing sizes from 1/16" to 1/2".

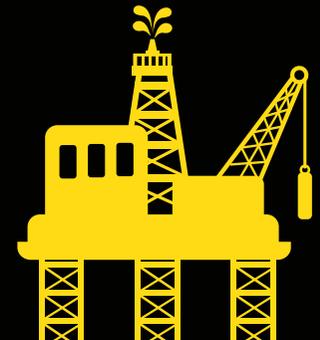


MANIFOLDS

2, 3 AND 5-VALVE INSTRUMENTATION MANIFOLDS.

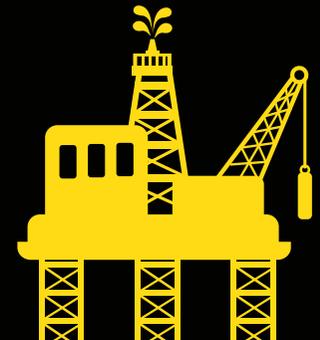


- Two piece body design - minimal leakage paths
- 4:1 Pressure boundary designed safety factor
- Designed to comply with requirements of ANSI/ASME B16.34 where applicable
- Bi-directional
- Floating ball principal with dynamic response seats featuring inherent self relief
- Integral compression ends available eliminating taper threads and thread sealants
- Low torque operation
- Quarter turn positive stop handle with ergonomically designed protective sleeve
- Full hydrostatic and low pressure air tested
- Anti static
- Optional firesafe designed to meet API 607, BS6755 Pt2.d



CHECK VALVES

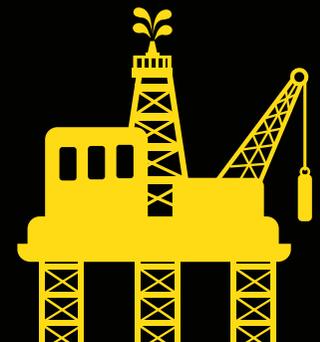
- Resilient, custom molded, blow-out resistant seat design
- Back stopped poppet minimizes spring stress
- 100% factory tested for both crack and reseal
- Cracking pressures include: 1/3, 1, 5, 10, 25, 50, 75 and 100 psi.
- Port connections include male and female NPT,
- CPI™, A-LOK®, UltraSeal, VacuSeal, BSP, SAE and Seal-Lok®
- Heat code traceability





INLINE FILTERS

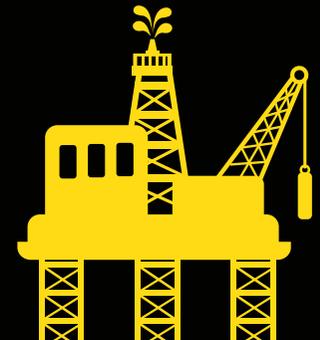
- Compact inline design with large filtration area__
- Stainless steel and brass construction__
- Replaceable sintered 316 stainless steel filter element__
- Standard sintered metal micron ratings: 1, 5, 10, 50, and 100__
- Optional 250 and 450 micron wire cloth filter elements__
- Port connections include male and female NPT, CPITM, A-LOK®, UltraSeal, VacuSeal, BSP, SAE, and Seal-Lok®__
- Heat code traceability



BALL VALVES

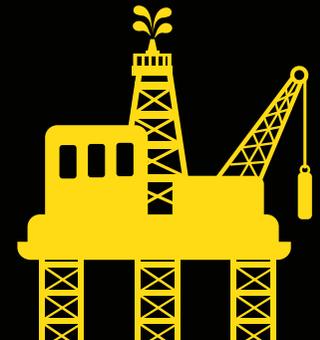
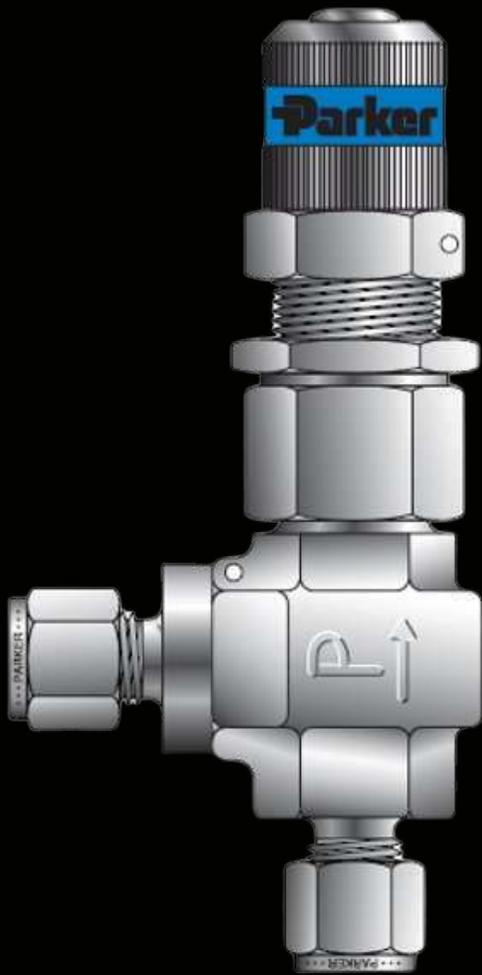


- Free floating ball design provides seat wear compensation.
- Available in 316 Stainless Steel and Brass. Monel® Alloy 400 and Hastelloy® C-276 construction available upon request.
- Micro-finished ball provides a positive seal.
- Straight through flow path for minimum pressure drop.
- Wide variety of US Customary and SI ports.
- 90° actuation.
- Panel mountable.
- Adjustable PTFE stem seal can be maintained in-line.



RELIEF VALVES

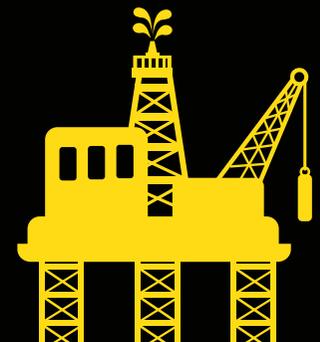
- Pressure settings are externally adjustable while the valve is in operation. Eight different spring ranges provide greater system sensitivity and enhanced performance. (Pressures - Upto 6000 PSI)
- __ Captured molded seat design is blow-out and chip resistant.
- __ Manual Override option with positive stem retraction is available for pressures up to 1500 psig (103 bar).
- This option permits the user to relieve upstream pressure while maintaining the predetermined cracking pressure.
- __ Color coded springs and labels indicate spring cracking range.
- __ Lock wire feature secures a given pressure setting.



NEEDLE VALVES



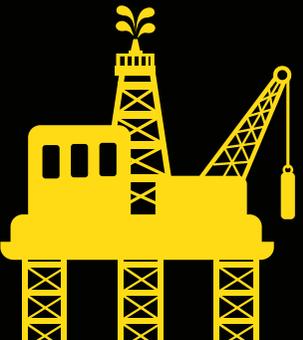
- Choice of three stem types:
 - R-Stem - All metal, blunt stem tip
 - N-Stem - All metal, tapered needle stem tip
 - K-Stem - PCTFE stem tip
- Differential hardness between the strain hardened stem and cold formed body threads provides improved cycle life
- Choice of PTFE packing or elastomeric O-ring stem seals
- 316 Stainless Steel, Steel, Brass and Alloy 400 construction
- Inline and angle patterns
- Wide variety of US Customary and SI ports
- Panel mountable
- 100% factory tested
- Optional color coded handles





PRESSURE REGULATORS

- Unique compression member loads the seal to the body without requiring a threaded nozzle or additional seals
- Internally threadless design reduces particle generation. Low internal volume reduces purge times.
- Cleaned for O2 service is standard
- Positive upward and downward stops increase cycle life by preventing over stroking of the diaphragm
- Selection of seat materials for media compatibility and temperature applications







CONTACT US

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