

To learn more about Hex Valve products and to find the name of a local representative visit: www.hexvalve.com



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Key markets include: chemical, petrochemical, water resources, oil & gas, refining and power. Other sectors include: paper products, tire and rubber, machinery and electrical equipment, transportation equipment and power generation.



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Richards Industries is the parent company of five distinct industrial product lines:

- **Jordan Valve** – Pressure and temperature regulators; pneumatic and electric control valves
- **Marwin Valve** – Ball valves and automated products
- **Hex Valve** – Instrumentation valves and manifolds
- **Steriflow Valve** – Sanitary regulators, control valves and steam traps
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Servicing the Global Chemical Processing Industry

***Manifolds
Instrument Valves***



To many in the chemical processing industry, Hex Valve is synonymous with bar stock instrument, gauge and orifice valves. That's because these valves were innovations developed by Hex nearly a half century ago to simplify piping associated with gauge and differential pressure transmitter applications.

Simplify and Minimize

This remains our mission today: to develop valve products that simplify and minimize the piping associated with instrumentation, sampling and gas distribution installations.

Hex Valve product lines cover almost every conceivable primary and secondary valve application for:

- Gauge pressure installations
- Differential pressure flow installations
- Sampling installations
- Instrument air/purge gas installations
- Liquid level installations

Hex Valve – In The Chemical Industry

Wherever there is a need to safely isolate-vent-calibrate instruments and gauges, Hex Valve can provide an off-the-shelf or engineered solution.

- Instrument manifolds and valves
- Close-coupled systems
- Orifice block valves
- Gauge valves
- Needle valves
- Block and bleed valves
- Liquid sampling valves
- Winterization options and accessories

Note: Hex Valve products are available in carbon steel, stainless steel, Duplex, Super Duplex, Hastelloy®, Monel®, Alloy 20, Zirconium and materials to NACE MR-01-75. Products meeting ANSI B 31.1 and ANSI B.31.3 criteria are also available.

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Instrument and Needle Valves

HN Series Needle Valves

The HN29, 39 and 41 Series Valves are available in carbon steel and stainless steel with 1/8 in (3 mm) to 1 in (25 mm) NPT or tube fitting ends. These compact soft or hard seated valves will contain pressures to 6000 psi (415 bar) and withstand temperatures to 1000°F (538°C) when Grafoil® packed.



The HN49 is a heavy-duty valve featuring a robust stem and bonnet design with enhanced packing arrangement. A variety of hard metal or soft polymer/fluoropolymer seats along with high nickel and light reactive alloy body materials are available. Pressures to 6980 psi (480 bar); temperatures to 1000°F (538°C). Sizes 1/4 in (10 mm) through 1 in (25 mm) with orifices from 1/8 in (3 mm) to 1/2 in (15 mm).

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Primary/Gauge/Block & Bleed Instrument Valves

HG35 Gauge/Block Valve

Hard seated, 1/2 in (15 mm) and 3/4" (20 mm) valves in carbon steel or stainless steel with male inlet and outlet. Meets application requirements for a block and bleed valve without need for a close nipple when connecting to a female port on a gauge pressure transmitter. Rated to 6980 psi (480 bar).



Complementary Valves

- Primary/orifice block
- Block and bleed
- Gauge syphons
- Sample/drain
- High temperature

Instrument Valve Manifolds

(Two Valve Manifold-Level) HM58 Level Manifold

A simplified, lower cost alternative to D/P level installations, the HM58 allows the user to construct a level installation with minimal components. Eliminates tubing, fittings, instrument pipe stands and associated installation costs. VOC emissions compliant. Choice of universal or standard flange.



HS31 Sample/Drain Valve

Initially developed for refinery bottoms sampling, the HS31 is also used by chemical processing customers around the world. This uniquely designed valve grabs fresh, debris-free samples of high and low pour point process fluids while providing tight shut-off. It features a reciprocating stem, two outlet ports and metal-to-metal seats. Available with manual or automated actuators and integral steam tracing (as shown). Dual seating optional.



Complementary Products

- Three valve manifolds (HM53, HM45, HM46)
 - Handle block, equalizing and venting requirements of differential pressure applications in one compact valve assembly

HM13 Rigid Mount Manifold

Single flanged manifold featuring integral mounting bracket. Mounts directly to the pipe stand securing the impulse lines so the transmitter can be installed or removed independently of the piping. Available in standard two or three valve manifold or a blowdown manifold with an integral welded mounting plate.



Close-Coupled Systems

Hex close-coupled systems provide custom mounting configurations for all differential pressure transmitters by providing root isolation valves, futbols and manifolds along with bleed plugs, tees and other accessories. Combinations of standard valves are available for every installation orientation, configuration and process fluid.



Complementary Products

- Specialty manifolds
- Equalizing manifolds
- Instru-mount
- Distribution
- Options and accessories

ANSI B31.3 Valves

Hex Valve offers an extensive line of manifold valves, orifice block valves, needle valves, block and bleed valves and gauge block valves specifically for ANSI B31.3 chemical process applications. Most are also available to ANSI B31.1 design criteria.

