

Hydril Pressure Control Choke Valves

Superior choke performance

Pressure Control Equipment: Valves

Applications & Benefits

Nearly 30 years ago, a Hydril Pressure Control production choke introduced the industry to a cage-trim design that redefined choke valve reliability and longevity. Today, we offer two high-performance Hydril Pressure Control choke product lines – “sleeve” design valves for critical service applications and “plug” design valves for moderate to severe applications. Both have demonstrated superior performance and length of life under the harshest of conditions. They are ideal for high pressure drops, high flowing velocities, corrosive fluids, H₂S, CO₂, low temperatures, steam injection and wells with heavy erosion potential. Our high-performance Hydril Pressure Control chokes are:

- Ideal for environmentally sensitive areas where reliability and dependability are critical
- The most effective and technically superior chokes on the market

Key Features

Every Hydril Pressure Control choke valve features our unique cage trim (nozzle) design that allows the valve to dissipate rather than absorb destructive energy. By containing the energy within the nozzle, our valves mitigate possible erosion damage to the valve body and internal components, resulting in long life and high performance. Standard models in the sleeve design are the CFB, BFB and BFC. Standard models in the plug design are the PRB and PRC. Unique choke valve features include:

- Extended nozzle models limit downstream erosion to the trim protecting the body from damage
- Redundant stem sealing with our patented Hydril Pressure Control stem-seal stack



The Hydril Pressure Control Choke Valve Advantage

For more than thirty years, Hydril Pressure Control chokes have been some of the most effective and technically superior on the market. Today, we use computer-aided design and field performance data to continuously redefine reliability, designing and manufacturing the next generation of high-performance choke valves. When performance is critical, whether in high pressure drops, low temperatures, high flowing velocities, steam injection, with corrosive fluids or in environmentally sensitive areas, Hydril Pressure Control chokes deliver.

Engineering Data

Hydril Pressure Control choke valves are designed and manufactured in accordance with API-6A. Product Specification Levels (PSL) 1 to 4 are available and they can be supplied in any of the API material classes suitable for temperature classification K through U.

End connections are flanged and available with ANSI or API flanges. Similarly, dimension of the flange face to flange centerline can be made to fit customers' requirements.

Various trim materials are also available such as stainless steel, stellite and tungsten carbide. Different combinations are available for varying degrees of corrosion and erosion potential.

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