



Choke Valves

Superior choke performance

Applications and Benefits

GE's Oil & Gas offers two high-performance [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.

Key Features

Every 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 sleeve design are the CFB, BFB and BFC. 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 steam-seal stack



BFB



PRB



CFB

The GE Oil & Gas Choke Valve Advantage

For more than thirty years, GE Oil & Gas 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, GE Oil & Gas chokes are a very good choice.

Engineering Data

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, the 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.