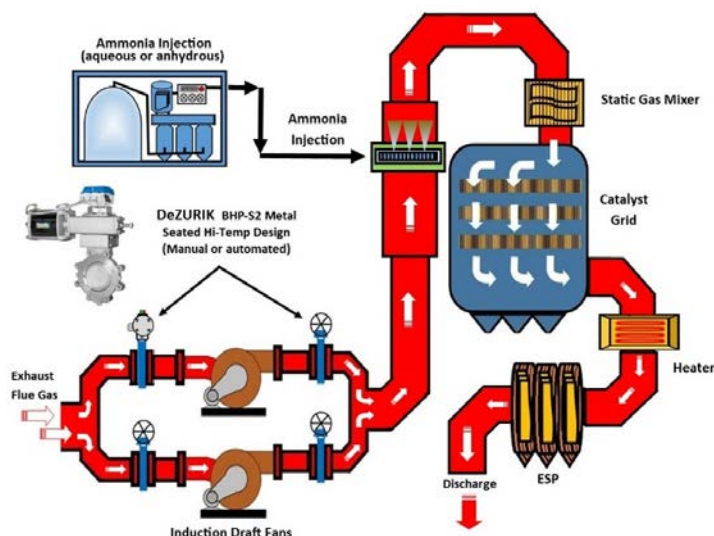


Cold Air Dilution Process



Flue Gas Induction Process

DeZURIK Valves for Gas Fired Utilities Selective Catalytic Reduction (SCR) Applications

Application market: Gas Fired Utilities

Unit Application: Selective Catalytic Reduction (SCR) Systems

Valve Applications Within the System: Induction draft fan intake isolation, induction draft fan discharge isolation. Dilution air blower intake isolation, dilution air blower discharge isolation.

DeZURIK Valve Styles: BHP-S2 Metal Seated High Performance Butterfly Valves with seat, disc and packing system designed for high temp applications within the system.

BOS-US Resilient Seated Butterfly Valves for ambient dilution air applications within the system.



DeZURIK Advantages in Gas Fired Selective Catalytic Reduction (SCR) Applications:

DeZURIK BHP High Performance Butterfly Valves (Flue Gas Induction Process)

- BHP offset disc design for reduced sealing friction and repeatable sealing.
- Position-seated design seating reduces the possibility of the valve locking in thermal cycling applications compared to torque-seated designs.
- Metal seated for temperature rating of 700°F. (370°C) to 1000°F (538°C).
- Live-loaded dual seal graphite packing system for leak free operation.
- Seat and disc designed for high temperature service.
- ASME Class 150 & 300 available, wafer or lug body patterns.

DeZURIK BOS-US Resilient Seated Butterfly Valves & BHP High Performance Butterfly Valves (Cold Air Dilution Process)

- BOS-US & BHP both utilize an offset disc design for reduced sealing friction and repeatable sealing.
- BOS-US valves feature fully bonded elastomer seats for repeatable sealing (cold side).
- BOS-US valves have a splined disc connection for mechanical integrity and durability (cold side).
- BOS-US valves are pressure rated to Cold working 250 psi CWP (1720 kPa)
- BHP High Performance Valves have a position-seated design which reduces friction during cycling compared to torque seated designs.
- BHP High Performance have reinforced PTFE seat options for ambient air applications up to 500°F (260°C)
- BHP High Performance Valves are available in ASME Class 150 & 300 wafer or lug body patterns.

SALES AND SERVICE

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DeZURIK, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing by DeZURIK, Inc. Certified drawings are available upon request.