



News Release

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JOHN CRANE INTRODUCES BOILER FEED WATER SEAL TO HELP ELIMINATE UNPLANNED DOWNTIME AND REDUCE WATER CONSUMPTION

CHICAGO, March 8, 2016 – John Crane today announced the introduction of the 48VBF, a single cartridge, stationary head O-ring pusher seal that can operate without a cooling water system in critical high temperature pumps. The 48VBF can simplify operations at fossil-fuel steam power plants or at an on-site co-generation plant of a processing or manufacturing site.

The cooler support system is the primary cause of seal failure, which results in the boiler feed water pump shutting down and the boiler going offline. By eliminating the need for the cooler support system, the seal extends time between repairs and avoids unplanned outages. The 48VBF provides a cost saving of more than \$20,000 by removing the use of a cooling water system.

The 48VBF incorporates an innovative technology that allows the seal faces to run flatter, which provides better lubrication with less water usage. The robust design also allows for sealing of hot water above the atmospheric boiling point while minimizing leakage. This is ideal for operators who are required to adhere to water consumption regulations.

The 48VBF is an easy upgrade from the existing John Crane 48V seal, requiring nothing more than changing the primary ring.

Visit www.johncrane.com to learn more about the 48VBF and our entire mechanical seal product portfolio.

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Additional Resources

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About John Crane

John Crane (www.johncrane.com) is a global leader in energy solutions, supplying engineered products and services to energy customers and other major process industries. The company designs, manufactures and services a variety of products, including mechanical seals, couplings, bearings, filtration systems and artificial lift equipment. John Crane has more than 230 sales and service facilities in 50 countries. Fiscal year 2015 revenue was \$1.414 billion. John Crane is part of **Smiths Group** (www.smiths.com), a global leader in applying advanced technologies for markets in threat and contraband detection, energy, medical devices, communications, and engineered components.

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