Replacement of Fisher™ POSI-SEAL™ A11 Valve with Fisher 8532 High-Performance Butterfly Valve

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Management of Change

Management of Change (MOC) is a procedure used to proactively manage changes that have the potential to impact safety or the process within a plant. Evaluating new techniques for improving MOC approval procedures can have an impact on plant efficiency. Historically, upgrading obsolete products or replacing existing process control equipment had been delayed or abandoned due to the extensive paperwork involved in completing a complex MOC approval sheet.

Background

The Fisher 8532 valve is now available in size NPS 30, 36, 42, and 48. These new sizes of 8532 valve can fully replace the soon to be obsolete Fisher POSI-SEAL A11 valve NPS 30-48 Class 150/150, 150. This is part of a continuing effort to consolidate the Fisher High-Performance Butterfly Valve (HPBV) product offering.

The NPS 30-48 8532 valve has been developed with the same features and options as the NPS 14-24 range of 8532 valves. The 8532 valve configured with keyed shafts will perform and install the same as the A11 valve, and it may be used in the same applications.

For more information regarding Fisher valves, contact your local Emerson sales office.

Question & Answer Checklist

1 **Q:** Does the proposed modification cause any changes to the piping and instrumentation diagram (P&ID)?

A: No.

2 **Q:** Does the proposed modification change process chemistry, technology, or operating and control philosophies?

A: No.

3 **Q:** Does the proposed modification change how the existing plant is operated?

A: No.

4 **Q:** Does the proposed modification change process flows?

A: No.

5 **Q:** Does the proposed modification change existing pressure relief cases?

A: No.

6 **Q:** Does the proposed modification change the process description?

A: No.

7 **Q:** Have the codes and standards to which the new equipment was designed changed?

A: No. However, they may have been updated since installation.

8 **Q:** Does the proposed modification change the materials of construction, such as a change in material form (cast, forged, or alloy)?

A: No.

9 **Q:** Does the proposed modification introduce new equipment items that require periodic predictive maintenance?

A: No. These equipment items will require the same periodic predictive maintenance.

10 **Q:** Does the proposed modification change existing operator training requirements?

A: No.

11 **Q:** Does the proposed modification introduce new equipment items that require spare parts, training manuals, maintenance procedures or training to teach the maintenance department how to maintain them?

A: No.

12 **Q:** Does the proposed modification introduce new equipment items that require spares or obsolete spares for existing equipment?

A: Packing parts will be different.

13 **Q:** Does the proposed modification permanently remove the spares for existing pieces of equipment?

A: Packing parts will be different.

14 **Q:** Does the proposed modification change the inspection scope or inspection interval?

A: No.

15 **Q:** Does the proposed modification require welding work to be performed?

A: No.

16 **Q:** Have the materials of construction been reviewed to ensure that the metallurgy is correct?

A: Yes. The 8532 is available in the same materials of construction as the A11.

POSI-SEAL A11 and 8532 Valve Comparison

The following sections are intended to provide a nominal comparison between the Fisher POSI-SEAL 11 valve and the Fisher 8532 valve.

Scope, Size, Class

Sizes NPS 30-48 CL150/150, 150, and 300 of the A11 valve will be made obsolete and replaced with the 8532 valves in equivalent size and class.

Capacities (C_v)

The flow capacity of the NPS 30-48 8532 valve is the same as the A11 valve.

Actuator Sizing (Torque)

The actuator sizing for the 8532 valve is the same as the A11 valve. The sizing coefficients, breakout torque, and dynamic torque are also the same.

Dimensions

The NPS 30-48 8532 valve has the same face-face and actuator mounting dimensions as the A11 valve.

Spare Parts

The A11 valve and 8532 valve use many of the same trim parts, including seals, gaskets, and bearings. The 8532 valve is available with both standard and ENVIRO-SEAL packing. The packing parts of the NPS30-48 8532 and A11 valves are not interchangeable.

Conclusion

Emerson now offers the Fisher 8532 in NPS 30-48 as a replacement for the obsolete Fisher POSI-SEAL A11 valve (NPS 30-48). With this change, Emerson offers a simplified line of Fisher butterfly valves, while maintaining full application coverage.

Please contact your local Emerson business partner or sales office for additional details or questions regarding the Fisher 8532 valve.

Additional Resources

8532 Instruction Manual

8532 Product Bulletin

8532 Product Webpage

Visit Fisher.com to find an Emerson sales contact in your area.

http://www.Facebook.com/FisherValves

http://www.YouTube.com/user/FisherControlValve

http://www.Twitter.com/FisherValves

http://www.LinkedIn.com/groups/Fisher-3941826

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