

Expanding Through Conduit Hydraulic Gate Valve

GAH-RSO Series



DESCRIPTION

QUAM **GAH-RSO** is a Full bore through conduit **Expanding Gate** valve complete with **Rising Stem Hydraulic Actuator**

THE VALVE



TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|---|
| Valve Action | Hydraulic open or close spring return |
| Operated | QUAM Hydraulic Actuator |
| Valve Size Range | API-6A From 1 13/16" through 7 1/16" API-6D From 2" through 6" |
| Valve Pressure Ratings | API-6A From 2.000 through 20.000 PSI API-6D From 150 through 2500 lbs |
| Valve Connections | Flanged, Studded, Buttweld, Hub or Customized Connections |
| Actuator Operating Media | Hydraulic Fluids as Mineral Oil. Water Based Fluid on Special Execution. (special media compatibility available on request) |
| Material Class | API-6A: A-A, B-B, C-C, D-D, E-E, F-F & H-H API-6D in compliance with ASME B16.34 |
| Temperature Class | API-6A: L, P, R, S, T, U, V & X API-6D in compliance with ASME B16.34 |
| Shut-off Class | Tight Shut-off |

GENERAL APPLICATION

GAH-RSO is the typical Hydraulic Gate Valve suitable for installation on Christmas Trees or Production Manifolds

KEY FEATURES

Description

Expanding Gate is a two pieces segmented gate with improved sealing performances and it is available as Direct Acting

Full Bore Through Conduit

With Full Size valve bore it is Minimized the Pressure Drop across the Valve

Metal To Metal Sealing

Without soft parts it is improved sealing performance with any process fluid

Spring Loaded Seats

Floating Seats guarantee Tight Shut-off even at low operating pressures

Bi-Directional Sealing

The possibility to reverse the fluid inlet orientation, Increase the service life

Erosion Resistant Trim

Valve Trim Sealing Surfaces are Hardened to improve wearing resistance

Corrosion Resistant Trim

Trim Components are made in Stainless Steel or properly Plated to improve corrosion resistance

Proprietary Stem Packing Design

QUAM experience have been put in a special Stem Packing design for Smooth Operation, long life service and low emissions

Actuator Characteristics

Water (or other Fluid) pressure is applied only to one side of the piston. In case of emergency the actuator goes in fail close position

Exceed PR-2 Requirements

GAH-RSO valves performance exceed API-6A PR-2 requirements

BENEFITS

Tight Shut-off

Valve Trim is designed to guarantee perfect sealing in any conditions

Compact Design

Minimizing Overall Dimensions GAH-RSO is perfect for offshore applications

Heavy Duty Construction

Valve is specially designed to improve reliability, Italian origin of Forging materials is the guarantee of Valve quality

Easy & Safe Maintenance

Special considerations in design are made to permit a safe disassembly of the pressure containing components

No Special Tools

GAH-RSO valves disassembly can be executed without any Special Tool, only Standard Wrenches are requested

100% ITALIAN MANUFACTURING

QUAM Valves are Engineered and Manufactured entirely in Italy

CERTIFICATIONS

API-6A (up to PSL-4)

API-6D (up to QSL-4)

API-6FA (Fire Safe)

PED 2014-68-EU

ATEX 2014-34-EU

MACHINERY DIRECTIVE 2006/42/EC