Hydril D-Shock™ Valve
Hydraulic Components

Increased BOP system performance through water hammer suppression

Product description

The D-Shock™ Valve is HMH's game-changing solution for reducing water hammer effects in both subsea and surface applications. Experience unparalleled performance and reliability with our innovative valve technology. Benefit from enhanced system longevity and reduced maintenance costs with the D-Shock™ Valve's innovative water hammer reduction capabilities. Trust in the cutting-edge design backed by years of research and development to deliver optimal performance in the most demanding environments.

The D-Shock™ Valve minimizes the shock experienced by downstream components by implementing a simple yet effective mechanism. The design incorporates minimal moving components and pressure drop.

Key features

- Passive water hammer protection with up to 85% reduction in pressure spikes
- Extend the life of downstream components due to reduce exposure to shock
- Simple flanged assembly for easy tear down and assembly
- 5 year service life
- Hydraulic system agnostic
- Surface and subsea applications
- API 16D 3rd Edition tested
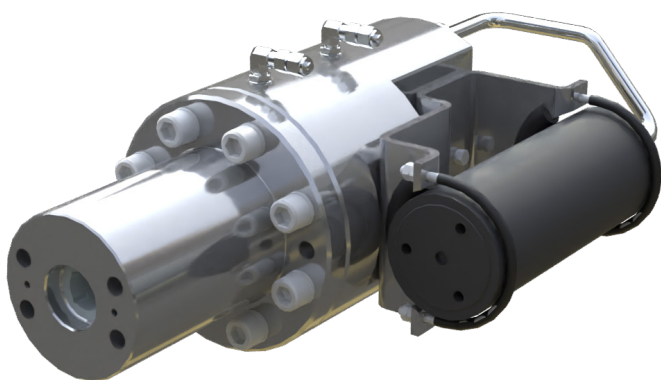
Reliability

Utilizing years of data in one of the most demanding applications, the valve was rigorously tested to reach a 5 year service life to align with typical BOP Certification events. At the time of service, an inspection of components and replacement of seals, spring, and orifice is recommended.

Performance

Based on the lab testing conducted, the D-Shock™ valve can reduce the pressure spikes by up to 85% and decrease settling time by 73%. The reduction in pressure spikes is dependent on flowrate and supply pressure.
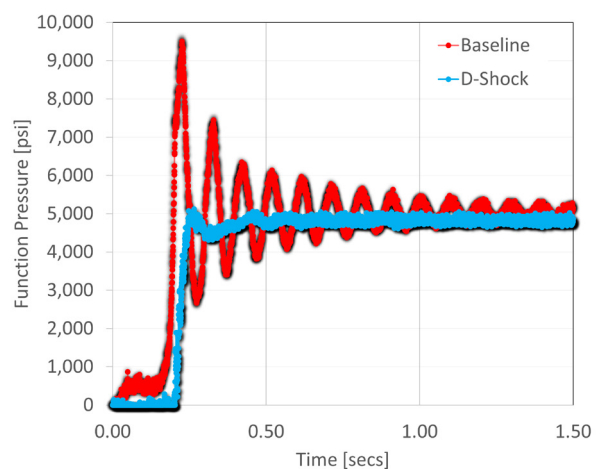
Technical specifications

Specification	Measurement
Working pressure	5,000 psi
Inlet Connection	1-1/2" Code 62
Outlet Connection	1-1/2" Code 62
Depth Rating	12,500 feet
Weight	118 pounds
Face to Face Length	16.04 inches
Oil	DC-200 Silicone Oil

For more information, contact marketing@hmhw.com | hmhw.com