

Safety Redundancy



Devices offered with dual channel safety and dual channel exhaust (pneumatic) tank outlet (hydraulic).

Retro-fittable



Easily integrate this technology into your system as a retro-fit solution: installation is quick and easy with four pre-threaded holes on the base of the unit.

Robust & Durable



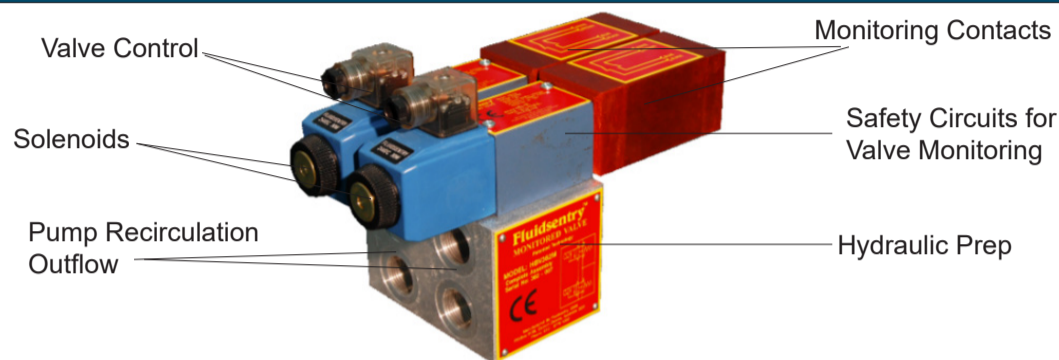
Fortress Fluidsentry products are built for longevity: to guarantee a long operational lifetime.

Fully Serviceable



Fortress Fluidsentry products can be easily serviced by our team to maintain smooth operation.

Fluidsentry Hydraulic Valve Components



Key Features & Benefits

- Meets B11.26-2018 safety standards.
- Suitable for categories 3 & 4, SIL 3 and PLe applications as per ISO 13849.
- Safe control between hazardous energy & the potentially dangerous parts of the machine.
- Communicates with safety control system.
- Dual channel redundancy provided by two valve options.
- No possibility of manual override.
- Isolates multiple zones tied to a single pump.
- Prevents high restart cost for compressor.
- Simple retrofit on existing systems.

Product Overview

Model	Image	Product Description	Maximum Flow Rate	Category		
				2	3	4
HSV-2B0XG-AD0-MP0		Hydraulic Safety Monitoring Valve working pressure range: 0 - 350 Bar Solenoid: Direct Acting Port connection: P, T, T1, A, B Medium: 3/4" PBS Parallel Hydraulic Oil ISO 32 to 68 Oil operating temperature range: -20 C TO +70 C (Mineral Oil) Flow rate: 40 LPM Activation time: 32 Milliseconds Deactivation time: 50 Milliseconds	40 LPM	●	●	●
HSV-2D0XG-AD0-MP0		Hydraulic Safety Monitoring Valve working pressure range: 0 - 315 Bar Solenoid: Direct Acting Port connection: P, T, T1, A, B Medium: 3/4" PBS Parallel Hydraulic Oil ISO 32 to 68 Oil operating temperature range: -20 C TO +70 C (Mineral Oil) Flow rate: 110 LPM Activation time: 50 Milliseconds Deactivation time: 130 Milliseconds	110 LPM	●	●	●
HSV-2G0XG-AD0-MP0		Hydraulic Safety Monitoring Valve working pressure range: 0 - 350 Bar Solenoid: Direct Acting Port connection: P, T, T1, A, B Medium: Hydraulic Oil ISO 32 to 68 Oil operating temperature range: -20 C TO +70 C (Mineral Oil) Flow rate: 250 LPM Activation time: 32 Milliseconds Deactivation time: 67 Milliseconds	250 LPM	●	●	●
HSV-2M0XG-AD0-MP0		Hydraulic Safety Monitoring Valve working pressure range: 0 - 350 Bar Solenoid: Direct Acting Port connection: P, T, T1, A, B Medium: Hydraulic Oil ISO 32 to 68 Oil operating temperature range: -20 C TO +70 C (Mineral Oil) Flow rate: 550 LPM Activation time: 32 Milliseconds Deactivation time: 67 Milliseconds	550 LPM	●	●	●

Value Proposition

Helps to achieve the highest safety level (CAT. 4 PLe) for access control on equipment with fluid power.

Allows safe access to each zone by isolating fluid power from an individual zone without affecting downstream production.

Maintains safety distances in presence sensing applications.

Operates & controls power despite contamination

Qualifying Questions

- Does your machine consist of a hydraulic system? Does it follow the latest safety requirements?
- How do you isolate and control the pneumatic energy sources in your machine?
- How frequently do you need to shut down pumps to allow operate access? What are its side effects on your machine?
- How much time does your shut down/energy isolation procedure take? How much does this downtime cost?

Why choose Fortress?

Summary of Monitored Safety Valve Key Features	Fortress Fluidsentry	Other Brands
Do the main valves have their own exhaust to prevent failure due to clogging or contamination?	✓	
Are the electrical safety contacts positively opened by the valve spool?	✓	
Product supplied as standard with silencers?	✓	
Electrical connector cables available with the product?	✓	
Ethernet based communication protocols supported?	✓	
Local LED indication of when valve is energized?	✓	
Built in solenoid surge suppression?	✓	
Manufacturer recommends accumulator tank between pressure regulator and dual valve?		✓

Within our Fortress Fluidsentry range, we also offer Pneumatic and Zero Pressure Monitor products. For more information please contact your local Fortress representative or visit our website at www.fortressinterlocks.com.