

The MSHS H-Block trip manifold is designed to provide a pre-packaged 4 valve trip arrangement, thus simplifying installation for the end-user. Simplifying the packaging of [4] trip valves in [1] housing keeps already complex systems in turbine trip headers from becoming confusing, and helps to avoid nuisance trips.

Benefits of 4 Valve Arrangement on the MSHS H-Block trip manifold

Availability & Reliability

Having series-parallel valves ensures that no one failure will cause an Unwanted Trip or prevent a Required Trip.

Online Cycle Test

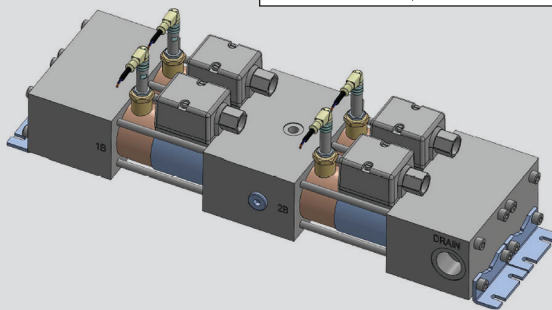
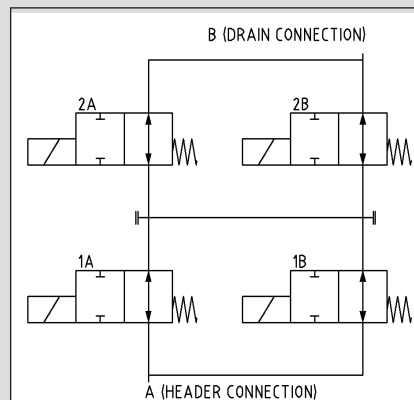
When paired with the Woodward ProTech TPS 2-00-3 voted Overspeed protection and logic solver, the operator can prove the function of the trip valve without using “critical valve” isolation valves, which can leave the prime mover vulnerable during testing activities.

API Compliance

Satisfies API minimum requirements for parallel trip valves and online testing.

Contact **MSHS** for complete information on all our products. Our experienced team of technicians and engineers can provide product and application information 24/7.

4810-0071: 4way trip valve assembly, 15mm orifice, 24vdc, ATEX



Part Number	4810-0071
Ports / position	(4x) 2/2-way valves – independently operated via direct acting solenoids. 15 mm orifice
Function	Normally Open – Fail open when de-energized – max reverse pressure differential 10 bar (150 psi)
MAX allowable pressure	16 Bar (240 PSI)
Material of construction	Aluminum construction (wetted portions), coil housing nickel plated steel.
Port connections	1" NPT(f) both ports A & B. (1x) gauge ports 1/4" NPT(f)
Actuation	Via solenoid – opening and closing speeds 20ms
Voltage	24V DC, 100% ED. Current consumption 1.6 amp per valve.
Enclosure	IP 65
Position indicators	1x Magnetic proximity switch for each valve to indicate when valve is in the open position.
Cv	5.7 (per valve)
Flow	21.13 GPM @ 14.5 PSI dp (based on water) (per valve)
Media	ISO 68 Turbine oil @ 158°F (70°C)
Temperature	-10°C (14°F) to 70°C (158°F)
Mounting envelope	23.25" x 6.63" x 3.5"
Classification	<p>Group and equipment category: II 3 GD</p> <p>Device marking: Ex nA IIC T3 Ta -20 ... + 80°C Gc</p> <p>Ex tc IIIC T195°C Ta -20 ... + 80°C Dc IP65</p> <p>DIN EN 60079-0:2014 in compliance with IEC 60079-0:2011</p> <p>DIN EN 60079-15:2011 in compliance with IEC 60079-15:2010</p> <p>DIN EN 60079-31:2014 in compliance with IEC 60079-31:2013</p> <p>Electromagnetic Compatibility Directive 2014/30/EU</p> <p>Applied standards: EN 61000-6-2:2005, EN 61000-6-4:2007 + A1:2011</p> <p>Low Voltage Directive 2014/35/EU</p> <p>Applied standards: EN 60947-5-1:2004 + Cor.:2005 + A1:2009</p>

