



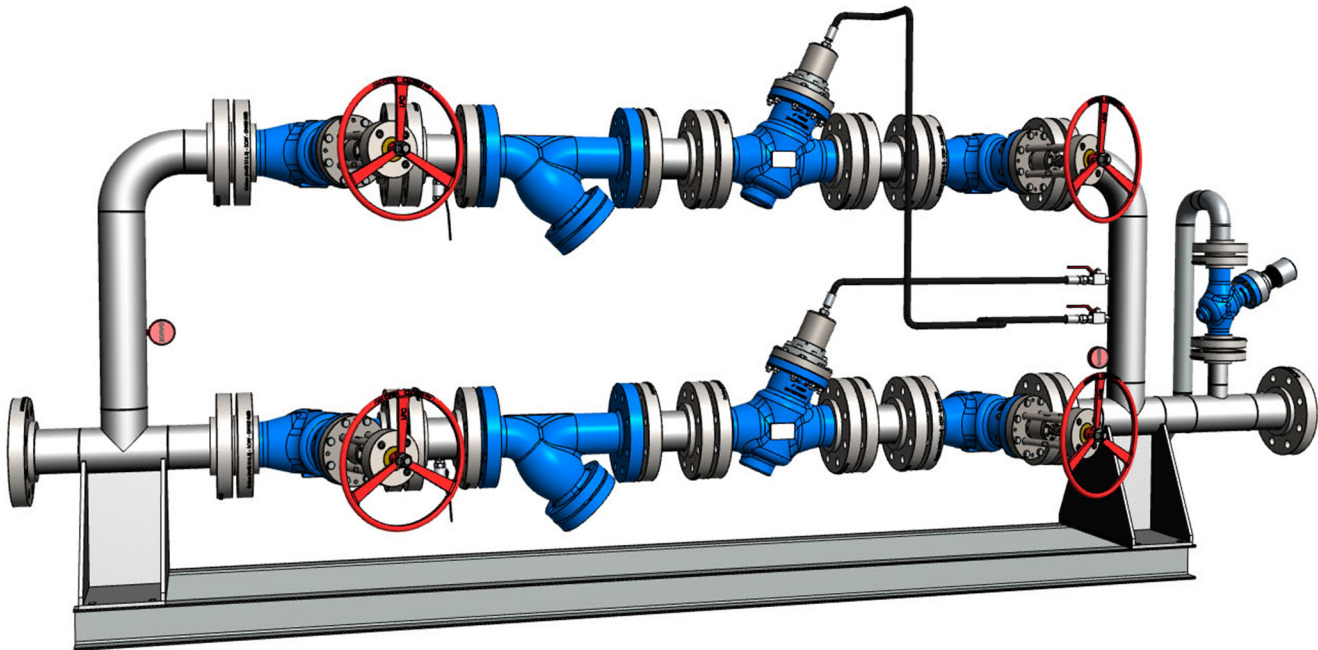
HYDROMINE™ LFC_1B Dual Pressure Regulating Valve Station

Overview:

A pressure regulating valve station is designed to maintain a desired downstream pressure irrespective of the flow requirement and deploying a dual leg system allows for maintenance without the risk of production impacting downtime.

The HYDROMINE™ LFC_1B Dual medium to high pressure, pressure regulating valve station has been developed to present a robust and simple solution to fluid handling issues in the mining sector.

Single Stage Dual Stream Pressure Regulating Station:



Design Outputs:

The HYDROMINE™ LFC_1B dual pressure regulating valve station is normally custom designed piece of equipment that is designed to the client requirements and/or specification. It is designed to enable the end user to do maintenance on one stream while the other stream remains in service.

The design normally includes isolation valves installed on the upstream and downstream side of the station on each stream (Four valves), two strainers, two pressure regulating valves, two drain ball valves, two pressure gauges with ball valves, two hose isolation ball valve and one surge relief valve . Occasionally it will have two or four additional pressure regulating valves, depending on the upstream pressure and the reduction ratio required.

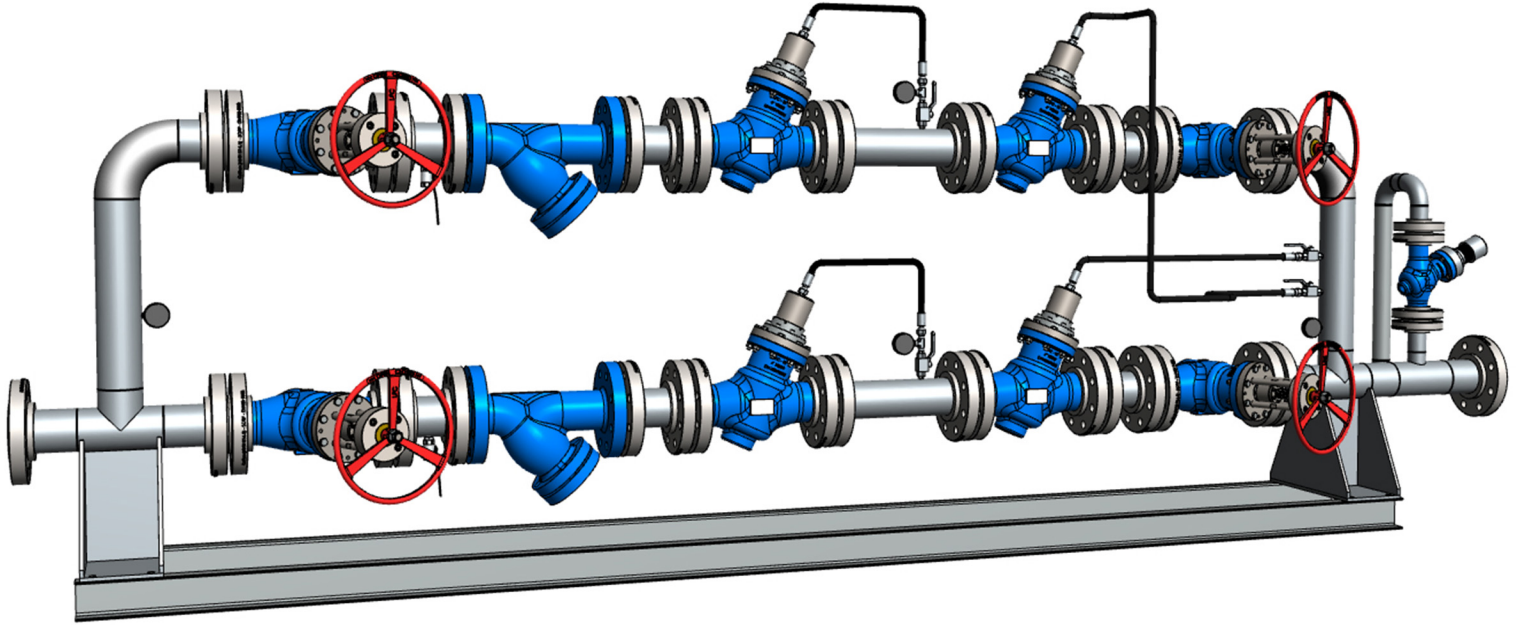
Materials Of Construction:

Part	Specification	Material
Pu Isolation valves	HYDROMINE™ LFC_1B	431 S/ Steel, or Carbon steel
Strainers	HYDROMINE™ HMP_14A, 14B or 14C	WCB or other
Pressure regulating valves	HYDROMINE™ LFC_1B	431 S/ Steel, Carbon steel or WCB
Drain valves	HYDROMINE™ HMP_13A (Ball valve)	304 S/ Steel or Carbon steel with zinc coating
Pu Pressure gauge	63, 100 or 150mm dial	304 S/ Steel
Pd Pressure gauge	63, 100 or 150mm dial	304 S/ Steel
Pressure gauge isolation valves	HYDROMINE™ HMP_13A (Ball valve)	304 S/ Steel or Carbon steel with zinc coating
Hoses	Double braided	
Hose isolation valves	HYDROMINE™ HMP_13A (Ball valve)	304 S/ Steel or Carbon steel with zinc coating
Pd Isolation valves	HYDROMINE™ LFC_1B or gate	431 S/ Steel, Carbon steel or WCB
Surge relief valve	HYDROMINE™ LFC_1B	431 S/ Steel or Carbon steel
Piping system	Seamless pipe	Carbon steel
Supports and skid	Plate & Channel	Carbon steel



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Double Stage Dual Stream Pressure Regulating Station:



Design & Manufacturing Standards:

Available Sizes: DN50 / 2" to DN400 / 16"
Pressure Rating: Up to 25MPa / 3 626 psi

Available end connections: ANSI B16.5, BS4504, BS10, AS/NZS 4331.1 (ISO 7005-1) DIN, All makes of grooved or ring joint couplings, HYDROMINE™ HMP U-Coupling, HYDROMINE™ HMP_TE tapered couplings and other as per clients requirement.

Note! Materials can be changed to client specification, but this will result in longer lead times.

