



## HYDROMINE™ LFC\_3B Dual Pressure Regulating Valve Station

### Overview:

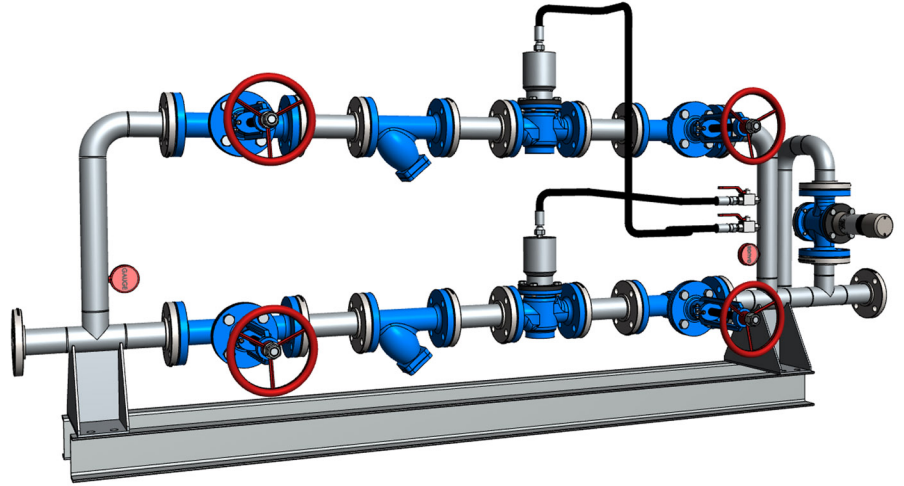
A pressure regulating valve station is designed to maintain a desired downstream pressure irrespective of the flow requirement and deploying a dual leg system allows for maintenance without the risk of production impacting downtime.

The HYDROMINE™ LFC\_3B Dual low pressure (up to 2.5 MPa / 363 psi), pressure regulating valve station has been developed to present a robust and simple solution to fluid handling issues in any industrial sector.

### Design Outputs:

The HYDROMINE™ LFC\_3B 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.



### Materials Of Construction:

Part	Specification	Material
Pu Isolation valves	HYDROMINE™ LFC_3B, gate, ball or butterfly valve	Ductile Iron or WCB
Strainers	HYDROMINE™ HMP_14A	Ductile Iron or WCB
Pressure regulating valves	HYDROMINE™ LFC_3B	Ductile Iron
Drain valves	HYDROMINE™ HMP_13A (Ball valve)	304 S/ Steel
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
Hoses	Single braided	
Hose isolation valves	HYDROMINE™ HMP_13A (Ball valve)	304 S/ Steel
Pd Isolation valves	HYDROMINE™ LFC_3B, gate, ball or butterfly valve	Ductile Iron or WCB
Surge relief valve	HYDROMINE™ LFC_3B	Ductile Iron
Piping system	Seamless pipe	Carbon steel
Supports and skid	Plate & Channel	Carbon steel

### Design & Manufacturing Standards:

Available Sizes: BN50 / 2" to DN400 / 16"  
Pressure Rating: Up to 2.5 MPa / 363 psi

Available end connections: ANSI B16.5, BS4504, BS 10, AS/NZS 4331.1 (ISO 7005-1) DIN, All makes of grooved or ring joint couplings and other as per clients requirement.

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

