

FOAM CONCENTRATE BYPASS VALVE



TECHNICAL DATA

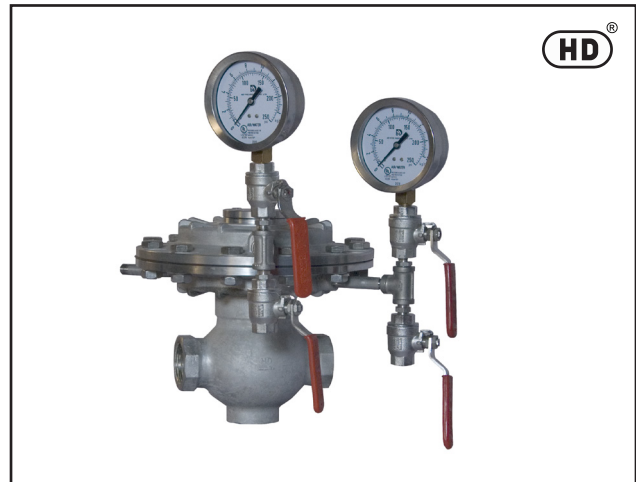
MODEL	BV with Bronze material IS-318 / ASTM B62 BV-S with stainless steel material SS 316 (ASTM A 351-CF8M)
SIZE	40 & 50NB (1.5 & 2 INCH)
MAXIMUM SERVICE PRESSURE	14 Bar (200 PSI)
END CONNECTION	Screwed Female BSPT (NPT Optional)
FRICITION LOSS IN TERMS OF EQUIVALENT LENGTH OF PIPE (C-120)	50NB - 14.1 Meters 40NB - 10.5 Meters
FACTORY HYDROSTATIC TEST PRESSURE	25 Bar (365 PSI)
FINISH	Red epoxy painted
ORDERING INFORMATION	Specify 1) Size 2) End connection

APPLICATION

The foam concentrate bypass valve is used in the balance pressure foam proportioning pump skid system. The valve bypasses the controlled excess quantity of foam concentrate to concentrate storage tank.

SPECIFICATION

The valve is diaphragm operated and works on the simple differential pressure principle. The pressure sensing lines, one from ratio controller inlet for water pressure and another from the concentrate supply pressure above the metering orifice are connected to bypass valve. The bypass valve automatically adjusts the concentrate pressure corresponding to the water pressure. The bypass is provided with flush out valves. The pressure sensing hose is Teflon with stainless steel braided cover and it is permanently attached with swivel coupling. The two separate pressure gauges, one for the water and one for the foam concentrate are provided with valve trims. A duplex gauge is supplied as an optional item in lieu of two pressure gauges. Each valve is factory tested for its performance.



INSPECTION AND MAINTENANCE

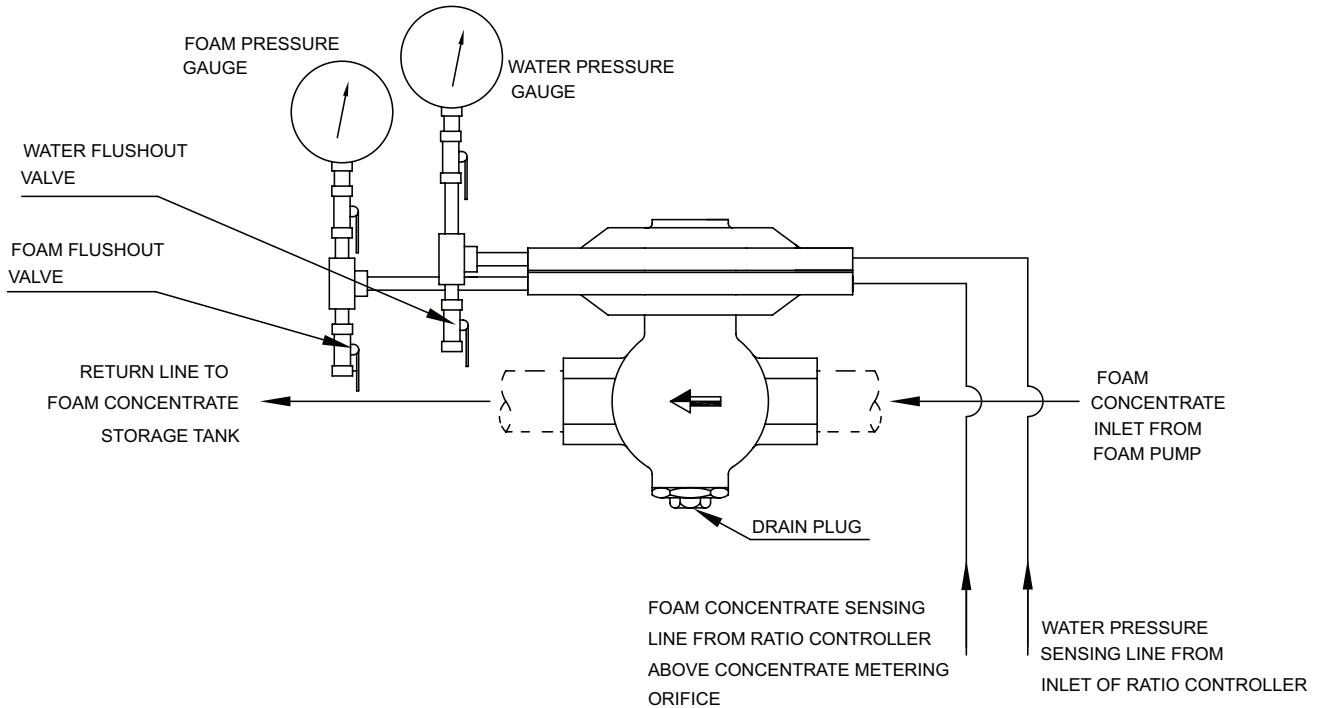
A qualified and trained person must commission the system. After few initial successful tests an authorized person must be trained to perform inspection and testing of the system. Do not turn off the system or any valve to make repairs or test the system, without placing a roving Fire Patrol in the area protected by the system. The patrol should continue until the system is back in service. Also inform the local security guards and control alarm station, so as to avoid false alarm.

It is recommended to carry out physical inspection of the system at least once a week. The inspection should verify that all the control valves are in proper position as per the system requirement and no damage has taken place to any component. The valve must be operated periodically and proper functioning must be verified. The test must be as per the procedure of system testing.

The system must be flushed after each operation and free flow of water must be drained from the flush-out connection.

The user is responsible for maintaining the valve in proper operating condition.

FOAM CONCENTRATE BY-PASS VALVE



LIMITED WARRANTY

HD FIRE PROTECT PVT. LTD. hereby referred to as HD FIRE warrants to the original purchaser of the fire protection products manufactured by HD FIRE and to any other person to whom such equipment is transferred, that such products will be free from defect in material and workmanship under normal use and care, for two (2) years from the date of shipment by HD FIRE. Products or Components supplied or used by HD FIRE, but manufactured by others, are warranted only to the extent of the manufacturer's warranty. No warranty is given for product or components which have been subject to misuse, improper installation, corrosion, unauthorized repair, alteration or un-maintained. HD FIRE shall not be responsible for system design errors or improper installation or inaccurate or incomplete information supplied by buyer or buyer's representatives. HD FIRE will repair or replace defective material free of charge, which is returned to our factory, transportation charge prepaid, provided after our inspection the material is found to have been defective at the time of initial shipment from our works. HD FIRE shall not be liable for any incidental or consequential loss, damage or expense arising directly or indirectly from the use of the product including damages for injury to person, damages to property and penalties resulting from any products and components manufactured by HD FIRE. HD FIRE shall not be liable for any damages or labour charges or expense in making repair or adjustment to the product. HD FIRE shall not be liable for any damages or charges sustained in the adaptation or use of its engineering data & services. In no event shall HD Fire's product liability exceed an amount equal to the sale price. The foregoing warranty is exclusive and in lieu of all other warranties and representation whether expressed, implied, oral or written, including but not limited to, any implied warranties or merchantability or fitness for a particular purpose. All such other warranties and representations are hereby cancelled.

NOTICE :

The equipment presented in this bulletin is to be installed in accordance with the latest publication standards of NFPA or other similar organisations and also with the provision of government codes or ordinances wherever applicable.

The information provided by us is to the best of our knowledge and belief, and consist of general guidelines only. Site handling and installation control is not in our scope. Hence we give no guarantee for result and take no liability for damages, loss or penalties whatsoever, resulting from our suggestion, information, recommendation or damages due to our product.

Product development is a continuous programme of HD FIRE PROTECT PVT. LTD. and hence the right to modify any specification without prior notice is reserved with the company.



HD FIRE PROTECT PVT. LTD.
Protecting What Matters Most to You

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