FOAM CONCENTRATE CONTROL VALVE

HD FIRE PROTECT LIMITED

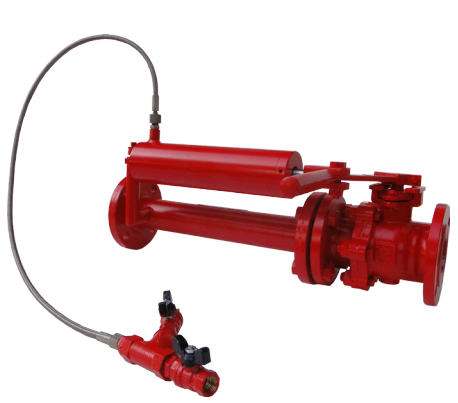
TECHNICAL DATA

MODEL	CV & H
SIZE	25, 40 & 50 NB
FACTORY HYDROTESTED	25 Kg./sq.cm.
OPERATING PRESSURE	MIN 2.1 Kg/SqCm (30 PSI) MAX 12.3 Kg/SqCm (175 PSI)
MATERIAL	Stainless Steel 304 standard supply. Optional 304L, 316 or 316L
INLET & OUTLET CONNECTION	Flanged end to ANSI B16.5#150RF
APPROVALS	Model CV is FM Approved with Foam Bladder Tank System of HD FIRE PROTECT
VISUAL	Provided with Model CV only, Red for closed & Yellow for open
REMOTE INDICATION	Provided with Model CV only Through limit switch box, Ex.Proof, Class-1, Group-C&D, IIA, IIB, & C
PRESSURE SENSING HOSE	Teflon tube with Stainless Steel braided cover
TRIM CONNECTION	Brass / Stainless Steel
FINISH	RED RAL 3001
ORDERING INFORMATION	Specify Model number & Size



Model-CV

NOTE: FM APPROVED as part of Foam Bladder Tank System



Model-H

APPLICATION

Foam concentrate control valve is designed for use in bladder tank foam system or inline balance pressure proportioning system. The valve opens automatically when water supply is established through the inlet pipe of ratio controller of bladder tank or in the inline balance pressure proportioning system. The valve opens at minimum of 2.1 Kg./sq.cm. (30 psi) water pressure. No electric power is required to operate the valve.

SPECIFICATION

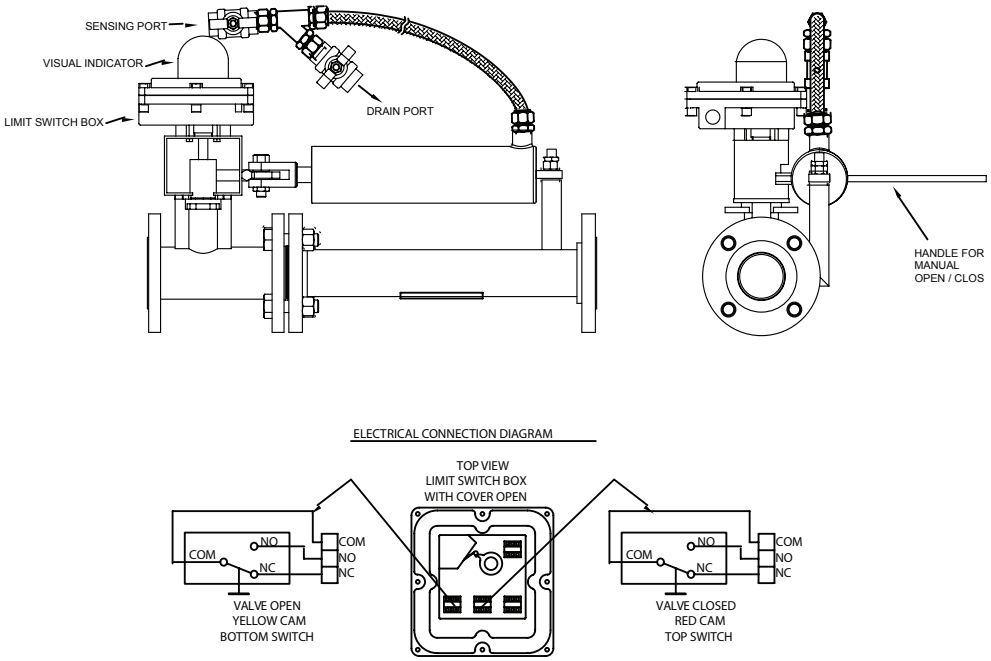
The foam concentrate control valve utilizes water as the medium to open the valve. A manual override facility is provided to open the valve. In normal condition the valve remains in closed position. When, a minimum water pressure of 2.1 Kg./sq.cm. (30 psi) is established the valve opens and closing of the valve is manual.

Visual indication as well as electric contact is provided for remote indication for open and closed position only in Model CV.

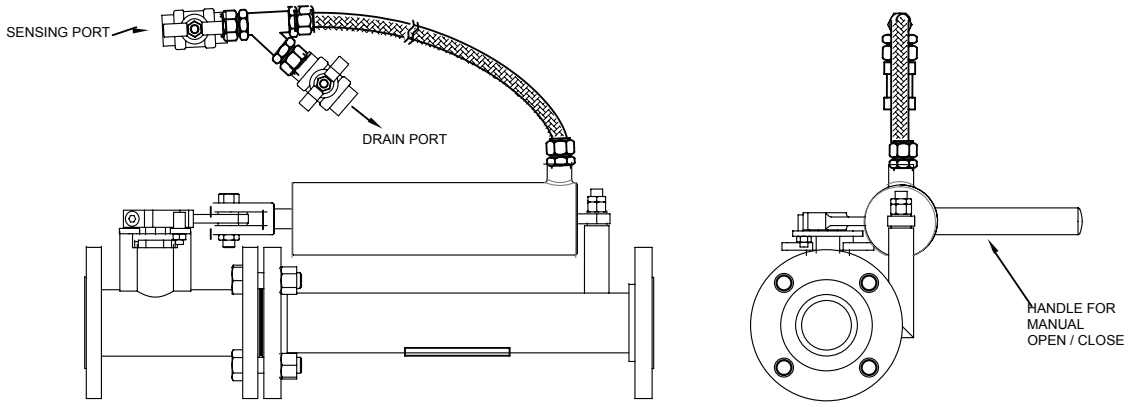
SELECTION OF FOAM CONCENTRATE CONTROL VALVE

HD Proportioner	Foam Concentrate Control Valve Size
65 NB	25 NB
80 NB	40 NB
100 NB	40 NB
150 NB	50 NB

MODEL - CV



MODEL - H

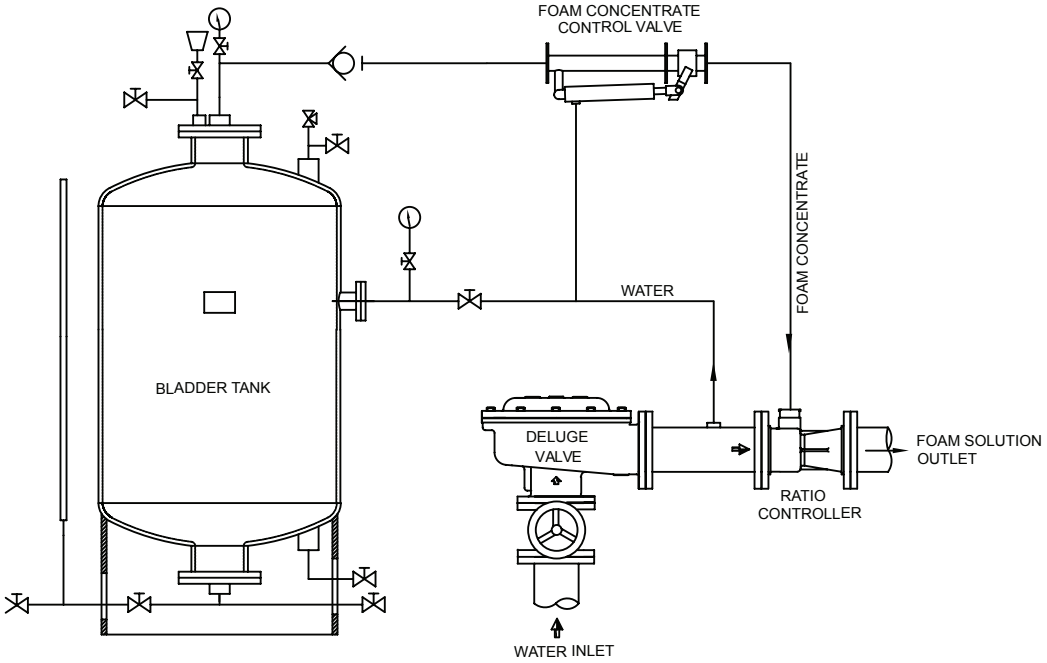


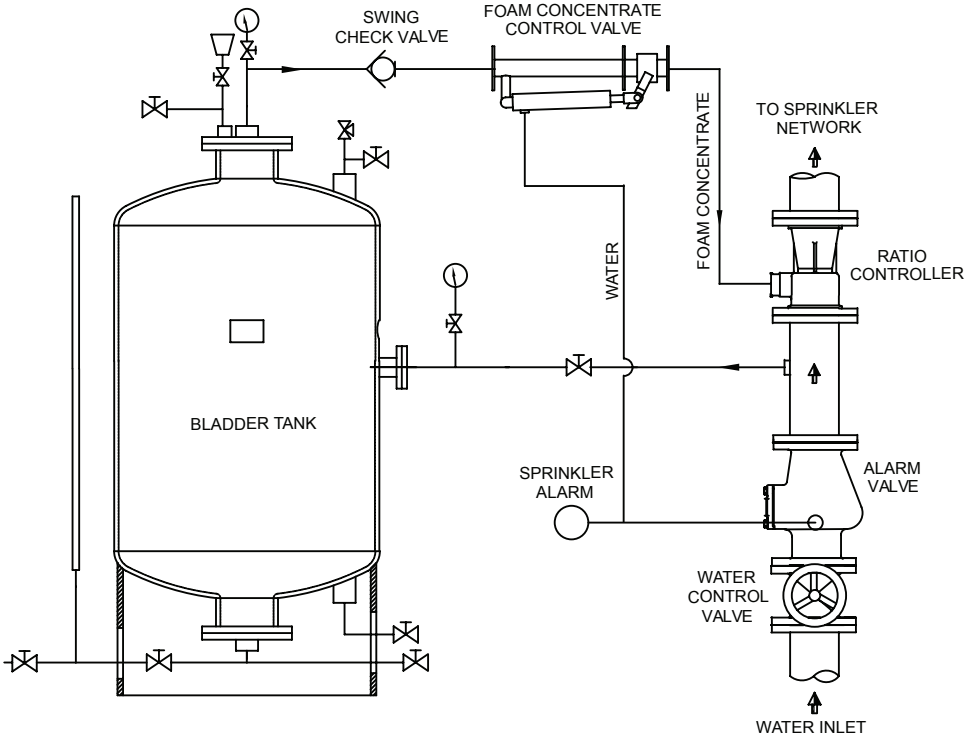
To close the valve:

1. Close Sensing port valve.
2. Open the drain port valve and all the water to drain.
3. Manual Operation handle and to be pulled till valve is fully closed.
4. Close the drain port valve.
5. Open the Sensing port valve.

NOTE: Valve can be opened manually by pulling the manual handle till the valve is fully open, after opening of drain valve & closing of Sensing port valve.

TYPICAL INSTALLATION OF FOAM CONCENTRATE CONTROL VALVE





INSPECTION AND MAINTENANCE

A qualified and trained person must commission the system. After few initial successful tests, an authorised person must be trained to perform the inspection and testing of the system, at least once in a week. The inspection should verify that all the control valves are in their proper position as per the system requirement and no damage has taken place to any component. The foam concentrate control valve/ system must be operated at least once in six weeks. The total system should be fully tested at least once in a year as per NFPA / TAC manual or in accordance to the guidelines of the organisation having local jurisdiction.

It is advised to have following minimum tests and inspection:

1) Manually operate the valve two to three times at least once in two months.

2) Fully operate with water pressure at least once in a year.

LIMITED WARRANTY

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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.

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

HD FIRE PROTECT LIMITED
Protecting What Matters Most to You

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