



WRP 6" Wide range proportioner

The WRP 6" BT is suitable for fixed foam systems where a variable flow rate can occur, such as in sprinkler systems or multiple deluge systems. The WRP allows very accurate proportioning which is constant over the whole flow range.

Recommended Foam

All types of foam concentrates with induction rates of 1%, 3% or 6% can be used. For ARC (alcohol resistant) foam concentrate a special calibration is made in order to get optimal performance.

Technical specifications

Size:	DN 150
Foam inlet female:	DN 50
Flow range:	70 - 7.000 lpm
Proportioning rate (pre-calibrated):	1%, 3% or 6%
Inlet pressure (max):	16 bar
Inlet pressure (min):	5 bar
Pipe length upstream:	5 x Ø
Pipe length downstream:	5 x Ø
Flange type:	DN 150 / PN16
Between flange proportions:	69 mm
Height:	280 mm
Weight:	15 kg
Material:	Bronze, compatible with all foam concentrates

Operation

The WRP is installed inside the pipe work between two DN flanges with a minimum pipe length of 5 times the diameter before and after the WRP.

The foam inlet is connected to the bladder tank. The operating temperature should be above 0°C. Make sure that the pressure loss over the foam concentrate line from the bladder tank does not exceed 0,3 bar.

Key Data

The WRP BT, wide range proportioner for bladder tanks, offers an exact pre-settled proportioning ratio of 1%, 3% or 6% over a wide water flow range between 70 lpm and 7,000 lpm. The maximum pressure loss is not more than 2.3 bars at 7,000 lpm flow. The foam inlet is equipped with a non return valve to prevent water from going back into the bladder tank.

