

Vent-O-Mat RBXb2511

Combination "Surge Arrestor" and Air Release Valve

PIPE SYSTEM PROTECTOR!

- Dampens effect of Water-Hammer at pump startup
- Provides vacuum protection when the pump stops and the riser drains



- **Automatic Surge Protection**

The unique Vent-O-Mat Series RBXb2511 incorporates as standard, three design features to automatically protect building risers under all operating conditions, from the destructive surge and water hammer phenomena. These features are independent of any mechanical devices ensuring reaction in a very low milli second time span.

- **Vacuum Protection**

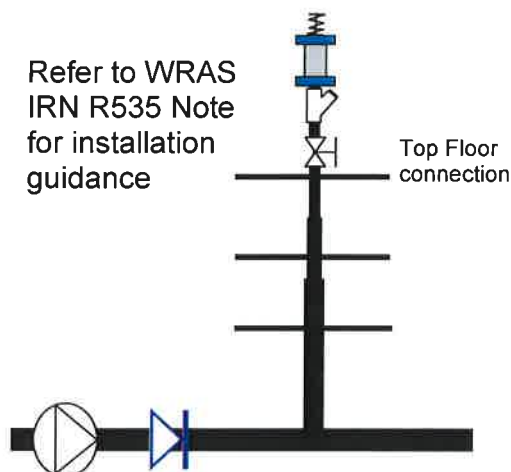
The Vent-O-Mat Series RBXb2511 large orifice admits air in the riser to prevent vacuum occurring when the booster set is down (powered off).

- **Effective Air Release**

During filling, air is forced through an "Anti-Shock" orifice resulting in the deceleration of the approaching water column due to the resistance of rising air pressure in the valve. This dampens potential pressure transients when the air valve closes. The RBXb2511 design ensures effective de-aeration under all pipeline flow and operating conditions, via either one of three discharge orifices.

- **Guaranteed Performance**

The RBXb2511 has been designed and developed to provide the optimum usable and safe performance relative to all functions. Selection data has been substantiated through third party testing and can therefore be confidently referenced.



TYPICAL ARRANGEMENT

The Vent-O-Mat RBXb2511 valve must be installed at the top of *each* riser to ensure adequate Water-Hammer protection. A Suitable isolating valve also should be installed

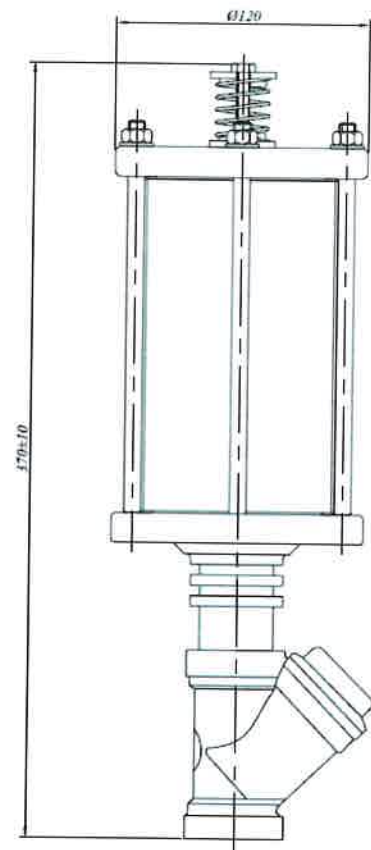
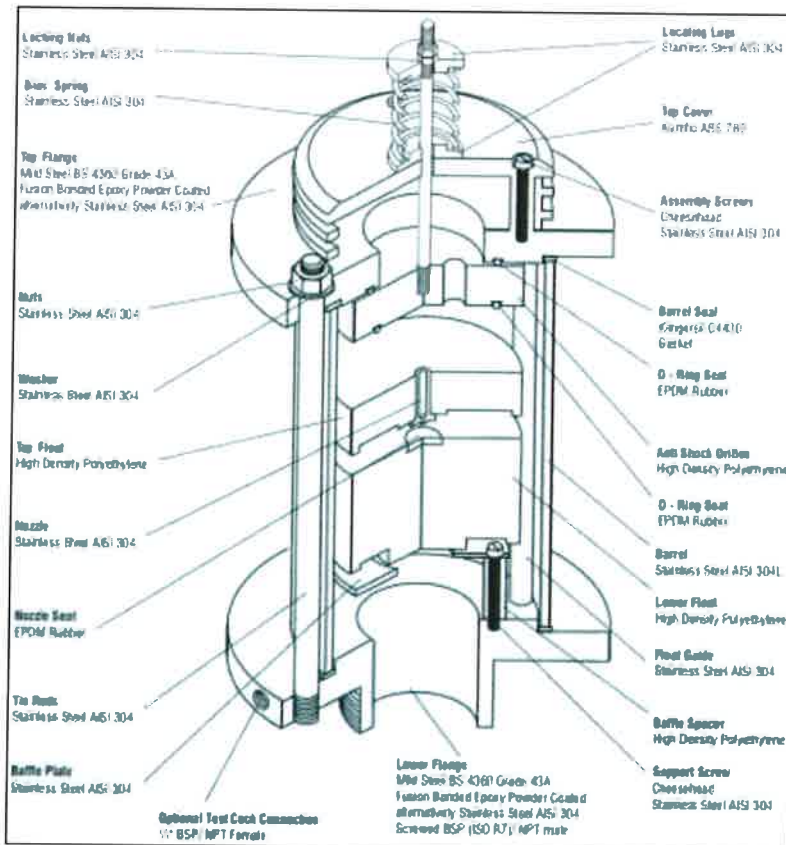
NOTE

The Surge Arrestor is prone to leaking if exposed to pipe flux/debris etc. The pipeline must be adequately flushed prior to installation. A strainer fitted with a minimum 250 micron screen should be fitted protect the valve during service.

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MATERIALS OF CONSTRUCTION

DIMENSIONS



TECHNICAL DATA

Minimum operating pressure							0.5 Bar g	
Maximum operating pressure							25 Bar g	
End connections (With fitted strainer)							1" BSP Female	
Size		Model No.	Pressure Rating	A mm	B mm	C mm	Weight Kg.	Maximum (Riser) Pipe Dia. mm
mm	In.							
25	1"	025RBXb2511	PN25	120	380 (max)	1" BSP	5	200

WRAS APPROVAL NO: 1203084

IRN R535 - The length of connecting pipework to this fitting should be kept to a minimum in order to prevent stagnation.