

<b>A</b>	<b>GENERAL INFORMATION</b>	
1.0	Size	40NB, 50NB, 65NB, 80NB, 100NB & 150NB
2.0	Type	Post Expansion Blow off and shut off.
3.0	Application	Water Cooling System at Fixed Roof Tanks as per IS:15325
4.0	Codes / Standards	Manufacturers Standard.
5.0	Make	AGNI RAKSHAK PVT. LTD. (ARPL), THANE
6.0	Certification / Testing	FCRI Certification For Testing and calibration of pressure Drop across the Flow control Valve of ERVA.

<b>B</b>	<b>MATERIAL OF CONSTRUCTION</b>	
<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>MOC</b>
1.0	Flow control Valve (FCV)	
1.1	Flow control Valve Body	CS ASTM A 216 GR WCB
1.2	Flappers (Discs)	AISI SS 410 / AISI SS 316
1.3	Seat Ring	AISI SS 410+13% Cr at Facing
2.0	Releasing Mechanism	
2.1	Valve Seat Holding Plunger	SS-304
2.2	Plunger Enclosing Cylinder & Cylinder cap	SS-304
2.3	Plunger Holding Pin & Spring	SS-304
3.0	Expansion Joint	
3.1	Outer pipe	ASTM/ ASME A / SA 312, TP304 Seamless
3.2	Inner pipe	CS G.I. ASTM A 106 Sch 80
3.3	Flange at downstream of FCV	CS as per ANSI B16.5, Screwed on type.
3.4	O-Rings	Viton
3.5	Pin Lifting Strip	GI Strip (4mm MS CRCA)

<b>C</b>	<b>INSTALLATION &amp; END CONNECTION</b>	
1.0	Installation Location and Positioning	On Fire Water Riser at Curb Angle level of Tank, in Vertical Position.
2.0	End Connections	For 50 NB and above: Screwed On RF as per ANSI B 16.5 For 40 NB: Screwed Union as per ANSI B 16.11

<b>D</b>	<b>OPERATING CONDITIONS</b>	
1.0	Fluid Handle	Fresh Water
2.0	Temperature	Ambient
3.0	Working Pressure	5.0 KG/CM2g.
4.0	Design Pressure	7.5 KG/CM2g.
5.0	Test Pressure	9.5 KG/CM2g.
6.0	Friction Loss	As per FCRI Test Report

<b>E</b>	<b>TEST AND INSPECTION</b>	
1.0	Test and Inspection	As Per Approved QA Plan.

Above data is subject to change as per management's decision and project specific requirements