



<b><u>MODEL #</u></b>	<b><u>THREAD CONNECTION (A)</u></b>
VAV - 538	3/8"
VAV - 512	1/2"
VAV - 7	3/4"
VAV - 10	1"

**\* APPLICATION:**

**VAV** AUTOMATIC AIRVENTS ARE DESIGNED FOR MAXIMUM OPERATING PRESSURE OF 10 BAR AND MAXIMUM TEMPERATURE OF 120°C. WHENEVER AIR POCKETS ARE LIKELY TO OCCUR IN OPEN OR CLOSED LIQUID FLOWING SYSTEM, INSTALLATION OF **VAV** AUTOMATIC AIRVENTS IS RECOMMENDED FOR CONTINUOUS VENTING OF AIR.

**\* OPERATION:**

WHEN AIR ACCUMULATES IN THE AIRVENTS, THEN THE FLOAT DESCENDS WITHIN THE BODY AND ALLOWS AIR TO ESCAPE. WHEN THE AIR HAS ESCAPED LIQUID WILL ENTER THE AIRVENT RAISING THE FLOAT WHICH SHUTS OFF AIR RELEASE VALVE. THE DESIGN OF THE AIR RELEASE VALVE, MOUNTED ON TOP OF THE AIRVENT, MAKES LEAKAGE OF THE LIQUID ABSOLUTELY IMPOSSIBLE.

**\* CONSTRUCTION:**

THE BODY IS MADE OF BRASS WITH 3/8", 1/2", 3/4", 1" THREADED CONNECTIONS OF SHUT-OFF VALVE. OTHER PARTS ARE MADE OF PLASTIC AND CORROSION RESISTANT STEEL AS APPROPRIATE TO THEIR FUNCTION.

**\* INSTALLATION AND MAINTENANCE:**

INSTALL IN VERTICAL POSITION ONLY. BEFORE FILLING THE SYSTEM, OPEN THE CAP BY ONE OR TWO TURNS. TO CLEAN THE INTERIOR WITHOUT DRAINING THE INSTALLATION, FOLLOWING STEPS SHOULD BE FOLLOWED:

1. UNSCREW THE BODY FROM THE SHUT-OFF VALVE.
2. UNSCREW THE TOP METALLIC CAP & REMOVE O-RING.
3. REMOVE THE PLASTIC COVER WITH A POINTED OBJECT ALONG WITH MECHANISM AND FLOAT.
4. REMOVE FLOAT & SEAT ASSEMBLY FROM TOP PLASTIC COVER.
5. REMOVE & CLEAN FLOAT VALVE AND SEAT.
6. RE-INSTALL ALL THE ITEMS FOLLOWING REVERSE PROCESS EXPLAINED ABOVE.

Notes / Remarks :

**VIBRATION MANAGEMENT CORPORATION**

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Title : **AUTOMATIC AIRVENTS**

Drawing no.  
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