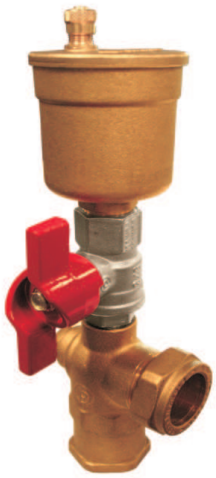
EVOAAVK

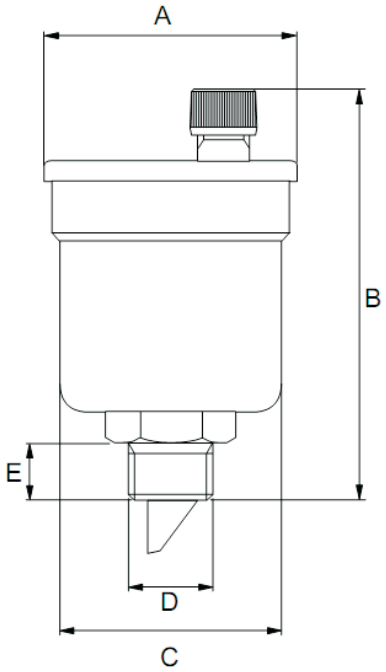


DESCRIPTION

The EVOAAVK is an Automatic Air Vent Kit for solar hot water systems. The valve cap is removable to allow inspection for maintenance in case there is any debris. The EVOAAVK operates efficiently at high pressure and temperatures. It has a Robust brass body construction, polyethylene float, O-ring seals, and a stainless steel 304 vacuum breaker. The EVOAAVK consists of the EVOAAV, the air vent, and the EVOCF, a cross fitting for the collector consisting of connections for the air vent, temperature sensor, return and supply of the solar system.

DIMENSIONS IN INCHES

A	B	C	D	E
1.9”	3.0”	1.7”	0.375”	0.30”



FEATURES

EVOAAV:

-Body and Cover: Brass
-Float: Polymer high resistance
-Plug: Elastomer high resistance
-Spring: AISI302 Stainless Steel
-Cap: Brass, Nickel plated
-Vacuum Breaker: AISI304 Stainless Steel
-Max. Operating Pressure: 175 psi
-Max. Operating Temperature: 320 F

EVOCF

-Collector Connection: 3/4 in Female NPT
-Return Connection: 3/4 in Compression

NOTE: Assembly includes 3/8” shutoff valve. Rated at 150WSP, 600WOG.

OPERATION

The opening and closing of the valve is caused by the vertical movement (ascent and descent), of the float. With the occurrence of air inside the valve, the level of water falls down, the float weight acts as a lever, pulling down the lever and shutter (attached). In this position the orifice is open and air may vent outside of the installation. *Always install vertically.

ARCHITECT/ENGINEER

JOB:_____ ENGINEER:_____

REP:_____ CONTRACTOR:_____

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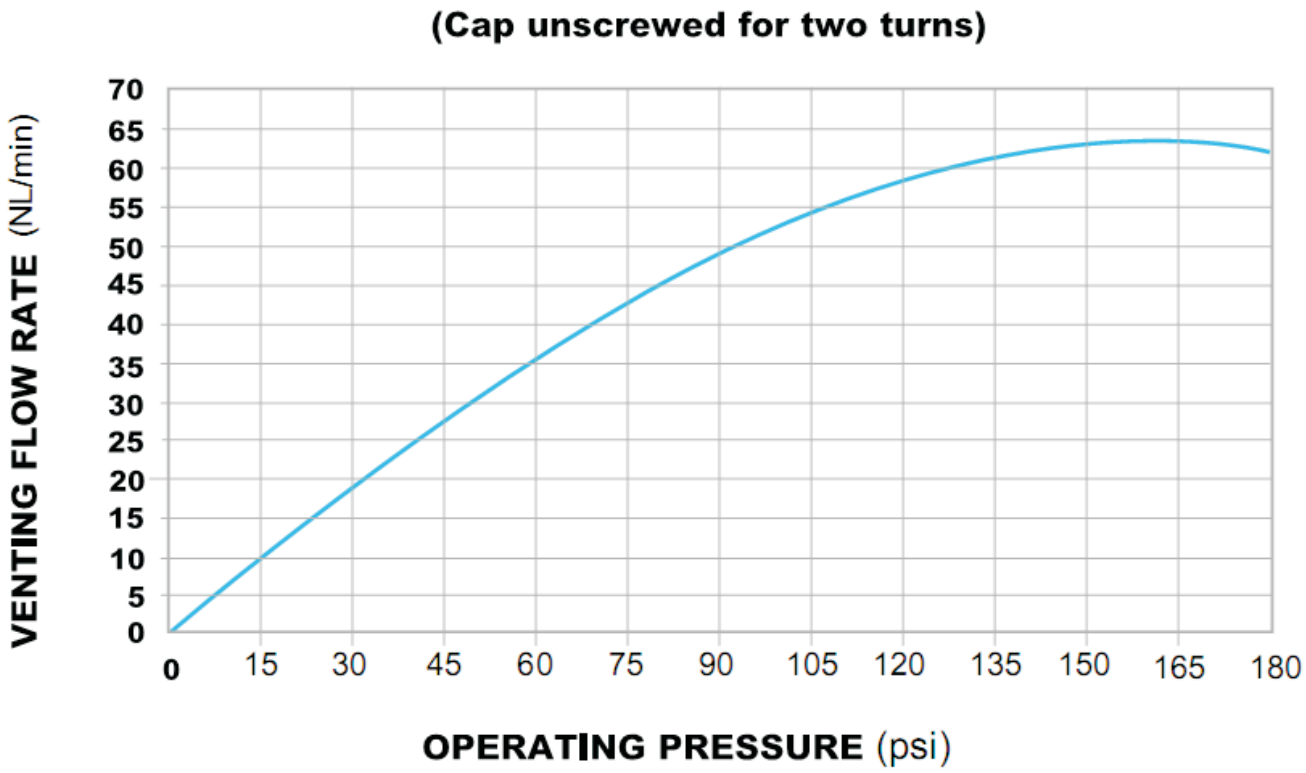

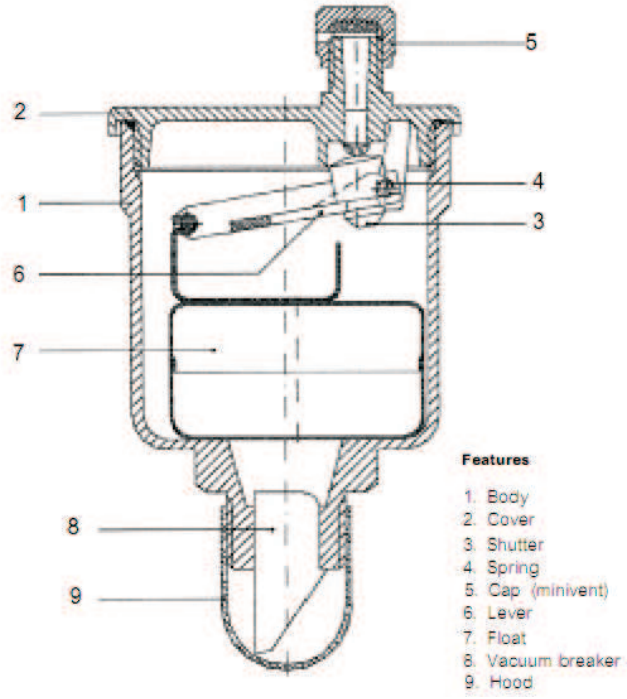

INSTALLATION

During the filling of the system, air in the hydraulic circuit is pushed out through the minivent. When all the air is purged, the water that moves into the valve body pushes the float upward, as a result the lever and shutter move upward closing the orifice, ensuring a hermetic seal.

To ensure maximum venting efficiency, the EVOAAVK must be installed at the summit of the hydraulic circuit where water speed is low. To maximize the venting capacity, unscrew the minivent cap two turns. Reference the results in the graph above.

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