

# Fig. 244 6" Emergency Vents

## Specification Sheet

UL Listed Emergency Vent (pressure relief only) used on aboveground storage tanks, as a code requirement, to help prevent the tank from becoming over-pressurized and possibly rupturing if ever exposed to fire. Vent must be used in conjunction with a "normal vent." Correct application of this vent requires proper vent size and selection for the tank system in order to meet the specific venting capacity requirement.

Morrison Bros emergency vents conform to the following codes and standards: API 2000, International Fire Code, National Fire Code of Canada, NFPA 1, 30, 30A, 31, 37, 110, PEI RP200, PEI RP800, Underwriters Laboratories Inc., UL-142 UL-2085 UL- 2244, Underwriters Laboratories of

I.D. Number	A	B	C	D	E	F	G	Diameter	Height	Weight	Screen
244O--0200 AV	6	278,660		8	I	A	AL	9.1	3.9	19	
244O--0200AVEVR	6	278,660		8	I	B	AL	9.1	3.9	19	
244O--0400 AV	6	278,660		16	I	A	AL	9.1	4.9	36	
244O--0400AVEVR	6	278,660		16	I	B	AL	9.1	4.9	36	
244OB-0200 AV	6	278,660	B	8	I	A	AL	9.1	3.9	19	
244OI-0200 AV	6	278,660		8	I	A	I	9.1	3.9	22	
244OI-0400 AV	6	278,660		16	I	A	I	9.1	4.9	39	
244OS-0200 AV	6	232,638		8	I	A	AL	9.1	3.9	19	S
244OS-0200AVEVR	6	232,638		8	I	B	AL	9.1	3.9	19	S
244OS-0400 AV	6	232,638		16	I	A	AL	9.1	4.9	36	S
244OS-0400AVEVR	6	232,638		16	I	B	AL	9.1	4.9	36	S
244OSBSP0200 AV	6	232,638	B	8	I	A	AL	9.1	3.9	19	S
244OF-0050 AV	6	278,660	F	8	I	A	AL	9.1	3.2	21	
244OF-0050 AVE	6	278,660	F	8	I	A	AL	9.1	3.2	21	
244OF-0075 AV	6	278,660	F	16	I	A	AL	9.1	4.2	38	
244OF-0075 AVE	6	278,660	F	16	I	B	AL	9.1	4.2	38	
244OFS0050 AV	6	232,638	F	8	I	A	AL	9.1	3.2	21	S
244OFS0075AV	6	232,638	F	16	I	A	AL	9.1	4.2	38	S
244OM-0200 AV	6	278,660	M	8	I	A	AL	9.1	5.9	20	
244OM-0200AVEVR	6	278,660	M	8	I	B	AL	9.1	5.9	20	
244OM-0400 AV	6	278,660	M	16	I	A	AL	9.1	6.9	37	
244OM-0400AVEVR	6	278,660	M	16	I	B	AL	9.1	6.9	37	
244OMBS0400 AV	6	232,638	M	16	I	A	AL	9.1	6.9	37	S
244OMBSP0200 AV	6	278,660	MB	8	I	A	AL	9.1	5.9	20	
244OMBSP0400 AV	6	278,660	MB	16	I	A	AL	9.1	6.9	37	
244OMI0200 AV	6	278,660	M	8	I	A	I	9.1	5.9	26	
244OMI0400 AV	6	278,660	M	16	I	A	I	9.1	6.9	43	
244OMS0200 AV	6	232,638	M	8	I	A	AL	9.1	5.9	20	S
244OMS0200AVEVR	6	232,638	M	8	I	B	AL	9.1	5.9	20	S
244OMS0400 AV	6	232,638	M	16	I	A	AL	9.1	6.9	37	S
244OMS0400AVEVR	6	232,638	M	16	I	B	AL	9.1	6.9	37	S
244OMSB0200 AV	6	232,638	MB	8	I	A	AL	9.1	5.9	20	S

Flange = 11" OD ; eight (8) .88" Diameter holes on 9.5" diameter B.C.



**CHART KEY:**

- A**—Size: 6"
- B**—Venting Capacity/CFH
- C**—Mounting Connection: Female N.P.T. (BLANK); Male N.P.T.(M); Flanged (F); BSP (B)
- D**—Pressure Settings: 8 or 16 oz/in<sup>2</sup>. Pressure Required to Open Vent.
- E**—Cover: Cast Iron (I); Powder Coated
- F**—Seat Material: O-Ring Viton A (A) or Viton B (B)
- G**—Body Material: Aluminum (AL) or Iron (I)
- Diameter**—Dimension Across Vent
- Height**—Dimension from Base to Top When Closed
- Weight**—Shipping Weight
- Screen**—3 Mesh Stainless Steel
- Bolt**—Zinc plated steel

**WARNING: DO NOT FILL OR UNLOAD FUEL FROM A STORAGE TANK UNLESS IT IS CERTAIN THAT THE TANK VENTS WILL OPERATE PROPERLY.** Morrison tank vents are designed only for use on shop fabricated atmospheric tanks which have been built and tested in accordance with UL 142, NFPA 30 & 30A, and API 650 and in accordance with all applicable local, state, and federal laws. In normal operation, dust and debris can accumulate in vent openings and block air passages. Certain atmospheric conditions such as a sudden drop in temperature, below freezing temperatures, and freezing rain can cause moisture to enter the vent and freeze which can restrict internal movement of vent mechanisms and block air passages. All storage tank vent air passages must be completely free of restriction and all vent mechanisms must have free movement in order to insure proper operation. Any restriction of airflow can cause excessive pressure or vacuum to build up in the storage tank, which can result in structural damage to the tank, fuel spillage, property damage, fire, injury, and death. Monthly inspection, and immediate inspection during freezing conditions, by someone familiar with the proper operation of storage tank vents, is required to insure venting devices are functioning properly before filling or unloading a tank.