

# Morrison Bros. Co.

## Fig. 244 2", 3" & 4" Emergency Vent

### Specification Sheet

www.morbros.com

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.

Conformance Including: NFPA 30, 30a, UL 142,  
UL 2244, API 2000 and PEI RP200.

Additional References: NFPA 30, UL 142, Morrison Venting Guide



Fig. 244



#### SPECIFICATION OPTIONS:

I.D. Number	A	B	C	D	E	F	G	H	Diameter	Height	Weight
244OM-0020 AV	2	21.10	M	8	BR	O	BR	N	3	1.4	1
244OMBSP0020 AV	2	21.10	B	8	BR	O	BR	N	3	1.4	1
244OMS-0020 AV	2	19.30	M	8	BR	O	BR	Y	3	1.4	1
244OMI0050 AV	3	59.90	M	8	I	O	AL	N	4.7	3.7	8
244OM-0050 AV	3	59.90	M	8	I	O	AL	N	4.7	3.7	5.8
244OMBSP0050 AV	3	59.90	B	8	I	O	AL	N	4.7	3.7	5.8
244M-0100 AV	4	119.75	M	8	I	BR	AL	N	5.8	6.7	11.5
244OM-0100 AV	4	119.75	M	8	I	O	AL	N	5.8	6.6	11.5
244OMS0100 AV	4	119.75	M	8	I	O	AL	Y	5.8	6.6	11.5
244OMSB0100 AV	4	119.75	B	8	I	O	AL	Y	5.8	6.6	11.5
244OMI0100 AV	4	119.75	M	8	I	O	I	N	5.8	6.6	16.4
244OM-0150 AV	4	119.75	M	12	I	O	AL	N	5.9	7.3	16.3
244M-0170 AV	4	119.75	M	16	I	BR	AL	N	6.1	8.2	21.2
244MBSP0170 AV	4	119.75	B	16	I	BR	AL	N	6.1	8.2	21.2
244OM-0170 AV	4	119.75	M	16	I	O	AL	N	6.1	8.1	21.2
244OMS0170 AV	4	119.75	M	16	I	O	AL	Y	6.1	8.1	21.2
244OMI0170 AV	4	119.75	M	16	I	O	I	N	6.1	8.1	26.1
244--0100 AV	4	119.75		8	I	BR	AL	N	5.8	4.5	10.6
244O-0100 AV	4	120.00		8	I	O	AL	N	5.8	4.4	10.6
244OS-0100 AV	4	119.75		8	I	O	AL	Y	5.8	4.4	10.6
244OSBSP0100 AV	4	119.75	B	8	I	O	AL	Y	5.8	4.4	10.6
244OI-0100 AV	4	119.75		8	I	O	I	N	5.8	4.4	13.6
244--0170 AV	4	119.75		16	I	BR	AL	N	6.1	6	21
244O-0170 AV	4	119.75		16	I	O	AL	N	6.1	5.9	21
244OS-0170 AV	4	119.75		16	I	O	AL	Y	6.1	5.9	21
244OI-0170 AV	4	119.75		16	I	O	I	N	6.1	5.9	24

#### CHART KEY:

**A**—Size: 2", 3" or 4"  
**B**—Venting Capacity/CFH (in 1000's)  
**C**—Mounting Connection: Female N.P.T. (BLANK); Male N.P.T.(M); Flanged (F); BSP (B)  
**D**—Pressure Settings: 8, 12, 16 oz/in<sup>2</sup>. Pressure Required to Open Vent.  
**E**—Cover: Cast Iron Painted (I); Brass (BR); Aluminum (AL); Optional Iron Powder Coated (Consult Factory for Details); Bolt: Steel-Zinc Plated  
**F**—Seat Material: Brass (BR) or Viton O-Ring (O)  
**G**—Body Material: Aluminum (AL); Iron (I) or Brass (BR)  
**H**—Screen: Yes/No (3 mesh); 2" = 4 Mesh  
**Diameter**—Dimension Across Vent  
**Height**—Dimension From Base to Top When Closed  
**Weight**—Shipping Weight

**NOTE: 2" Not UL Listed**

**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.

