

Emergency Vents

244 Series



Emergency Vent

Emergency vent (pressure relief only) used on aboveground storage tanks, as a code requirement that helps prevent the tanks from becoming over-pressurized and rupturing if exposed to fire. UL listed except for 2".



Fig. 244



Fig. 244M



Fig. 244F

WARNING...The 244 emergency vent must be properly sized and selected for each specific tank application in order to meet the proper "venting capacity" requirements. See the Morrison Vent Guide for further instructions.

WARNING...The 244 emergency vent is for "emergency pressure relief only" and must be used in conjunction with a "normal vent" or pressure vacuum vent such as a Morrison Fig. 354, 548, 748 or 749.

Description

The 244 emergency vent consists of a body and a black powder coated cover (2" not powder coated) that moves up and down on a center pin. Pressure inside the tank forces the cover to lift up off the vent seat, allowing air to exhaust. The center pin guides the movement. When pressure falls the cover lowers back down onto seat and the vent is automatically reset.

Code Compliance

When properly sized for the tank, this vent will conform to the requirements of NFPA 30, 30A, UL 142, UL 2244, API 2000, and PEI RP200.

Fig. No.	Size	Opening Pressure Setting (oz/sq in)	Ship Weight (lbs)	Venting Capacity (*Estimated CFH @ 2.5 PSI)	Mounting Connection	
244 & 244O	4"	8.0	10.65	119,750	Female NPT/BSP	
		16.0	21.00	119,750	Female NPT	
	6"	8.0	15.50	246,130	Female NPT/BSP	
		16.0	33.15	246,130	Female NPT	
	8"	8.0	34.70	462,000	Female NPT	
		16.0	68.00	462,000	Female NPT	
244F & 244OF	6"	8.0	24.8	298,750	Flanged	
		16.0	44.2	298,750	Flanged	
	8"	8.0	42.00	509,550	Flanged	
		16.0	75.00	509,550	Flanged	
	10"	2.5	32.00	808,350	Flanged	
		8.0	71.00	808,350	Flanged	
		16.0	125.00	808,350	Flanged	
	244M & 244OM	<i>(2" and 3" OM only)</i>				
		2"	8.0	1.0	21,100*	Male NPT/BSP
		3"	8.0	5.75	59,900	Male NPT/BSP
8.0			11.55	119,750	Male NPT	
4"		8.0	11.55	119,750	Male NPT/BSP	
		16.0	21.25	119,750	Male NPT/BSP	
6"		8.0	19.45	246,130	Male NPT	
	16.0	35.00	246,130	Male NPT/BSP		
8"	8.0	34.00	453,300	Male NPT		
	16.0	68.00	453,300	Male NPT		
244OH	6"	8.0	21.50	298,750	Female NPT	
		16.0	41.40	298,750	Female NPT	
244OMH	6"	8.0	23.00	298,750	Male NPT	
		16.0	42.9	298,750	Male NPT	

Material and Configuration Options

Aluminum Body or Iron Body...suffix (I) indicates iron.

Metal-to-Metal Seat (brass) or Soft Seat (Viton®)...suffix (O) indicates o-ring.

Male/Female NPT/BSP or Flanged Mounting Connection...suffix (M) indicates male, and suffix (F) indicates flanged.

Opening Pressure Setting...settings indicated are approximate.

Screened Opening...(available on 4", 6" and 8" female threaded body and 2" male) specify "WITH SCREEN", #3 mesh stainless steel screen used for theft control. Screen is NOT intended to function as a flame arrester.

T= Tall Body...8" only order for use on tite wrapped tanks.

Emergency vent should be set higher than the normal vent so the normal vent operates first.

Use 16 oz. o-ring to comply with pressure decay test. Contact factory for assistance.

Fig. No.	Size	Opening Pressure Setting (oz/sq in)	Ship Weight (lbs)	Venting Capacity (*Estimated CFH @ 2.5 PSI)	Mounting Connection
244OI	4"	8.0	13.65	119,750	Female NPT
		16.0	24.00	119,750	Female NPT
	6"	8.0	20.63	246,130	Female NPT
		16.0	38.28	246,130	Female NPT
	8"	8.0	44.33	462,000	Female NPT
		16.0	77.63	462,000	Female NPT
244OMI	<i>(3" OMI only)</i>				
	3"	8.0	8.00	59,900	Male NPT
	4"	8.0	16.36	119,750	Male NPT
		16.0	26.06	119,750	Male NPT
	6"	8.0	27.76	246,130	Male NPT
		16.0	43.31	246,130	Male NPT
8"	8.0	34.63	453,300	Male NPT	
	16.0	75.36	453,300	Male NPT	
244OMS	2"	8.0	1.0	19,250*	Male NPT
		8.0	12.0	109,250*	Male NPT/BSP
	4"	16.0	23.0	109,250*	Male NPT
		8.0	20.5	224,500*	Male NPT/BSP
	6"	16.0	36.0	224,500*	Male NPT
		8"	8.0	40.5	453,300
244OMT	8"	16.00	71.5	453,300	Male NPT