



**M** MORRISON BROS. CO.

## FLAME ARRESTER SERIES 351S

Item code: MORRISON-FA

Flame arresters provide a positive barrier that keeps flames from passing through the normal vent line into a storage tank's vapor space.

### FEATURES:

- Directs vapors outward and upward in accordance with NFPA 30.
  - Protects the vent line from debris and insects.
  - Water resistant rain cap sheds water away from the vent line.
- Construction Details:
    - Body and cover: Cast iron
    - Arrester Plates: Stainless steel
    - Arrester grid housing: Brass

### RANGE OPTIONS:

Code	Size	Pressure	Vacuum	Capacity (CFH) (@2.5 PSI)	Description	Weight
351S4000AV	2"	-	-	-	Flame Arrester with Stainless Steel Grid & 354 Vent	31
351S0200AV	2"	2oz/sq.in <sup>2</sup>	1oz/sq.in <sup>2</sup>	15,500	Flame Arrester/748A Pressure Vacuum Vent	42
351S0300AV	2"	4oz/sq.in <sup>2</sup>	1oz/sq.in <sup>2</sup>	15,500	Flame Arrester/748A Pressure Vacuum Vent	42.5
351S0400AV	2"	6oz/sq.in <sup>2</sup>	1oz/sq.in <sup>2</sup>	15,500	Flame Arrester/748A Pressure Vacuum Vent	42.75
351S0500AV	2"	8oz/sq.in <sup>2</sup>	1oz/sq.in <sup>2</sup>	15,500	Flame Arrester/748A Pressure Vacuum Vent	43.5
351S0600AV	2"	12oz/sq.in <sup>2</sup>	1oz/sq.in <sup>2</sup>	13,000	Flame Arrester/748A Pressure Vacuum Vent	44.5
351S0700AV	2"	16oz/sq.in <sup>2</sup>	1oz/sq.in <sup>2</sup>	13,000	Flame Arrester/748A Pressure Vacuum Vent	45.75
351S1500AV	2"	8oz/sq.in <sup>2</sup>	1oz/sq.in <sup>2</sup>	-	Flame Arrester/748A Pres Vac Vent w/Pres Discharge Hood	45
351S4100AV	2"	8oz/sq.in <sup>2</sup>	1oz/sq.in <sup>2</sup>	-	Flame Arrester/749 Pressure Vacuum Vent	32

**WARNING:** Do not use with acetylene, carbon disulfide, etheleneoxide or hydrogen gases. For use with normal hydrocarbon flames such as gasoline in air. Routine inspection is required to ensure airways are clear and free of debris. Blocked airways can cause structural deformation of the tank. 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.