

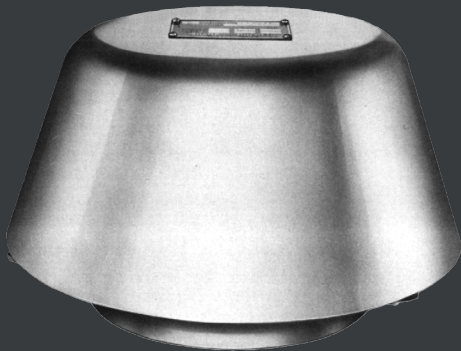
94126

High Pressure Vacuum Vent (Vacuum)

The Shand & Jurs® Model 94126 Pressure Rim Vent provides low-pressure overpressure protection for floating roof storage tanks and small low-pressure vessels. Installed on the floating roof rim, the 94126 relieves excess internal vapor pressure that may develop between the floating roof and tank shell during rapid product movement, thermal expansion, or seal malfunction.

The vent remains closed during normal operating conditions and opens when internal pressure exceeds the set threshold, preventing structural damage to roof pontoons, rim seals, or associated roof components. Its weight-loaded pallet design delivers repeatable opening without reliance on springs or complex mechanisms, supporting predictable relief performance and long-term mechanical stability.

The 94126 is supplied in a 6-inch NPT connection and constructed of corrosion-resistant cast aluminum for exposed outdoor service. Standard setting is 1/2 oz./in² (0.865 in. W.C.), with higher setpoints available up to 5.7 oz./in² depending on configuration.



Key Features

Weight-Loaded Pressure Pallet

Provides controlled opening at defined pressure without spring fatigue or calibration drift.

Standard 1/2 oz./in² Setpoint

Supports low-pressure roof protection consistent with floating roof design limits.

Maximum Setting to 5.7 oz./in²

Allows higher relief thresholds for specialized rim or auxiliary applications.

Cast Aluminum Body and Cover

Corrosion-resistant construction suitable for exposed floating roof environments.

Integrated Weather Hood

Protects internal components from rain and debris intrusion.

6-Inch NPT Connection

Simplifies installation and mounting to floating roof rim assemblies.

Benefits



PROTECTS FLOATING ROOF STRUCTURE

Prevents excessive pressure buildup that can damage roof seals and pontoons.



STABLE RELIEF PERFORMANCE

Weight-loaded design ensures predictable operation without spring degradation.



REDUCED MAINTENANCE COMPLEXITY

Simple mechanical construction lowers inspection and service requirements.



OUTDOOR SERVICE DURABILITY

Cast aluminum construction resists corrosion in exposed tank roof environments.



FLEXIBLE SETPOINT SELECTION

Higher pressure settings accommodate varying tank design requirements.



SPECIFICATION SIMPLICITY

Defined size and configuration streamline engineering documentation and approval.

Available Options



Non-Standard Set Pressure

Allows configuration above the standard 1/2 oz./in² setting.



316 Stainless Steel Screen

Enhances corrosion resistance in aggressive environments.



ATEX Certified Version

Supports hazardous area compliance where required.



CE Certified Version

Meets project requirements in CE-regulated markets.



Custom Tagging

Provides project-specific identification and traceability.



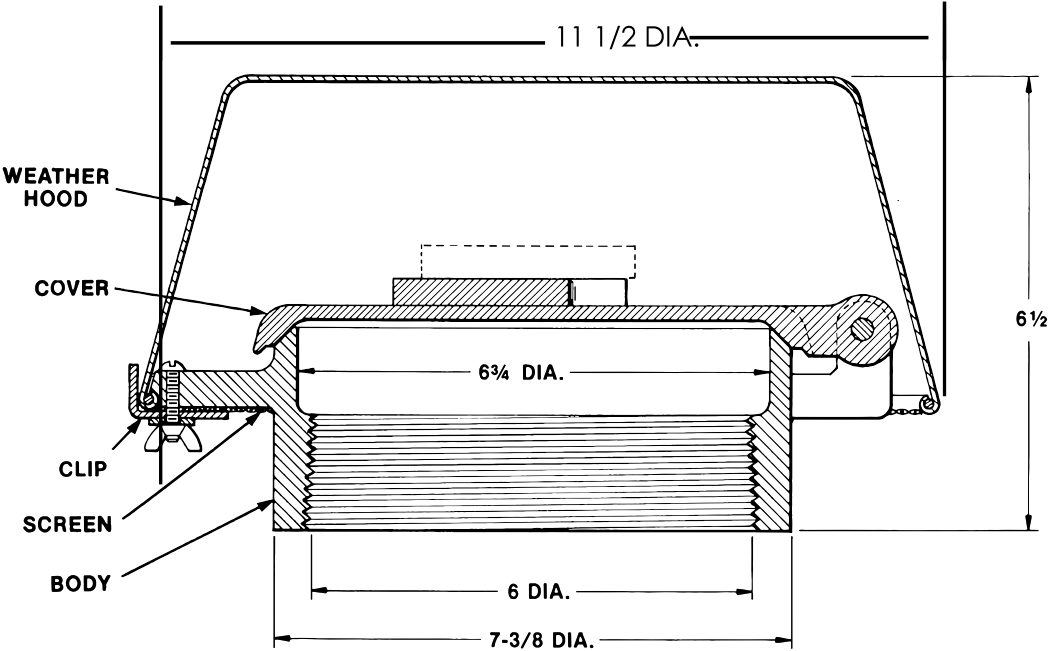
Protective Coating Options

Improves corrosion resistance in severe atmospheric conditions.

Key Performance Data

Parameter	Value
Function	Floating roof pressure relief
Standard Set Pressure	1/2 oz./in ² (0.865 in. W.C.)
Maximum Available Setting	5.7 oz./in ² (10 in. W.C.)
Sealing Method	Weight-loaded pallet
Loading Method	Gravity/weight loading
Connection	6" NPT screwed
Nominal Size	6"
Body Material	Cast Aluminum
Cover Material	Cast Aluminum
Screen Options	Galvanized Steel or 316 Stainless Steel
Certifications	ATEX,
Temperature Range	Suitable for ambient outdoor tank roof service

Dimensions



Model Number Selection

The model number will consist of a base number 94126 followed by 2 digit numbers. These digits will represent 1 option table.

94126 - AB

Ordering Information

- Specify:**
- 1. Model 94126 Pressure Vent
 - 2. Size
 - 3. Setting, if other than standard
 - 4. To Specify CE for Ordinary Locations use Table B3
 - 5. ATEX Certification for II 1 G Ex h II B T1...T6 Ga EU Locations use Table B2

Table AB - Size and Setting

Option AB	Description
01	Standard Settings
11	Non-Standard Settings
02	ATEX - Standard Settings
12	ATEX - Non-Standard Settings
03	CE - Standard Settings
13	CE - Non-Standard Settings

Materials of Construction

Body:	Cast Aluminum
Weather Hood	Aluminum
Cover	Cast Aluminum
Screen	Galvanized Steel Table B=1; 3
Screen	316 SS Table B=2

Pressure Settings

1/2 oz./in.2 (0.865" W.C.)	Standard Setting
5.7 oz./in.2 (10" W.C.)	Maximum Setting

Summary

The Shand & Jurs® 94126 Pressure Rim Vent delivers dependable low-pressure relief for floating-roof tank and auxiliary tank protection applications. Its weight-loaded design, corrosion-resistant cast aluminum construction, and defined setpoint options provide predictable performance while protecting floating roof structures from internal pressure buildup. The standardized 6-inch configuration simplifies specification and installation in petroleum and refined product storage environments.

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This document is for information purposes only. All designs subject to change. Certified dimensions, specifications, and performance data available upon request