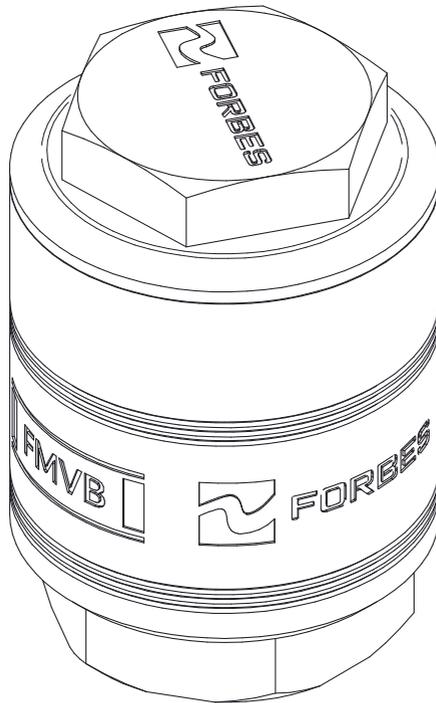


# Installation and Maintenance Manual

## Forbes Marshall Vaccum Breaker

FMVB



### Description of the product:

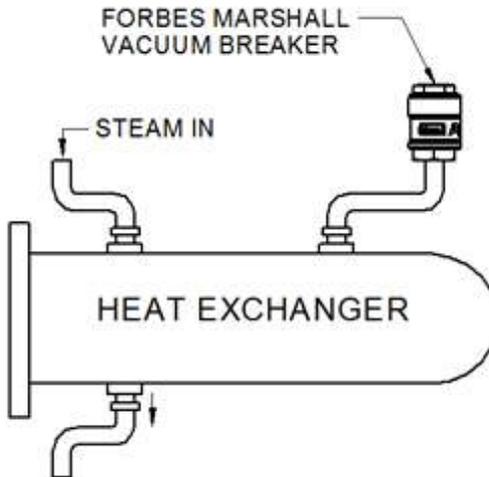
The FMVB is a vacuum breaker, designed to fit on steam or liquid systems.

### Limiting Conditions:

Body design conditions	363 psi g
PMA Maximum allowable pressure	363 psi g @ 248 °F
TMA Maximum allowable temperature	752 °F @ 189 psi g
Minimum Allowable Temperature	32°F
PMO Maximum operating pressure for saturated steam service	305 psi g
TMO Maximum operating temperature	752 °F @ 189 psi g

### Installation:

The vacuum breaker FMVB must be installed in a vertical position as shown. The system connection should be at the bottom. It should be installed at the highest point in the system and should not be flooded with condensate.



## Maintenance:

Before attempting maintenance of the product, ensure venting of steam system to avoid injury. If steam leak is observed from cap and body joint, replace the gasket. Gasket is available in a spare kit (SPARE-015FMVB-GKIT)

Check if the seating surface and ball are clean and free from damage. If damaged replace the product.

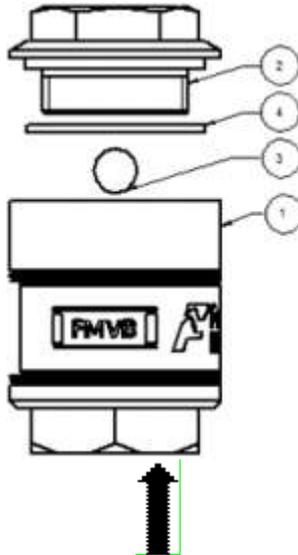
## Recommended Tightening Torque:

Recommended Tightening Torque is 88.5 lbf-ft

## Sizes and Pipe connections:

½" (system connection) screwed NPT.

1/8" (air inlet connection) screwed NPT



## Materials:

System Connection

SR. NO.	DESCRIPTION	MATERIAL
1	BODY	ASTM A 276 Type 431
2	CAP	ASTM A 276 Type 431
3	BALL	AISI 440 C
4	GASKET	SS REINFORCED EXFOLIATED GRAPHITE

## Product Disposal:

It is necessary to dispose this product only in accordance with local regulations at the authorized, qualified collecting point specified for equipment's and its parts—Please refer the part details mentioned in the material table of this manual. Please follow all waste disposal guidelines (Management & Handling) as published by local governing authorities in India & abroad

## Returning products:

Customers and Stockist are reminded that, when returning products to Forbes Marshall they must provide information on any hazards and the precautions to be taken due to contamination residues or mechanical damage which may present a health, safety or environmental risk.

This information must be provided in writing including Health and Safety data sheets relating to any substances identified as hazardous or potentially hazardous.



[www.forbesmarshall.com](http://www.forbesmarshall.com)

Forbes Marshall Arca

Codel International

Krohne Marshall

Forbes Vyncke

Forbes Marshall Steam Systems

### A: Forbes Marshall Pvt. Ltd.

Opp. 106th Milestone, CTS 2220,  
Mumbai-Pune Road, Kasarwadi,  
Pune MH 411034 INDIA

P: +91(0)20-68138555

F: +91(0)20-68138402

E: [ccmidc@forbesmarshall.com](mailto:ccmidc@forbesmarshall.com)

### Forbes Marshall International Pte. Ltd.

16A, Tuas Avenue 1,  
#05-21, JTC Space @Tuas  
Singapore - 639533

P: +65 6219 3890

CIN No: U28996PN1985PTC037806