

## SERIES EPM

The primary function of this device is protection against costly tank rupture. This manhole cover provides emergency venting for abnormal internal pressure beyond the capability of the pressure relief valve. It also provides easy access for tank inspection.

The most common cause of excessive internal pressure is fire exposure. Emergency venting capacity requirements are dependant upon wetted surface area of the tank. The venting requirements can be calculated in accordance with API standards. When set pressure is reached, the lid will lift and relieve excess pressure. When the over-pressure has dissipated, the cover reseats tightly. The hinged mechanism prevents mis-alignment of the lid or seat so that a tight leak free seal is obtained.

### PRINCIPLE OF OPERATION

When in position the Emergency Pressure Manhole vent provides an effective vapour tight seal. Under emergency fire conditions, the cover can pivot open on its hinges and provide required relief, preventing damage to the tank, due to excessive internal pressure. When tank pressure is reduced, the cover automatically recloses. Weights or counterweights are used to achieve the exact venting pressure required.

### SPECIFICATIONS

Sizes	: 500 mm (20") 600 mm (24")
Connections	: ANSI 150 FF and API 650 Others on request

To process your enquiry, please furnish the following information :

1. Enquiry/order number
2. Tank diameter and height
3. Tank manhole flange connection
4. Tank MAWP
5. Required pressure settings

### SPECIALS ON REQUEST

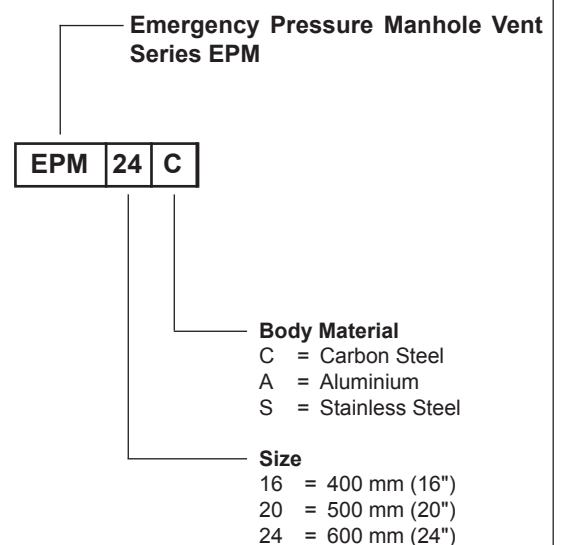
- Epoxy Coated
- Customer specific paint requirements
- Special flanging



### MATERIALS OF CONSTRUCTION

Body	: Carbon or cast steel Aluminium Stainless steel
Seat	: Carbon steel, Aluminium or stainless steel
Bridle	: Carbon or Stainless Steel
Bolting	: Carbon Steel
Diaphragm	: Fluorinated Ethylene Propylene (FEP) / TFE
Hardware	: Mild Steel (Optional) (Zinc Plated / Yellow Passivated)

### MODEL DESIGNATION



**Australian Distributor:** Phone: +61-1300 62 40 20  
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 Email: info@Purple-Eng.com.au  
 Skype: Purple.Engineering

*u Specifications are subject to change without notice.  
 u All dimensions are in mm unless otherwise specified.*