



An Ovivo Company

VAREC 42 Series SAMPLING AND GAUGING HATCH COVER

The 42 Series is designed to provide quick access to tanks for product gauging, temperature measurement and sampling.

Introduction

The VAREC 42 Series Hatch Covers are installed on tanks to provide access for gauging, temperature measurement or sampling. The Hatch Covers are provided with a lockdown device that allows for a gas-tight seal up to 3 psig [20.7 kPa].

For ease of use, the lockdown device includes an ergonomically friendly handwheel. A padlock feature is incorporated to prevent unauthorized tank access through the hatch. In addition, the VAREC 42 Series Hatch Covers include a foot pedal to open the cover, enabling the operator free use of both hands while gauging or sampling the tank contents. Once open, the cover can remain open for ease of use.



Construction

The standard VAREC 42 Series Hatch Covers are available in 356 HT aluminum construction. Other materials are available on request. The flanges are flat face, drilled per ANSI 150 as standard.

An optional steel base is available for welding to tank roofs. Available sizes for the VAREC 42 Series Hatch Covers are 4" through 10".

Materials of Construction

| Base | Cover | Seat Insert |
|-----------------|-----------------|----------------|
| Aluminum | Aluminum | NBR/ FKM/ PTFE |
| Carbon Steel | Aluminum | NBR/ FKM/ PTFE |
| Stainless Steel | Stainless Steel | NBR/ FKM/ PTFE |

Technical

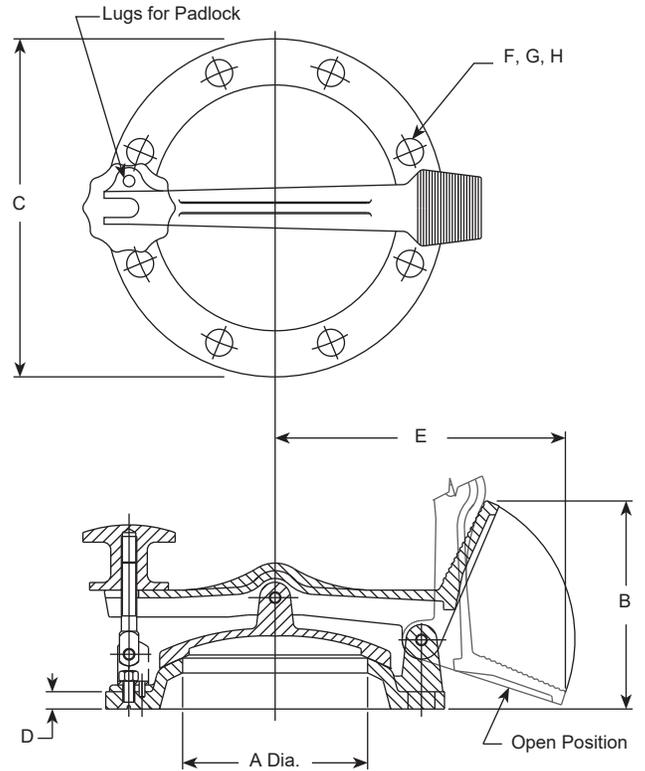
- Sizes 4" to 10" (100 to 250 mm)
- Handwheel with padlock feature
- Non-sparking design
- Corrosion resistant 356 HT aluminum
- NBR, PTFE and FKM seat inserts
- Safety foot pedal

Specifications

Dimensions and Weights, inches [mm] and lbs. (kg)

| Size Code | 4 | 6 | 8 | 0 |
|-------------------------------|-------|-------|--------|--------|
| A Nominal Pipe Size | 4 | 6 | 8 | 10 |
| | [100] | [150] | [200] | [250] |
| B Height | 5 3/4 | 6 3/4 | 6 3/4 | 7 |
| | [146] | [171] | [171] | [178] |
| C Flange Diameter | 9 | 11 | 13 1/2 | 16 |
| | [229] | [279] | [343] | [406] |
| D Flange Thickness | 1/2 | 9/16 | 9/16 | 5/8 |
| | [13] | [14] | [14] | [16] |
| E Clearance | 8 1/8 | 9 3/4 | 10 7/8 | 12 |
| | [206] | [248] | [276] | [305] |
| F Diameter Bolt Circle | 7 1/2 | 9 1/2 | 11 3/4 | 14 1/4 |
| | [191] | [241] | [298] | [362] |
| G Number of Holes | 8 | 8 | 8 | 12 |
| H Hole Size | 3/4 | 7/8 | 7/8 | 1 |
| | [19] | [22] | [22] | [25] |
| Approximate Shipping Weight | 10 | 12 | 15 | 20 |
| | (4.5) | (5.4) | (6.8) | (9.1) |

Shipping weights shown for aluminum construction. Flange drilling per ANSI 150# F. F. Flange. Dimensions are for preliminary general information and should not be used for construction purposes. Certified dimensional drawings are available upon request.



Ordering Information

| Model | Description | |
|-------|--|---|
| 42 | Sampling and Gauging Hatch - Lock Down Cover | |
| | Code | Size |
| | 4 | 4" |
| | 6 | 6" |
| | 8 | 8" |
| | 0 | 10" |
| | Code | Material Base |
| | 11 | Aluminum |
| | 31 | Carbon Steel |
| | 66 | Stainless Steel |
| | Code | Insert Material |
| | B | NBR |
| | V | FKM |
| | T | PTFE |
| | Code | Connection Type |
| | A | Flat Face flange drilled to ANSI 150 (Standard) |
| | W | Welded Connection (Available on Carbon Steel Base Only) |
| | D | DIN Flat Face Flange |

42 4 11 B A (Example)

Example: 4" 42 Series Sampling and Gauging Hatch Cover, all Aluminum with NBR insert with Flat Face flange drilled to ANSI 150 (Standard)