

Pressure And Vacuum Relief Valve Free Vent

MODEL #12E-TWW-0

OVERVIEW

The GROTH BIOGAS Model 12E-TWW-0 design was created to exceed industry needs. Extensive research and development have produced a product that achieves both superior sealing performance and industry leading flow rates, while also allowing customers to reach their required flow rates with a potentially smaller sized valve and utilize 10% overpressure technology. Costly product evaporative losses due to normal tank "breathing" are greatly reduced. The Model 12E-TWW-0 are superior sealing valves developed to minimize fugitive emissions while providing increased protection and safety to tank equipment and on-site personnel.



TECHNICAL DETAILS

- Size: 2" through 12"
- Body Material: Aluminum, Carbon Steel, Stainless Steel
- Pallet Material: Aluminum, Stainless Steel
- Diaphragm Materials: Buna-N, Blue FKM or FEP
- Weight Material: Zinc-Plated Steel, Stainless Steel
- Bolting Class: 150# ASME, PN10, PN16, JIS drilling classes available
- Available Pressure Settings: 0.5 osig to 24 osig
- Available Vacuum Settings: 0.464 osig (2 mbarg) to 24 osig
- Superior tightness, exceeding API-2000 leak requirements
- PED and ATEX Certified
- Vent to Atmosphere, Pressures up to 24 osig

FEATURES

- This valve is designed to utilize 10% overpressure technology
- Product leakage and fugitive emissions are reduced via ultra-tight sealing
- Higher flow capacity to protect from both excessive pressure and excessive vacuum build up
- Peripheral and central seat guides ensure reliable, repeatable performance
- Designed for easy maintenance, thus reducing downtime and operational cost

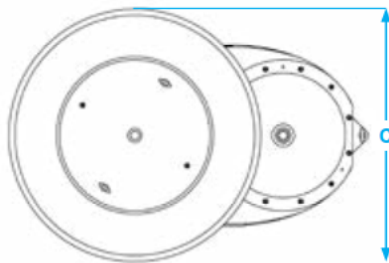
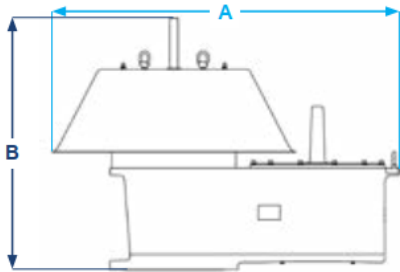
OPTIONS

- Corrosion resistance can be enhanced with FKM soft goods

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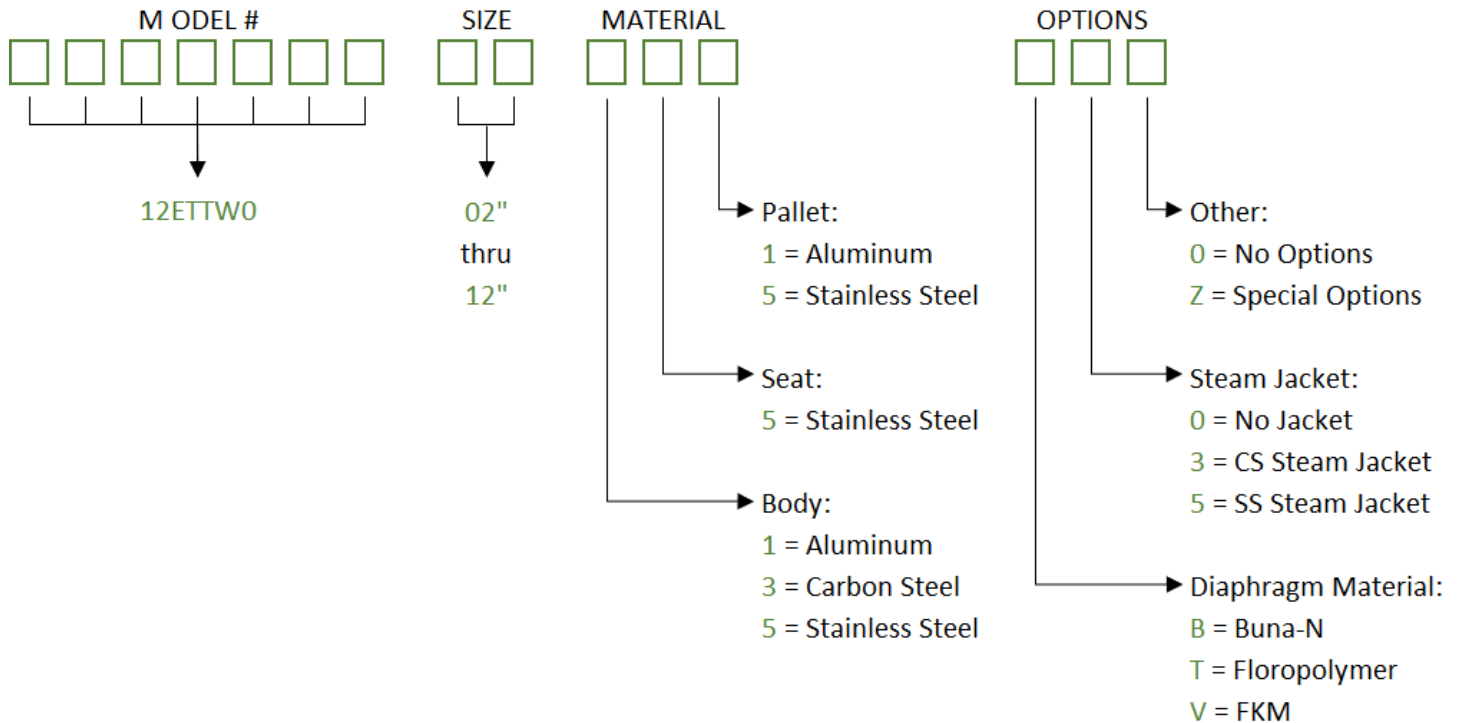
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SPECIFICATIONS



Connection Size Inches (mm)	A Length Inches (mm)	B Height Inches (mm)	C Width Inches (mm)	Assembly Weight *SS LBS (KG)
2 (50)	14.16 (360)	14.29 (363)	9.78 (248)	83 (38)
3 (80)	18.38 (469)	16.47 (418)	13.43 (341)	131 (59)
4 (100)	22.48 (571)	18.28 (464)	16.89 (429)	196 (89)
6 (150)	30.93 (786)	23.79 (604)	23.47 (596)	357 (162)
8 (200)	37.76 (959)	28.70 (729)	25.49 (647)	571 (259)
10 (250)	45.82 (1164)	33.46 (850)	32.17 (817)	772 (350)
12 (300)	51.91 (1319)	37.38 (949)	36.44 (925)	1075 (488)

HOW TO ORDER



Notes:

- Include model number and settings when ordering
- For special options, consult factory