



A Division of Energenecs

# Safety Diverter Valve

## Model 8800SDV

The Groth Biogas Model 8800SDV Safety Diverter Valve (SDV) is a 3-way, multiport ball valve, offering a safe, quick, and easy way for valve "changeover" used quite commonly on anaerobic digesters for ease of inspection, maintenance, and cleaning. This allows for redundant pressure/vacuum relief valve (PVRV) and flame arrester (FA) assemblies allowing no process interruption, while providing continuous system overpressure or vacuum protection. The design makes it impossible to shut off both valve outlets at the same time which guarantees continuous operation.



Specifications and Design subject to change without notice.

GROTH BIOGAS a Division of Energenecs – 700 E Milan Dr, Saukville, WI 53080 – GROTHBIOGAS.COM



SALES AND DATA SHEET

# Safety Diverter Valve

## MODEL 8800SDV

SLSDS-8800SDV  
REV. 2  
DATE 4/13/2026

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### APPLICATION

- Commonly installed on a digester in tandem with the systems PVRV and PVRV/FA assemblies
- Please consult the factory for assistance with PVRV/FA assembly selection and compatibility

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### TECHNICAL DETAILS

- Size: 2" – 12" (DN 50 – DN 250)
- Material: 316 Stainless Steel
- Lever Operated 2"-4" Sizes
- Gear Wheel Operated 6"-12" Sizes

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### FEATURES

- 3-Way, Multi-port, Full Bore Design
- L Port (Standard)
- Live-loaded stem packing for positive sealing (Sizes 6" and larger)
- High sphericity and mirror surface finish of ball ensures positive shut-off and low operating torque
- Visual indicator for indicating active relief valve and flow path of the media
- Lock-out mechanism (standard) prevents unwanted access
- Stopping mechanism prevents shutting off both valves at the same time
- Ability to perform maintenance without interrupting service or vessel protection
- Flow area is never restricted
- Balanced internal forces
- Smoother valve switching

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### OPTIONS

- T Port available (consult factory for application support)
- Raised Face (RF) Connection at bottom valve connection
- Raised Face (RF) or Flat Face (FF) connection options available to match PVRV or PVRV/FA compatibility
- Insulation Jacket

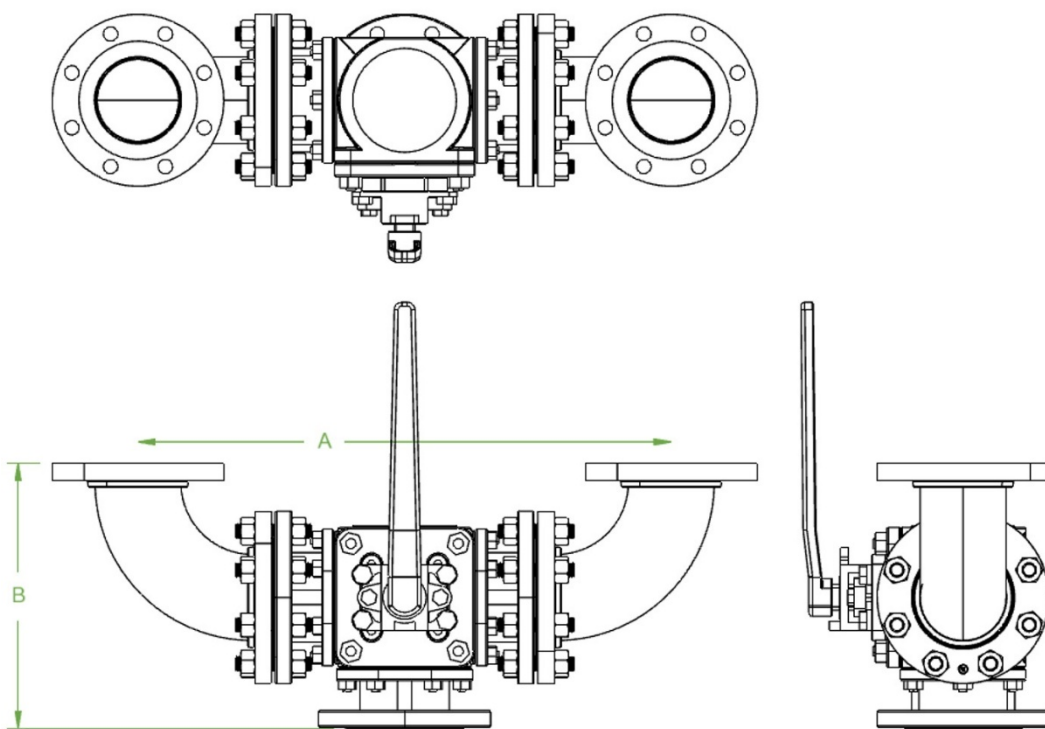
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### SPECIFICATIONS



| Size<br>in<br>(mm) | A Dim<br>in<br>(mm) | B Dim<br>in<br>(mm) |
|--------------------|---------------------|---------------------|
| 2"<br>(50)         | 16.29"<br>(414)     | 8.02"<br>(204)      |
| 3"<br>(80)         | 22.25"<br>(565)     | 11.00"<br>(279)     |
| 4"<br>(100)        | 27.95"<br>(710)     | 13.85"<br>(352)     |
| 6"<br>(150)        | 38.31"<br>(973)     | 19.03"<br>(483)     |
| 8"<br>(200)        | 48.31"<br>(1227)    | 24.03"<br>(610)     |
| 10"<br>(250)       | 61.18"<br>(1554)    | 30.47"<br>(774)     |
| 12"<br>(300)       | consult<br>factory  | consult<br>factory  |

Notes:

- Consult Factory for more accurate weights based on Model Configuration and material selections
- Specifications & design subject to change w/o notice
- 2" - 4" Lockable Lever Operator
- 6" - 12" Gear Wheel Operator



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### MODEL IDENTIFICATION

| MODEL                | Size                                                                                                                              | CONNECTION                                                                                                                                                                                                                                         | MATERIAL                                                                           | Flow PATTERN                   | FINISH               | MAWP                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/>                                                                                                              | <input type="text"/>                                                                                                                                                                                                                               | <input type="text"/>                                                               | <input type="text"/>           | <input type="text"/> | <input type="text"/> |
| 8800SDV              | 02 = 2" (50mm)<br>03 = 3" (80mm)<br>04 = 4" (100mm)<br>06 = 6" (150mm)<br>08 = 8" (200mm)<br>10 = 10" (250mm)<br>12 = 12" (300mm) | <b>Upper</b><br>A = #150 Flat Face<br>B = PN10 Flat Face<br>C = PN10/16 Flat Face<br>D = PN16 Flat Face<br>E = #150 Raised Face<br>F = PN10 Raised Face<br>G = PN10/16 Raised Face<br>H = PN16 Raised Face<br><b>Lower</b><br>E = #150 Raised Face | <b>Elbow</b><br>5 = Stainless Steel 316<br><b>Valve</b><br>5 = Stainless Steel 316 | L = "L" Style<br>T = "T" Style | U = Unfinished       | 10 = 10 PSIG         |

Note: For other options contact [Sales@GROTHBIOGAS.com](mailto:Sales@GROTHBIOGAS.com)