



A Division of Energenecs

Back Pressure Regulator

Model 8860

The Groth Biogas Model 8860 Back Pressure Regulator is a high capacity, low pressure in-line pressure relief valve. It maintains a predetermined back pressure to maintain the waste gas pressure upstream for use. It will relieve excess gas for other use or flaring (waste gas burning). The spring-loaded regulator is adjustable across the available spring range, and the setting is displayed via a visual indicator. This allows the operator with ease of adjustability. See below for available spring ranges.



Specifications and Design subject to change without notice.

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



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SALES AND DATA SHEET

Back Pressure Regulator

MODEL 886o

SLSDS-886o

REV. 2

DATE 4/13/2026

APPLICATION

- The unit is most commonly installed upstream of a waste gas burner to control gas flow downstream.
- It can be used to maintain and control gas pressure to other gas use systems such as boilers, generators, gas cleaning skids, etc.

TECHNICAL DETAILS

- Sizes: 2"-12"
- Materials: Aluminum Bodies and Aluminum or SS Pallets
- Available Spring Ranges – See table in Section 4 below
- Maximum Working Pressure (MAWP): 10 psig / 0.689 barg

FEATURES

- Simple upstream pressure regulation allows for accurate pressure relief
- Adjustable set pressure for easy process pressure regulation adjustment
- Visual display of pressure setpoint

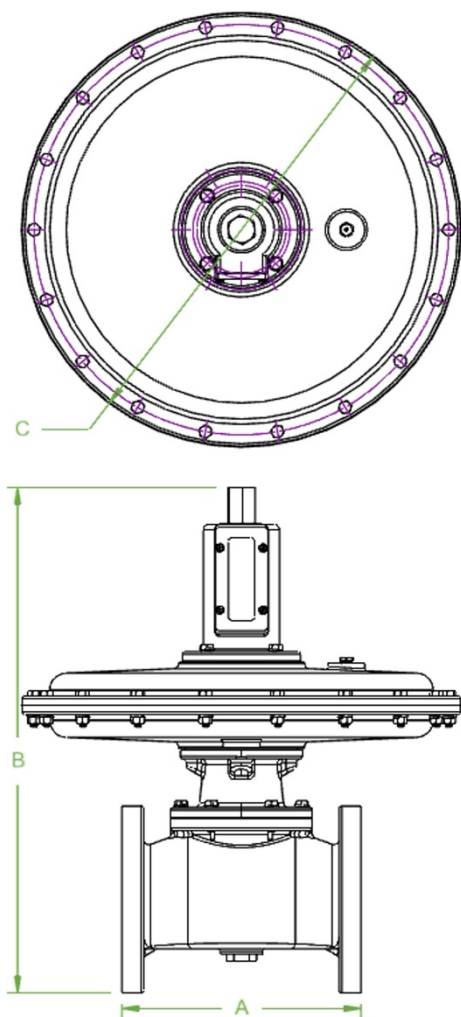
OPTIONS

- Drain or Drip Trap Connection
- Insulation Jacket
- Flame Check (Vent Line)
- Electronic/Solenoid Shutoff
- Various spring ranges (see table above)
- Aluminum or 316 SS Pallet

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SPECIFICATIONS



Size	A Dim in (mm)	B Dim in (mm)	C Dim in (mm)
2" (50mm)	8.75 (222)	20.25 (514)	21.00 (533)
3" (80mm)	10.00 (254)	23.75 (603)	21.00 (533)
4" (100mm)	11.38 (289)	24.50 (622)	21.00 (533)
6" (150mm)	15.00 (381)	29.25 (743)	26.50 (673)
8" (200mm)	22.25 (565)	31.50 (800)	26.50 (673)
10" (250mm)	25.50 (648)	49.00 (1245)	25.50 (648)
12" (300mm)	34.82 (884)	50.75 (1289)	25.50 (648)

Notes:

- Consult Factory for weights
- Specifications & design subject to change w/o notice

Size	Available Spring Ranges - in WC	Available Spring Ranges - mbar
2" (50mm)	2-12" WC & 8-24" WC	5-30mbar & 20-60mbar
3" (80mm)	2-12" WC & 8-24" WC	5-30mbar & 20-60mbar
4" (100mm)	2-12" WC & 8-24" WC	5-30mbar & 20-60mbar
6" (150mm)	2-12" WC & 8-24" WC	5-30mbar & 20-60mbar
8" (200mm)	2-12" WC & 8-24" WC	5-30mbar & 20-60mbar
10" (250mm)	2-6" WC, 5-12" WC, 10-22" WC, & 20-40" WC	5-15mbar, 12.5-30mbar, 25-55mbar, & 50-100mbar
12" (300mm)	2-6" WC, 5-12" WC, 10-22" WC, & 20-40" WC	5-15mbar, 12.5-30mbar, 25-55mbar, & 50-100mbar



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MODEL IDENTIFICATION

MODEL	SIZE	CONNECTION	MATERIAL	PRESSURE SETTING	SPRING RANGE	SOLENOID	FINISH	MAWP
8860	02	A	1	02	A	0	U	10
8860	02 = 2" (50mm)	A = #150 Flat Face	Regulator Body	02 = 2 INWC	A = 2-8" Size 2-12 INWC	0 = None	U = Unfinished	10 = 10 PSIG
	03 = 3" (80mm)	B = PN10 Flat Face	1 = Aluminum	Thru	B = 2-8" Size 8-24 INWC	1 = 120VAC		
	04 = 4" (100mm)	C = PN10/16 Flat Face	Pallet	24 = 24 INWC (2-8"mm)	C = 10-12" Size 2-6 INWC	2 = 24VDC		
	06 = 6" (150mm)	D = PN16 Flat Face	1 = Aluminum	or Thru	D = 10-12" Size 5-12 INWC			
	08 = 8" (200mm)		5 = Stainless Steel 316	40 = 40 INWC (10-12"mm)	E = 10-12" Size 10-22 INWC			
	10 = 10" (250mm)		Seals		F = 10-12" Size 20-40 INWC			
	12 = 12" (300mm)		B = BUNA-N					
			N = Neoprene					

Note: For other options contact Sales@GROTHBIOGAS.com