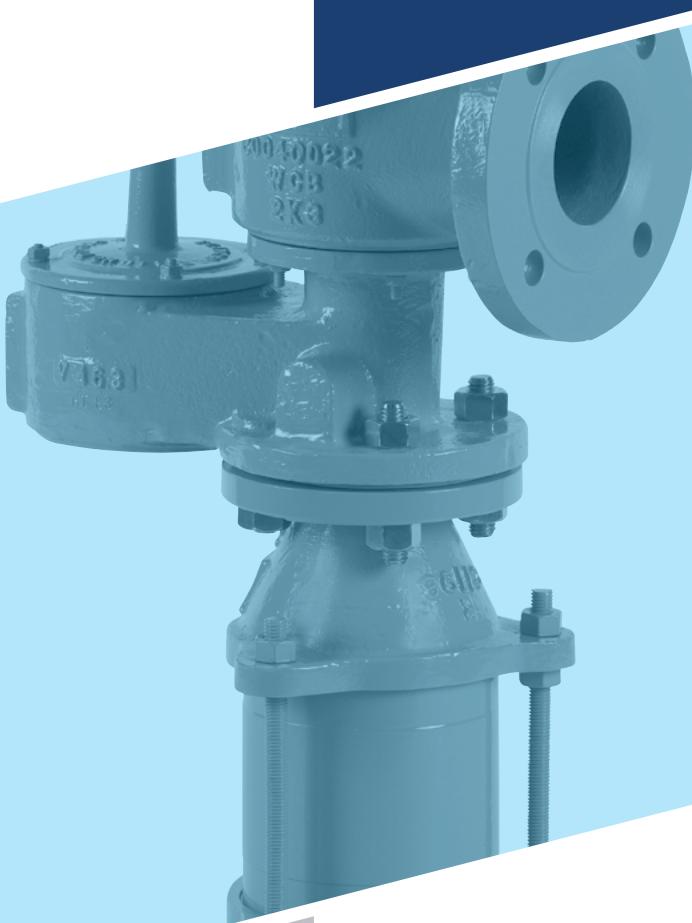




CORPORATION

PRESSURE/VACUUM VALVE & FLAME ARRESTER

MODEL 8820A



MODEL 8820A

The Groth Model 8820A Pressure/Vacuum Relief Valve & Flame Arrester are designed to protect your tank from damage created by overpressure or excessive vacuum, at the same time they provide protection from flame propagation. The result is reduced emission level and increased fire protection and safety.

Technical Details

- Sizes: 2" (DN 50) through 12" (DN 300)
- Pressure Settings 0.5oz/in² to 15 psig
- Vacuum Settings: 0.5 oz/in² to 12 psig
- Materials: Aluminum, Carbon Steel, Stainless Steel and other materials

Features

- Cushioned Air Seating
- Fluoropolymer seating diaphragms are standard to minimize sticking caused by resinous vapors and atmospheric moisture
- Self draining housing and drip rings
- Spiral-wound, crimped ribbon flame element
- Modular Construction

Options

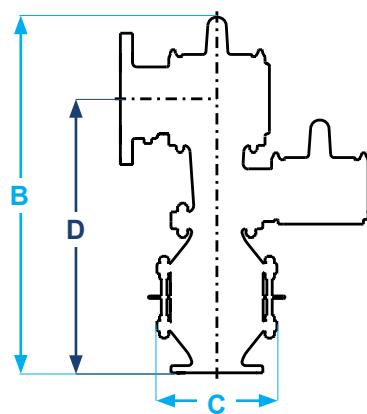
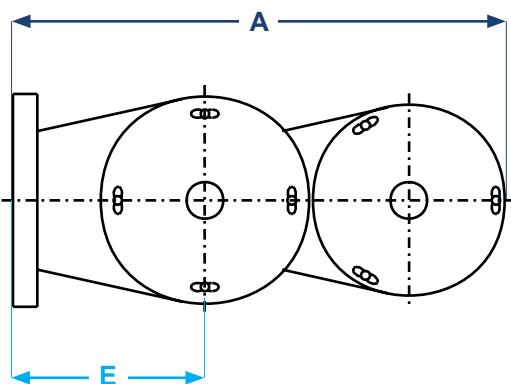
- Buna-N, Fluoropolymer, FKM



SPECIFICATIONS

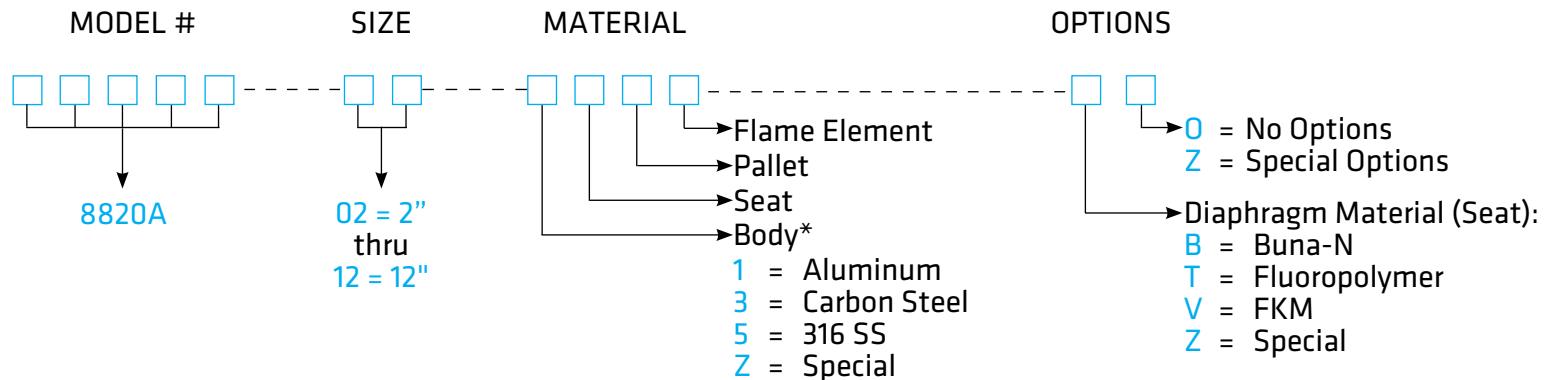
Inlet Flg [◊] In (mm)	Outlet Flg [◊] In (mm)	Max. Set Pressure Weight Loaded oz/in ² (gm/cm ²)	Max. Set Vacuum Weight Loaded oz/in ² (gm/cm ²)	Max. Setting Spring Loaded	Min. Setting Weight Loaded	Max. W.P. [†] for Min. Vacuum Setting	Min. Vac. Setting for Max. W.P. [†]	A Length In (mm)	B Height In (mm)	C Width In (mm)	D In (mm)	E In (mm)	Approx. Ship Al Wt. Lbs (kg)
2 (50)	3 (76)	11 (48.2)	12 (52.7)	See TPD2 for Vacuum Settings and MAWP	*0.5 oz/in ² WEIGHT LOADED (2.20 gm/cm ²)	14.25 (361)	26.62 (676)	8.75 (221)	20.25 (514)	5.50 (140)	45 (20)		
3 (80)	4 (102)	13 (57.0)	11 (48.3)			18 (457)	31.12 (790)	9.50 (241)	23.12 (588)	6 (152)	60 (27)		
4 (100)	6 (152)	16 (70.3)	11 (48.3)			19.25 (489)	37 (940)	11.50 (292)	26.75 (679)	6.50 (165)	90 (41)		
6 (150)	8 (203)	16 (70.3)	16 (70.3)			26.50 (673)	44.75 (1136)	16.50 (419)	31.50 (800)	8.50 (216)	160 (73)		
8 (200)	10 (254)	16 (70.3)	16 (70.3)			32.50 (826)	53.50 (1358)	21 (533)	37.37 (949)	10.75 (273)	270 (123)		
10 (250)	12 (305)	16 (70.3)	16 (70.3)			37.25 (959)	64.50 (1638)	24.75 (629)	45.25 (1149)	12.50 (318)	420 (190)		
12 (300)	14 (356)	16 (70.3)	16 (70.3)			42.75 (1086)	71.62 (1819)	28.62 (727)	50.12 (1273)	15 (381)	600 (273)		

[†]W.P. = Working Pressure. [‡]On spring loaded valves, change model number. [◊]150# R.F. drilling compatibility F.F. on aluminum and R.F. on carbon steel and stainless steel alloys. 16 oz/in² set with spacer. SS set weights-consult factory. *Some sizes require non-ferrous components to achieve 0.5 oz/in² setting.



HOW TO ORDER

For easy ordering, select proper model numbers



Notes

- Include model number and setting when ordering.
 - For special options, consult factory.
 - When ordering steam jacket, include steam pressure/temperature.
- * Stainless steel guides, stems are standard with aluminum and carbon steel bodies. Stainless steel seats standard with carbon steel bodies.

Example

Indicates a 2" Model 8820A with Aluminum Body and Seat, 316 SS Pallet, Fluoropolymer Seat Diaphragm, and no other options.



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