P627SX High Flow Slam-Shut

- Repeatable Accuracy at ~1 PSIG
- Manual Reset
- Tamper-Resistant Design

The P627SX is a safety device that will shut off in an overpressure condition. This overpressure protection device can be used as a standalone unit or in conjunction with another regulator. Complimentary to a pressure reducing regulator which controls pressure/flow at a pressure condition, the P627SX will shut off the flow at a preset pressure condition and remain closed until manually reset.

Applications

- Farm Tap
- Small Gate Stations
- Fuel Gas

P627SX Part Matrix

P627SX					0	
						Port Size
	06					¾"
	08					1"
	16					2"
						Spring Range PSIG
		020				5-20
		040				15-40
		080				35-80
		150				70-150
						Connection
			0			NPT
			A			150 #RF
			B			300 #RF
			C			600 #RF
			D			Socket Weld
			E			900 #RTJ
						Seat
				0		Nitrile
				2		Fluorocarbon
					0	
						Case/Body
					1	Steel/Steel

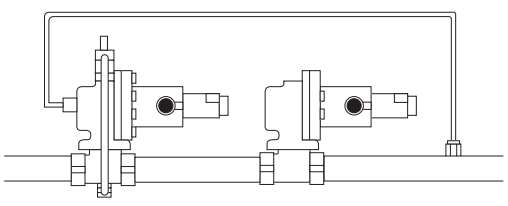
Materials of Construction

Body, Bonnet, Housing
Steel
Diaphragm
Nitrile or Fluorocarbon
Seat
Nitrile
Fluorocarbon
Orifice
Stainless Steel

Specifications

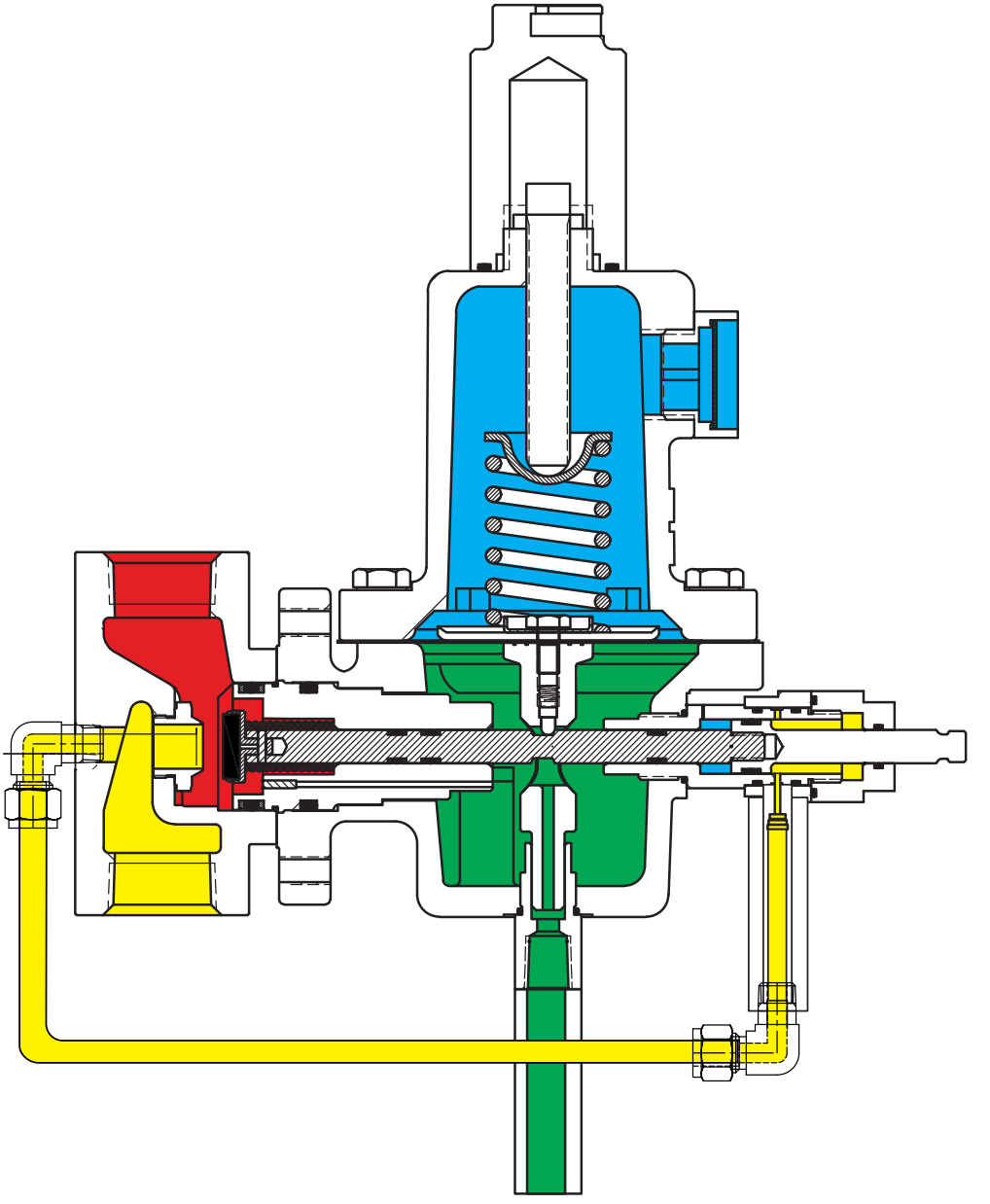
Maximum Inlet Pressure	
Nitrile Seat	1000 PSIG
Fluorocarbon Seat	300 PSIG
Orifice	
½"	
Body	
¾"	
1"	
2"	
Trip Range	
5-20 PSIG	
15-40 PSIG	
35-80 PSIG	
70-150 PSIG	
Temperature Range	
-20˚ to 200˚F (Nitrile)	
0˚ to 350˚F (Fluorocarbon)	

P627SX Installation Example



Orifice	¾" Body			1" Body			2" Body		
	C_g	C_v	C_1	C_g	C_v	C_1	C_g	C_v	C_1
½"	190	4.87	39	190	5.29	35.9	200	5.01	39.9

P627SX Color Map



Inlet Pressure
Outlet Pressure
Atmospheric Pressure
Sensing Pressure

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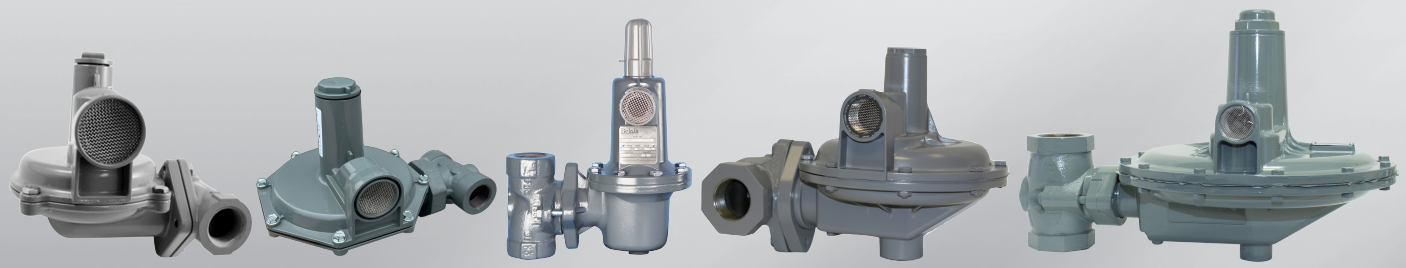

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