










Product Specifications – High Precision Pressure Regulators

	Standard (Pneumatic) Pressure Range				
					
	10	30	80D	81	1000
Flow Capacity - SCFM (m³/hr) @ Supply Pressure of 100 psig (700 kPa)	40 (68)	40 (68)	14 (24)	50 (85)	50 (85)
Exhaust Capacity - SCFM (m³/hr) Downstream pressure 5 psig (35 kPa) above 20 psig (150 kPa) set point	5.5 (9.4)	2.0 (3.4)	2.5 (4.2)	5.5 (9.4)	8 (13.6)
Sensitivity - inches of WC (cm of WC)	0.125 (0.32)	0.25 (0.63)	< 0.125 (< 0.32)	< 0.1 (< 0.254)	0.5 (1.27)
Supply Pressure Variation - psig (kPa) For Supply Pressure Change - psig (kPa)	<0.1 (<0.7) 100 psig (700 kPa)	<0.2 (<1.4) 100 psig (700 kPa)	< 0.2 (< 1.4) 100 psig (700 kPa)	< 0.2 (< 1.4) 100 psig (700 kPa)	< 0.1 (< 0.7) 100 psig (700 kPa)
Maximum Supply Pressure - psig (kPa)	500 (3500) ¹	250 (1700)	150 (1000)	150 (1000) ²	250 (1700)
Dimensions (Approx.) - Inches (mm)	Dia. 3" H 6½" (Dia. 76 H 165)	2½" x 1¾" x 5¼" (57 x 44 x 133)	2⅞" x 1¾" x 5⅜" (57 x 45 x 137)	Dia. 3" H 6¼" (Dia. 76 H 160)	2⅞" x 2⅞" x 5" (54 x 54 x 127)
Output Pressure Range - psig (kPa)	0-2 (0-15) 0-10 (0-70) 1-20 (7-150) 0.5-30 (3-200) 1-60 (7-400) 2-150 (15-1000) 3-200 (20-1500) 5-300 (35-2100) 5-400 (35-2800) 5-500 (35-3500) ¹	0-2 (0-15) 0-10 (0-70) 0.5-30 (3-200) 1-60 (7-400) 2-100 (15-700)	0-20 (0-150) 1-60 (7-400) 1-100 (7-700)	0-2 (0-15) ² 0-5 (0-35) ² 0-20 (0-150) 0.5-60 (3.5-400) 0.5-100 (3.5-700)	0.5-10 (3.5-70) 0.5-30 (3.5-200) 1-60 (7-400) 2-150 (15-1000)
Port Size (NPT, BSPT or BSPP)	¼", ⅜", ½"	¼", ⅜"	⅛", ¼", ⅜"	¼"	¼", ⅜"

¹ - Maximum Supply Pressure for 5-500 psig ("A" Range) is 525 psig (3620 kPa)

² - Maximum Supply Pressure for 0-2 & 0-5 psig ranges is 100 psig (700 kPa)

	Standard (Pneumatic) Pressure Range		Low Pressure	
				
	4000A	100	11	4100A
Flow Capacity - SCFM (m³/hr) @ Supply Pressure of 100 psig (700 kPa)	150 (255)	1500 (2550)	20 (34)	25 (42)
Exhaust Capacity - SCFM (m³/hr) Downstream pressure 5 psig (35 kPa) above 20 psig (150 kPa) set point	40 (65.2)	44 (75)	0.5 (0.85) ³	1.5 (2.55) ³
Sensitivity - inches of WC (cm of WC)	0.5 (1.27)	0.5 (1.27)	0.05 (0.127)	0.05 (0.127)
Supply Pressure Variation - psig (kPa) For Supply Pressure Change - psig (kPa)	< 0.1 (< 0.7) 100 psig (700 kPa)	< 0.5 (< 3.5) 100 psig (700 kPa)	< 0.01 (< 0.07) 100 psig (700 kPa)	< 0.01 (< 0.07) 100 psig (700 kPa)
Maximum Supply Pressure - psig (kPa)	250 (1700)	250 (1700)	150 (1000)	150 (1000)
Dimensions (Approx.) - Inches (mm)	Dia. 4½" H 8" (Dia. 114 H 203)	Dia. 5½" H 11¼" (Dia. 133 H 286)	Dia. 5¼" H 7⅜" (Dia. 133 H 180)	Dia. 8½" H 8⅝" (Dia. 216 H 220)
Output Pressure Range - psig (kPa)	0.5-10 (3.5-70) 0.5-30 (3.5-200) 1-60 (7-400) 2-150 (15-1000) 5-250 (35-1700)	0-10 (0-70) 0.5-30 (3.5-200) 1-60 (7-400) 2-100 (15-700) 2-150 (15-1000)	0-0.5 (0-3.5) 0-2 (0-15) 0-4 (0-30) 0-6 (0-40) 0-12 (0-80)	0-0.7 (0-4.8) 0-1.4 (0-9.7) 0-3 (0-21) 0-5 (0-35)
Port Size (NPT, BSPT or BSPP)	⅜", ½", ¾"	1", 1½"	¼", ⅜", ½"	⅜", ½", ¾"

³ - Downstream pressure is 0.1 psig (0.7 kPa) above 1.0 psig (7 kPa) set point