










Product Specifications – Volume Boosters

Industrial Process Volume Boosters						
						
	2000	20	4500A	4900A	200	200XLR
Flow Capacity - SCFM (m³/hr) @ Supply Pressure of 100 psig (700 kPa)	40 (68)	45 (76.5)	150 (255)	500 (850)	1500 (2550)	1500 (2550)
Exhaust Capacity - SCFM (m³/hr) Downstream pressure 5 psig (35 kPa) above 20 psig (150 kPa) set point	16 (27.2)	7.5 to 11 (12.8 to 18.7) Varies with ratio	40 (65.2)	100 (170)	65 (110.5)	325 (552.5)
Sensitivity - inches of WC (cm of WC)	< 1.0 (2.54)	0.25 to 1.50 (0.64 to 3.8) Varies with Ratio	1.0 to 3.0 (2.54 to 7.62) Varies with Ratio	0.25 (0.64)	1.0 (2.54)	1.0 (2.54)
Supply Pressure Variation - psig (kPa)	< 0.1 (< 0.7)	0.1 to 0.60 (0.7 to 4.0)	0.1 to 0.60 (0.7 to 4.0)	< 0.1 (< 0.7)	< 0.5 (< 3.5)	< 0.5 (< 3.5)
For Supply Pressure Change - psig (kPa)	100 psig (700 kPa)	Varies with Ratio	Varies with Ratio	100 psig (700 kPa)	100 psig (700 kPa)	100 psig (700 kPa)
Maximum Supply Pressure - psig (kPa)	250 (1700)	250 (1700)	250 (1700)	250 (1700)	250 (1700)	250 (1700)
Maximum Signal/Output Pressure - psig (kPa)	150 (1000)	Varies (See Data Sheet)	Varies (See Data Sheet)	150 (1000)	150 (1000)	150 (1000)
Dimensions (Approx.) - Inches (mm)	2" x 2" x 3¼" (54 x 54 x 83)	Dia 3" H 4¼" (Dia 76 H 114)	Dia. 4½" H 5¼" (Dia. 114 H 133)	Dia. 6½" H 8" (Dia. 165 H 204)	Dia. 5 ½" H 7⅞" (Dia. 140 H 200)	9½" x 5½" x 9 ¾" (241 x 140 x 248)
Signal / Output Ratio Available	1:1, 1:1.6	1:1, 1:2, 1:3, 1:4, 1:5, 1:6, 2:1, 3:1, 4:1, 5:1	1:1, 1:2, 1:3, 2:1, 3:1	1:1	1:1	1:1
Port Size (NPT, BSPT or BSPP)	¼", ¾"	¼", ⅜", ½"	⅜", ½", ¾"	¾", 1"	1", 1½"	1½"

	Back Pressure		Valve Automation Volume Boosters			
						
	20BP	4500ABP	20I	4500AI	4800A	200XLR
Flow Capacity - SCFM (m³/hr) @ Supply Pressure of 100 psig (700 kPa)	45 (76.5)	150 (255)	Cv 0.91 to Cv 0.95	Cv 2 to Cv 3	Cv 5 to Cv 9	Cv 18
Exhaust Capacity - SCFM (m³/hr) Downstream pressure 5 psig (35 kPa) above 20 psig (150 kPa) set point	Not Applicable	Not Applicable	Cv 0.26	Cv 2 to Cv 3.5	Cv 5 to Cv 9	Cv 18
Sensitivity - inches of WC (cm of WC)	0.25 to 0.75 (0.64 to 1.92) Varies with Ratio	1.0 (2.54)	Adjustable by By-Pass Valve	Adjustable by By-Pass Valve	Adjustable by By-Pass Valve	Adjustable by By-Pass Valve
Supply Pressure Variation - psig (kPa) For Supply Pressure Change - psig (kPa)	Not Applicable	Not Applicable	< 0.1 (< 0.7) 100 psig (700 kPa)	< 0.1 (< 0.7) 100 psig (700 kPa)	< 0.1 (< 0.7) 100 psig (700 kPa)	< 0.5 (< 3.5) 100 psig (700 kPa)
Maximum Supply Pressure - psig (kPa)	Not Applicable	Not Applicable	250 (1700)	250 (1700)	250 (1700)	250 (1700)
Maximum Signal/Output Pressure - psig (kPa)	Varies (See Data Sheet)	Varies (See Data Sheet)	150 (1000)	150 (1000)	150 (1000)	150 (1000)
Dimensions (Approx.) - Inches (mm)	Dia 3" H 4¼" (Dia 76 H 114)	Dia. 4½" H 5¼" (Dia. 114 H 133)	Dia 3" H 4¼" (Dia 76 H 114)	Dia. 4½" H 5¼" (Dia. 114 H 133)	Dia. 6½" H 8" (Dia. 165 H 204)	9½" x 5½" x 9 ¾" (241 x 140 x 248)
Signal / Output Ratio Available	1:1, 1:2, 1:3	1:1	1:1	1:1	1:1	1:1
Port Size (NPT, BSPT or BSPP)	¼", ⅜", ½"	⅜", ½", ¾"	¼", ⅜", ½"	⅜", ½", ¾"	¾", 1"	1½"