



The Widest Range of Products for Diverse Market Applications

For over 60 years, Fairchild Industrial Products Company has maintained an excellent reputation as a manufacturer of precision, high quality, pneumatic, and electro-pneumatic controls.

Our line of industrial control products offers one of the largest varieties of precision pneumatic and electro-pneumatic control devices available for process, machine tool, robotic and OEM applications. Our developing technology in four main product groups pneumatic pressure regulators, volume boosters, relays and electro-pneumatic transducers has been the basis for our growth and leadership.

Fairchild Industrial Products Company is ISO 9001 approved. We are authorized to display the CE mark on our electro-pneumatic products.



Many of our electro-pneumatic products are also approved for intrinsically safe, explosion-proof, and NEMA 4X (IP65) ratings by FM, CSA and ATEX.

Our worldwide network of stocking distributors can assist you with application support at the local level. At the factory, our applications engineering staff can solve your problems with new or existing applications. We can work with your plant and design engineers to develop a custom product to suit a specific application.

At Fairchild Industrial Products Company, we have built our reputation on providing quality products, excellent customer service, quick delivery, and immediate response to customer emergencies.

	Oil & Gas	Chemical	Pharmaceutical	Industrial Automation	Medical/ Biotech	Food & Beverage	Power Generation	Pulp & Paper	Automotive	Textile Manufacturing
I/P and E/P Transducers and Actuators	T6000 T7800 PAX1 TXI7800	T5200 T6000 TXI7800 T9000 PAX1	T5700 T6000 T7800 TXI7800	T5220 T6000	T5700 T6000 T7800 TXI7800	T5220 T5700 T6000 T7800 TXI7800 T8000	T7800 TXI7800 T8000 PAX1	T5220 T5221 T6000 T7800 TXI7800 T8000 T9000	T5200 T5220 T6000 T7800 T9000	T5700 T6000 T7800 TXI7800
Pressure Regulators	10 10BP 63 65 100 PAX1	10BP 63 65 81 PAX1	55 65 66 66BP 70B 81 1600A	10 16 30 65A 70 81 1000 1600A 4000A	55 65	10 30 65 200 2000 4000A	63 65 PAX1	10 16 30 65 70 80 81 85 100 1000 2800 4000A	10 16 30 65 70 80 81 1000 1600A 4000A	10 30 64
Pneumatic Relays	14 24 90 91	24	24	-	15	14 24	-	14 15 21 22 25 90 91 1500 2500	90 91	14 15 21
Volume boosters	20 200 200XLR 4500A 4800A	20 200 4500A 4800A	20 200 4500A	4500A 4900A	20 4500A 4900A	20	20 200 4500A 4800A	20 200 2000 4500A	20 200 4500A 4900A	20 4500A

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 / Outuput 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	200XLRI
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	Cv0.26	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 / Outuput 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"