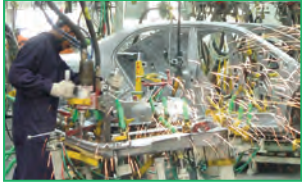


Industrial Automation



Clean Room Air Pressure/ Temperature Control, Fuel Valve Control, Inflation and Test Pressure, Heat-treating Furnace, Injection Mold Control, Pick and Place Robot, Robot Spray Gun, Test Equipment - Manual and Automated, and Weld Pressure Cylinder Control.

Medical/Biotech



Biotherapeutic Delivery Devices, Damper Control, Heart/Shunt Devices, Fluid Testing, Hyperbaric Chambers, Infant Respirators, Microfluidics, Protein Crystallization, Gas Management, Tank Blanketing, Valve Control, and Ventilatory Systems.

Food & Beverage



Constant Voltage Control, Controlled Air Pressure, Corrosive Material, Distillation Process, Fill Systems, Heat Exchanger Control, Hopper Blanket, Product Dispensing Control, and Valve Control - Flow and Temperature.

Power Generation



Absorption Distillation, Air Purification/ Treatment Analyzer Sampling Systems, Damper Control, Condition Monitoring, Emission Control, Feed Pump Control, Pneumatic Pump Control, Purification Process Control, Steam Process Control, Tank Level Gage and Valve Control.

Pulp & Paper



Brakes - Wind/Unwinds Stands, Damper Control, Edge Guiding, Fiber Stock Forming, Ink Jet Marking Systems, Machine Control, Paper Machinery Felt Guide, Wet Side Sheet Forming, Tension Control, Valve Control, Waste Water Flow Control and Web Tension Control.

Automotive



Concentric Testing, Data Acquisition, Inspection/Gaging, High Pressure Steam Temperature Control, Paint and Finishing Systems, Robotics, Tire Molding, Uniformity Testing, Web Tension and Welding.

Textile Manufacturing



Brakes - Wind/Rewind, Dye Application, Hopper Blanket, Machine Control, Pneumatic Pump Control, Pressure Control, Tank Refill, Waste Water Flow Control, Web Guide and Web Tension Roll & Stand Brake.

I/P and E/P Transducers	Pressure Regulators	Pneumatic Relays	Volume Boosters
T5220, T6000	10, 16, 30, 65A, 70, 81, 1000, 1600A, 4000A		4500A
T5700, T6000, T7800, TXI7800	50, 65, 2400 Series	15	20, 4500A
T5220, T5700, T6000, T7800, TXI7800, T7900, T7950, T8000	10, 30, 65A, 200, 2000, 4000A	14, 24	20
T7800, TXI7800, T8000	63, 65A, 2400 Series		20, 200, 4500A
T5220, T5221, T6000, T7800, TXI7800, T7900, T7950, T8000	10, 16, 30, 65A, 70, 80, 81, 85, 100, 1000, 2800, 4000A	14, 15, 21, 22, 25, 90, 91, 1500, 2500	20, 200, 2000, 4500A
T5200, T5220, T6000, T7800, T7900, T7950	10, 16, 30, 65A, 70, 80, 81, 1000, 1600A, 4000A	90, 91	20, 200, 4500A
T5700, T6000, T7800, TXI7800	10, 30, 64A	14, 15, 21	20, 4500A



72 Hi-Performance Mini Regulator	81 High Flow Precision Two-Stage Regulator	100 High Flow Regulator	1000 No Bleed Design Regulator	1600A High Flow Vac- uum Reg.	2400 Motorized Lock-In Position Reg.	4000A High Flow No Bleed Design Reg.
2.5 (4.25)	50 (85)	1500 (2550)	50 (85)	28 (48) @ 29" Vacuum w/inlet port open 150 (255) Positive Flow	Up to 50 (85)	150 (255)
0.28 (0.48)	5.5 (9.4)	44 (75)	8 (13.6)	20 (34)	5.5 (9.4)	40 (65.2)
N/A	<0.1 (<0.254)	0.5 (1.27)	0.5 (1.27)	1.0 (2.54)	<0.1 to 0.125 (0.25 to 0.32)	0.5 (1.27)
<0.025 (<0.35) 5 psig	<0.2 (<1.4) 100 psig	<0.5 (<3.5) 100 psig	<0.1 (<0.7) 100 psig	<0.1 (<0.7) 100 psig	<0.1 (<0.7)	<0.1 (<0.7) 100 psig
250 (1700)	2 & 5 psig range 100 (700) All other ranges 150 (1000)	250 (1700)	250 (1700)	250 (1700)	Up to 500 (3500)	250 (1700)
Dia. 1 H 3 3/16 (Dia. 22 H 81)	Dia. 3 H 6 1/4 (Dia. 76 H 159)	Dia. 5 1/2 H 11 1/4 (Dia. 133 H 286)	2 1/8 x 2 1/8 x 5 (54 x 54 x 127)	Dia. 4 1/2 H 9 1/2 (114 x 241)	Dia. 4 1/2 H 12 5/8 (Dia. 114 x 321)	Dia. 4 1/2 H 8 (Dia. 114 x 203)
0-5 (0-35), 0-15 (0-100), 0.5-30 (3-200), 1-60 (10-400), 2-100 (15-700)	0-2 (0-14), 0-5 (0-35), 0-20 (0-150), 0.5-60 (3.5-400), 0.5-100 (3.5-700)	0-10 (0-70), 0.5-30 (3-200), 1-60 (10-400), 2-100 (15-700), 2-150 (15-1000)	0.5-10 (3.5-70), 0.5-30(3.5-200), 1-60 (7-400), 2-150 (15-1000)	Vacuum-10 (Vacuum-70), Vacuum-30 (Vacuum-200), Vacuum-150 (Vacuum-1000)	Numerous (See Catalog pages)	0.5-10 (3.5-70), 0.5-30 (3.5-200), 1-60 (7-400), 2-150 (14-1000), 5-250 (35-1700)
1/16"	1/4"	1", 1 1/2"	1/4", 3/8"	3/8" x 1/2" x 3/4"		1/4", 3/8", 1/2"



25 Reversing Relay	85D Two-Stage Biasing Relay	1500A High Flow Positive Bias Relay	2500A High FLOW Bias Reversing Relay	90 Low Pressure Selector Relay	91 High Pressure Selector Relay
40 (68)	14 (23.8)	150 (255)	150 (255)	Note 2	Note 2
11 (18.7)	2.5 (4.25)	40 (68)	40 (68)	Note 2	Note 2
.13 (.32)	N/A	1.0 (2.54)	1.0 (2.54)	Note 2	Note 2
250 (1700)	250 (1700)	250 (1700)	250 (1700)	Note 2	Note 2
150 (1000)	150 (1000)	150 (1000)	150 (1000)	200 (1400)	200 (1400)
150 (1000)	150 (1000)	150 (1000)	150 (1000)	200 (1400)	200 (1400)
Dia. 3 H 7 1/2 (Dia. 76 H 191)	1 3/4 x 1 3/4 x 5 (44 x 44 x 127)	Dia. 4 1/2 x 8 1/2 (Dia. 114 H 216)	Dia. 4 1/2 x 8 1/2 (Dia. 114 H 216)	Dia. 3 H 1 3/4 (Dia. 76 H 44)	Dia. 3 H 1 3/4 (Dia. 76 H 44)

Note 2: Switching Differential: +0.1 PSID (<0.7); max.differential between signals: 100 PSID (700)

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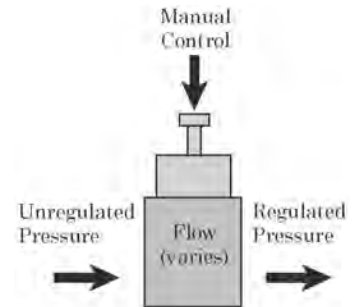
Pneumatic Pressure Regulators



A pressure regulator reduces an unregulated high input pressure to a regulated lower output pressure. Its primary function is to maintain the regulated output pressure under flowing and non-flowing conditions.

Fairchild manufactures a complete line of precision pneumatic regulators including positive pressure, back pressure and vacuum models. Quality engineering and manufacturing excellence assures that our pressure regulators meet all the requirements of a precision device including:

- Pressure accuracy
- Supply pressure immunity
- Low output droop
- Sensitivity
- Drift-free settings



Our large selection of pressure ranges and flow capacities lets you select the models that meet your needs for instrument or general industrial control applications. Fairchild pressure regulator models are:

- | | | | | |
|---------------------|--------------|--------|----------------|---------|
| • 10 Series / 10 BP | • 63 | • 80D | • 1600A | • 3400 |
| • 16 | • 64A, 65A | • 81 | • 24CC, 24CS | • 4000A |
| • 30 Series / 30BP | • 66 / 66 BP | • 100 | • 24XFC, 24XFS | |
| • 50 / 50 BP | • 70B | • 1000 | • 2800 | |

Pneumatic Relays



Pneumatic relays perform mathematical functions on one or more input signals that result in a single regulated pneumatic output including:

- Average
- Sum

Fairchild pneumatic relays meet all the requirements of a precision device including:

- Accuracy
- Sensitivity
- Fast response

Fairchild pneumatic relay models are:

- | | | |
|------|-------|---------|
| • 14 | • 24 | • 91 |
| • 15 | • 25 | • 1500A |
| • 21 | • 85D | • 2500A |
| • 22 | • 90 | |

