

B34 Commercial & Industrial Regulator - Models - N, R, M, & D

5 PSIG (345 mbar) - Capacity Table (2% Absolute Droop)*

Red Nested Spring (762671)
Position 11
2" NPT Outlet

Capacities in scfh (m³/hr) - Orifice Size

Inlet Pressure PSIG (Bar)	1/4" (6.35 mm)	1/4" x 3/8" (6.35 x 9.52 mm)	3/8" (9.52 mm)	3/8" x 1/2" (9.52 x 12.7 mm)	1/2" (12.7 mm)	1/2" x 5/8" (12.7 x 15.9 mm)
10 (0.69)	800 (22.40)	950 (26.60)	1000 (28.00)	1200 (33.60)	1300 (36.40)	1550 (43.40)
20 (1.38)	1100 (30.80)	1600 (44.80)	1700 (47.60)	2300 (64.40)	2750 (77.00)	2850 (79.80)
30 (2.07)	1500 (42.00)	2100 (58.80)	2200 (61.60)	2800 (78.40)	3300 (92.40)	3500 (98.00)
40 (2.76)	2000 (56.00)	2400 (67.20)	2700 (75.60)	3900 (109.20)	4300 (120.40)	5000 (140.00)
50 (3.45)	2500 (70.00)	3250 (91.00)	3400 (95.20)	4800 (134.40)	5700 (159.60)	7000 (196.00)
60 (4.14)	2800 (78.40)	4000 (112.00)	4500 (126.00)	5500 (154.00)	6500 (182.00)	7500 (210.00)
70 (4.83)	2900 (81.20)	4200 (117.60)	4600 (128.80)	5700 (159.60)	7300 (204.40)	8600 (240.80)
80 (5.52)	3100 (86.80)	4500 (126.00)	4800 (134.40)	8200 (229.60)	8600 (240.80)	9500 (266.00)
90 (6.21)	3600 (100.80)	5300 (148.40)	5700 (159.60)	9000 (252.00)	10000 (280.00)	15000 (420.00)
100 (6.90)	4100 (114.80)	6000 (168.00)	6500 (182.00)	10200 (285.60)	11000 (308.00)	15900 (445.20)
125 (8.63)	4900 (137.20)	6800 (190.40)				


Change in outlet for a 10 PSIG (0.69 Bar) inlet change	0.02 PSIG (1.38 mbar)	0.02 PSIG (1.38 mbar)	0.02 PSIG (1.38 mbar)	0.02 PSIG (1.38 mbar)	0.03 PSIG (2.07 mbar)	0.03 PSIG (2.07 mbar)
Increase in outlet pressure required for no flow	0.05 PSIG (3.45 mbar)	0.05 PSIG (3.45 mbar)	0.07 PSIG (4.83 mbar)	0.07 PSIG (4.83 mbar)	0.07 PSIG (4.83 mbar)	0.07 PSIG (4.83 mbar)

5 PSIG (345 mbar) - Capacity Table (2% Absolute Droop) - Continued*

Capacities in scfh (m³/hr) - Orifice Size

Inlet Pressure PSIG (Bar)	5/8" (15.9 mm)	5/8" x 3/4" (15.9 x 19.1 mm)	3/4" (19.1 mm)	3/4" x 7/8" (19.1 x 22.2 mm)	7/8" (22.2 mm)	7/8" x 1" (22.2 x 25.4 mm)
10 (0.69)	1600 (44.80)	2000 (56.00)	2200 (61.60)	2300 (64.40)	2450 (68.60)	2500 (70.00)
20 (1.38)	3000 (84.00)	3500 (98.00)	3800 (106.40)	4000 (112.00)	4300 (120.40)	4500 (126.00)
30 (2.07)	4100 (114.80)	4400 (123.20)	4500 (126.00)	5700 (159.60)	6800 (190.40)	7200 (201.60)
40 (2.76)	5300 (148.40)	6400 (179.20)	7000 (196.00)	7500 (210.00)	8000 (224.00)	10500 (294.00)
50 (3.45)	7200 (201.60)	7500 (210.00)	8300 (232.40)	9500 (266.00)	10600 (296.80)	11500 (322.00)
60 (4.14)	8800 (246.40)	13300 (372.40)	15000 (420.00)	15800 (442.40)	16500 (462.00)	17000 (476.00)
70 (4.83)						
80 (5.52)						
90 (6.21)						
100 (6.90)						
125 (8.63)						

Change in outlet for a 10 PSIG (0.69 Bar) inlet change	0.03 PSIG (2.07 mbar)	0.03 PSIG (2.07 mbar)	0.03 PSIG (2.07 mbar)	0.03 PSIG (2.07 mbar)	0.03 PSIG (2.07 mbar)	0.03 PSIG (2.07 mbar)
Increase in outlet pressure required for no flow	0.07 PSIG (4.83 mbar)	0.07 PSIG (4.83 mbar)	0.07 PSIG (4.83 mbar)	0.07 PSIG (4.83 mbar)	0.08 PSIG (5.52 mbar)	0.09 PSIG (6.21 mbar)

 Inlet pressure is too low to deliver 5 PSIG (345 mbar)

 Do not use this orifice size at this inlet pressure

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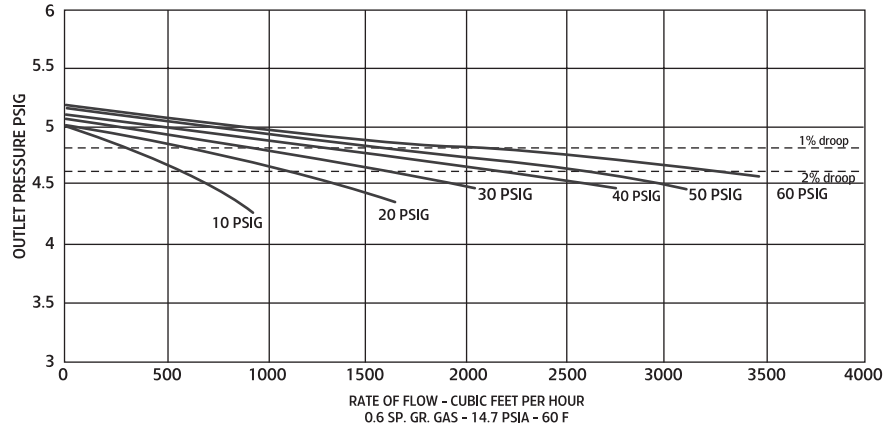
5 PSIG (69 mbar)

Typical Performance Curves

Manufacturer:	Actaris
Type and Model:	B34R
Regulator:	Inlet Size 2" NPT
	Outlet Size 2" NPT
	Orifice Size 1/4" x 3/8"
	Spring Red-Nested

Set Point 5 PSIG with 40 PSIG inlet @ 200 scfh.
All test results are reported at a base of 14.7 PSIA and 60 F.

B34 REGULATOR PERFORMANCE - 5 PSIG SET POINT



Relief Curves

Manufacturer:	Actaris
Type and Model:	B34R
Regulator:	Inlet Size 2" NPT
	Outlet Size 2" NPT
	Vent Size 1" NPT

Set Point 5 PSIG with 40 PSIG inlet @ 200 scfh.
All test results are reported at a base of 14.7 PSIA and 60 F.

B34R RELIEF CURVES-BLOCKED OPEN - 5 PSIG SET POINT

