

# B42 SERIES RESIDENTIAL REGULATOR, MODELS N AND R

## 14" w.c. (34 mbar) Capacity Table (2" Droop\*), 3/4" Outlet Valve Body

Capacities in SCFH of 0.6 S.G. gas; base conditions of 14.7 PSIA and 60° F.

### Typical Capacity Info.

<b>Model</b>	B42 N, R
Inlet size	3/4" NPT
Outlet size	3/4" NPT
Spring color	Silver

Inlet Pressure		Orifice Size								
		PSIG	BAR	1/8"	1/8 x 3/16"	3/16"	1/4"	5/16"	3/8"	1/2"
1	0.069	-	-	-	105 (3.0)	270 (7.6)	230 (6.5)	365 (10.3)	420 (11.9)	
2	0.1	-	100 (2.8)	220 (6.2)	300 (8.5)	385 (10.9)	450 (12.7)	550 (15.6)	590 (16.7)	
3	0.2	95 (2.7)	110 (3.1)	270 (7.6)	445 (12.6)	445 (12.6)	515 (14.6)	650 (18.4)	720 (20.4)	
5	0.4	150 (4.2)	280 (7.9)	390 (11.0)	540 (15.3)	625 (17.7)	740 (21.0)	880 (24.9)	930 (26.3)	
10	0.7	360 (10.2)	390 (11.0)	570 (16.1)	820 (23.2)	960 (27.2)	1100 (31.1)	1225	1270 (36.0)	
15	1.0	460 (13.0)	500 (14.2)	780 (22.1)	1070 (30.3)	1250 (35.4)	1350 (38.2)			
20	1.4	560 (15.9)	590 (16.7)	1000 (28.3)	1320 (37.4)	1425 (40.4)	1575 (44.6)			
30	2.1	740 (21.0)	750 (21.2)	1320 (37.4)	1640 (46.4)	1750 (49.6)				
40	2.8	910 (25.8)	920 (26.1)	1600 (45.3)	1950 (55.2)					
50	3.5	1050 (29.7)	1100 (31.1)	1800 (51.1)	2080 (58.9)					
60	4.1	1230 (34.8)	1260 (35.7)	1950 (55.2)	2200 (62.3)					
80	5.5	1550 (43.9)	1550 (43.9)	2000 (56.6)						
100	6.9	1640 (46.4)	1880 (53.2)	2000 (56.6)						
125	8.6	2150 (60.9)	2150 (60.9)	2150 (60.9)						


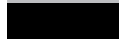
Inlet Effect A (inches w.c.)	0.2	0.4	0.4	0.5	0.7	0.7	2.3	2.3
Lock Up B (inches w.c.)	0.6	0.6	0.7	0.8	0.9	1.0	1.3	1.3

### Notes:

A. Change in outlet pressure for 10 PSIG inlet pressure change.

B. Outlet pressure increase required for lock up.

\*Individual regulator performance may vary from data shown.

-  Complies with ANSI Z21.80/CSA 6.22 Class I
-  Do not operate orifice in shaded inlet pressure area.