

Pressure Specifications				Enclosure Type	
Adjustable Operating Range [in. Hg Vacuum...psi]‡	Adjustable Differential [psi] (Approximate Mid-Range Values)	Maximum psi		Type 4 & 13	Type 7 & 9 and 4 & 13Δ
		Line Pressure	Occasional Surge Pressure§	Cat. No.	Cat. No.
30 Vacuum...75	2...20♣	160	160	836-A1J	836-A1E
6...140	3...35	280	340	836-A2J	836-A2E
12...250	6...65	500	600	836-A3J	836-A3E
16...375	8...95	750	850	836-A4J	836-A4E

★ Copper alloy bellows may be used on water or air, and other liquids or gases not corrosive to this alloy.

‡ For applications where settings approach 0 psi, select a control that has an adjustable range that goes into vacuum.

§ Transients (pulses) can occur in a system prior to reaching a steady-state condition. Surge pressures within published values generated during startup or shutdown of a machine or system, not exceeding eight times in a 24-hour period, are negligible.

♣ To determine differential in inches of mercury vacuum multiply value in table by 2.036 (or approximately 2).

Δ The combined Type 7 & 9 and 4 & 13 Hazardous Gas and Dust service enclosure is supplied with special gasket and O-ring seal to diminish/exclude moisture, fluids, and dust from entering the enclosure. Enclosures rated 7 & 9 only are not designed to restrict moisture from entering the enclosure, which is common to outdoor service. Enclosure is rated for the following environments:
CLASS I Groups C,D
CLASS II Groups E,F,G
CLASS III

Style C External Bellows —
Copper Alloy Bellows★ With 1/4 in. N.P.T.F. Internal Pipe Connection

Standard pressure controls shipped from the factory are set at the maximum operating range and minimum differential. For more information on standard pressure control settings and customer-specified pressure control settings, consult your local Rockwell Automation sales office or Allen-Bradley distributor.



Style C External Bellows —
Copper Alloy, Type 1 With Pilot Light Option



Style C External Bellows —
Copper Alloy, Type 4 & 13

Pressure Specifications				Enclosure Type		
Adjustable Operating Range [in. Hg Vacuum...psi]‡	Adjustable Differential [psi] (Approximate Mid-Range Values)	Maximum psi		Open Type (Without Enclosure)	Type 1	Type 4 & 13
		Line Pressure	Occasional Surge Pressure§	Cat. No.	Cat. No.	Cat. No.
12 in. Vacuum...8♦	0.2...2.5♣	25	30	836-C1	836-C1A	—
30 in. Vacuum...10	0.4...6♣	65	75	836-C2	836-C2A	836-C2J
0.8...30	0.5...6	80	80	836-C3	836-C3A	836-C3J

30 in. Vacuum...45	1...12♣	175	190	836-C4	836-C4A	836-C4J
2...80	1...12	190	210	836-C5	836-C5A	836-C5J
30 in. Vacuum...100	2...25♣	300	375	836-C6	836-C6A	836-C6J
4...150	2.5...25	300	375	836-C7	836-C7A	836-C7J
6...250	4...45	500	650	836-C8	836-C8A	836-C8J
35...375	6...80	900	1200	836-C9	836-C9A	836-C9J
50...500	12...115	1300	1600	836-C10	836-C10A	836-C10J
50...650	16...115	1300	1600	836-C11	836-C11A	836-C11J
200...900	25...115	1300	1600	836-C12	836-C12A	836-C12J

Style C External Bellows — Copper Alloy Bellows★ With 1/4 in. N.P.T.F. Internal Pipe Connection

Standard pressure controls shipped from the factory are set at the maximum operating range and minimum differential.

Pressure Specifications				Enclosure Type	
Adjustable Operating Range [in. Hg Vacuum...psi]‡	Adjustable Differential [psi] (Approximate Mid-Range Values)	Maximum psi		Type 4X	Type 7 & 9 and 4 & 13Δ
		Line Pressure	Occasional Surge Pressures§	Cat. No.	Cat. No.
12 in. Vacuum...8♦	0.2...2.5♣	25	30	—	—
30 in. Vacuum...10	0.4...6♣	65	75	836-C2S	836-C2E
0.8...30	0.5...6	80	80	836-C3S	836-C3E
30 in. Vacuum...45	1...12♣	175	190	836-C4S	836-C4E
2...80	1...12	190	210	836-C5S	836-C5E
30 in. Vacuum...100	2...25♣	300	375	836-C6S	836-C6E
4...150	2.5...25	300	375	836-C7S	836-C7E
6...250	4...45	500	650	836-C8S	836-C8E
35...375	6...80	900	1200	836-C9S	836-C9E
50...500	12...115	1300	1600	836-C10S	836-C10E
50...650	16...115	1300	1600	836-C11S	836-C11E
200...900	25...115	1300	1600	836-C12S	836-C12E

★ Copper alloy bellows may be used on water or air, and other liquids or gases not corrosive to this alloy.

‡ For applications where settings approach 0 psi, select a control that has an adjustable range that goes into vacuum.

§ Transients (pulses) can occur in a system prior to reaching a steady-state condition. Surge pressures within published values generated during startup or shutdown of a machine or system, not exceeding eight times in a 24-hour period, are negligible.

♣ To determine differential in. Hg vacuum, multiply value in table by 2.036 (or approximately 2).

Δ The combined Type 7 & 9 and 4 & 13 Hazardous Gas and Dust service enclosure is supplied with special gasket and O-ring seal to diminish/exclude moisture, fluids, and dust from entering the enclosure. Enclosures rated 7 & 9 only are not designed to restrict moisture from entering the enclosure, which is common to outdoor service. Enclosure is rated for the following environments:

CLASS I Groups C, D
CLASS II Groups E, F, G
CLASS III

♦ With 3/8 in. N.P.S.F. internal pipe connection.