



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



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

**Style C External Bellows —
 Copper Alloy Bellows^① With 1/4" N.P.T.F. Female Pipe Connection**

| Pressure Specifications | | | | Enclosure Type | | | | | |
|---|--|------------------|-----------------------------------|-----------------------------------|---|-------------------|---|-------------------|---|
| Adjustable Operating Range Hg Vac. to psi ② | Adjustable Differential psi (Approximate Mid-Range Values) | Maximum psi | | Open Type Without Enclosure | | Type 1 | | Type 4 & 13 | |
| | | Line Pressure | Occasional Surge Pressure ③ | Catalog Number | * | Catalog Number | * | Catalog Number | * |
| 12" Vac. to 8 ④ | 0.2 to 2.5 | 25 | 30 | 836-C1 | | 836-C1A | | — | |
| 30" Vac. to 10 | 0.4 to 6 | 65 | 75 | 836-C2 | | 836-C2A | | 836-C2J | |
| 0.8 to 30 | 0.4 to 6 | 80 | 80 | 836-C3 | | 836-C3A | | 836-C3J | |
| 30" Vac. to 45 | 1 to 12 | 175 | 190 | 836-C4 | | 836-C4A | | 836-C4J | |
| 2 to 80 | 1 to 12 | 190 | 210 | 836-C5 | | 836-C5A | | 836-C5J | |
| 30" Vac. to 100 | 2 to 25 | 300 | 375 | 836-C6 | | 836-C6A | | 836-C6J | |
| 4 to 150 | 2 to 25 | 300 | 375 | 836-C7 | | 836-C7A | | 836-C7J | |
| 6 to 250 | 4 to 45 | 500 | 650 | 836-C8 | | 836-C8A | | 836-C8J | |
| 35 to 375 | 6 to 80 | 900 | 1200 | 836-C9 | | 836-C9A | | 836-C9J | |
| 50 to 500 | 12 to 115 | 1300 | 1600 | 836-C10 | | 836-C10A | | 836-C10J | |
| 50 to 650 | 16 to 125 | 1300 | 1600 | 836-C11 | | 836-C11A | | 836-C11J | |
| 200 to 900 | 25 to 125 | 1300 | 1600 | 836-C12 | | 836-C12A | | 836-C12J | |

**Style C External Bellows —
 Copper Alloy Bellows^① With 1/4" N.P.T.F. Female Pipe Connection**

| Pressure Specifications | | | | Enclosure Type | | | |
|--|---|------------------|-----------------------------------|-------------------|---|-------------------------|---|
| Adjustable Operating Range Hg Vac. to psi ② | Adjustable Differential psi (Approximate Mid-Range Values) | Maximum psi | | Type 4X | | Type 7 & 9 and 4 & 13 ⑤ | |
| | | Line Pressure | Occasional Surge Pressure ③ | Catalog Number | * | Catalog Number | * |
| 12" Vac. to 8 ④ | 0.2 to 2.5 ⑤ | 25 | 30 | — | | — | |
| 30" Vac. to 10 | 0.4 to 6 ⑤ | 65 | 75 | 836-C2S | | 836-C2E | |
| 0.8 to 30 | 0.4 to 6 | 80 | 80 | 836-C3S | | 836-C3E | |
| 30" Vac. to 45 | 1 to 12 ⑤ | 175 | 190 | 836-C4S | | 836-C4E | |
| 2 to 80 | 1 to 12 | 190 | 210 | 836-C5S | | 836-C5E | |
| 30" Vac. to 100 | 2 to 25 ⑤ | 300 | 375 | 836-C6S | | 836-C6E | |
| 4 to 150 | 2 to 25 | 300 | 375 | 836-C7S | | 836-C7E | |
| 6 to 250 | 4 to 45 | 500 | 650 | 836-C8S | | 836-C8E | |
| 35 to 375 | 6 to 80 | 900 | 1200 | 836-C9S | | 836-C9E | |
| 50 to 500 | 12 to 115 | 1300 | 1600 | 836-C10S | | 836-C10E | |
| 50 to 650 | 16 to 125 | 1300 | 1600 | 836-C11S | | 836-C11E | |
| 200 to 900 | 25 to 125 | 1300 | 1600 | 836-C12S | | 836-C12E | |

- ① Copper alloy bellows may be used on water or air, and other liquids or gases not corrosive to this alloy.
- ② For applications where settings approach 0 psi, select a control that has an adjustable range that goes into vacuum.
- ③ Transients (pulses) can occur in a system prior to reaching a steady-state condition. Surge pressures within published values generated during start-up or shut-down of a machine or system, not exceeding 8 times in a 24 hour period, are negligible.
- ④ With 3/8" N.P.S.F. female pipe connection.
- ⑤ To determine differential in inches of mercury vacuum multiply valve in table by 2.036 (or approximately 2).
- ⑥ 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.