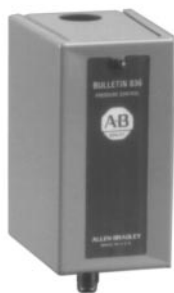


# Pressure Controls

## Style A Internal Bellows – Copper Alloy



Style A Internal Bellows —  
Copper Alloy, Type 1



Style A Internal Bellows —  
Copper Alloy, Type 4 & 13

### Style A Internal Bellows — Copper Alloy Bellows<sup>①</sup> With 7/16" – 20 SAE Flare for 1/4" Copper Tubing 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	
		Line Pressure	Occasional Surge Pressure ③	Catalog Number	*	Catalog Number	*
30" Vac. to 75	2 to 20 ④	160	160	836-A1		836-A1A	
6 to 140	3 to 35	280	340	836-A2		836-A2A	
12 to 250	6 to 65	500	600	836-A3		836-A3A	
16 to 375	8 to 95	750	850	836-A4		836-A4A	

### Style A Internal Bellows — Copper Alloy Bellows<sup>①</sup> With 7/16" – 20 SAE Flare for 1/4" Copper Tubing Connection

Pressure Specifications				Enclosure Type			
Adjustable Operating Range Hg Vac. to psi ②	Adjustable Differential psi (Approximate Mid-Range Values)	Maximum psi		Type 4 & 13		Type 7 & 9 and 4 & 13 ⑤	
		Line Pressure	Occasional Surge Pressure ③	Catalog Number	*	Catalog Number	*
30" Vac. to 75	2 to 20	160	160	836-A1J		836-A1E	
6 to 140	3 to 35	280	340	836-A2J		836-A2E	
12 to 250	6 to 65	500	600	836-A3J		836-A3E	
16 to 375	8 to 95	750	850	836-A4J		836-A4E	

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

⑤ 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.