

CIRCUIT BALANCING VALVES | MINI SWEAT | MODEL CBV-MS ($\frac{1}{2}$ " and $\frac{3}{4}$ ") | SUBMITTAL

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Date: NOVEMBER 14, 2002

Job: _____ Representative: _____

Ordered by: _____ Date: _____
Engineer: _____ Submitted by: _____ Date: _____
Contractor: _____ Approved by: _____ Date: _____

MODEL NUMBER	QUANTITY REQUIRED	IDENTIFICATION

SPECIFICATION

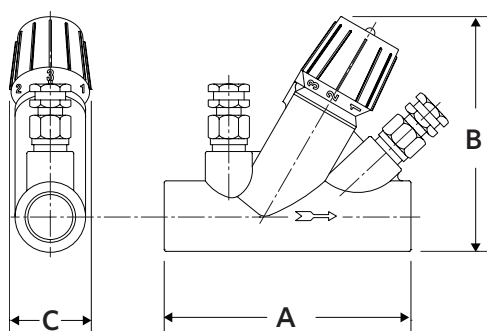
Connection: Solder Joint

Material of Construction: Brass

Maximum Working Pressure: 300 psi (2068 kPa)

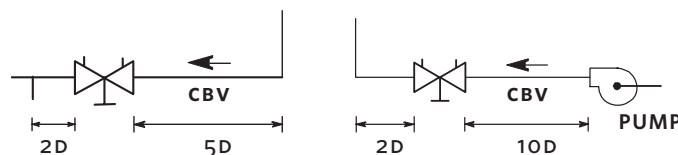
Maximum Operating Temperature: 250°F (121°C)

Handwheel: 1 Turn 360°



INSTALLATION

Generally locate the valve five pipe diameters downstream from a fitting, with two diameters downstream from the balancing valve free from fittings. If a balancing valve is located downstream from a circulation pump, allow a distance of 10 diameters between the pump and balancing valves (as illustrated).



DIMENSIONS

MODEL	PIPE SIZE	A	B	C	WEIGHT
CBV- $\frac{1}{2}$ " MS	$\frac{1}{2}$ "	3.12 (79)	3.53 (90)	1.34 (34)	1.1 (0.5)
CBV- $\frac{3}{4}$ " MS	$\frac{3}{4}$ "	3.78 (96)	3.62 (92)	1.34 (34)	1.19 (0.54)

NOTE: All dimensions are in inches (mm) and weights in lbs. (kg)

- 1 Solder style models are supplied unassembled. Valve body must be soldered in the line before assembly.
- 2 Refer to Cv curves for sizing and balancing, giving pressure drop at different settings and flow rates.
- 3 Suggested meters for use in conjunction with Armstrong CBV's are the CBM-60 and CBVM-135/60
- 4 All valves furnished with probe metering ports.

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