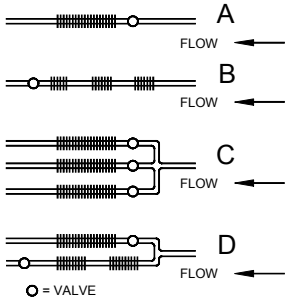
VALVES FOR NT SERIES OPERATORS

Operation

The *Macon* valve is designed to save energy by controlling hot water or low pressure steam heat in freestanding radiators, convectors, baseboards, fan coil units and the like in a loop, a zone or a unit. The valve, coupled with a *Macon* operator, provides a reliable automatic modulating unit. As room temperature drops, the *Macon* valve opens to allow more hot water or steam to flow through the radiator, thus allowing more heat into the room. When the room approaches the selected temperature, the operator causes the valve to begin closing off the flow of hot water or steam. This continued monitoring of the temperature is fully automatic, using no electricity whatsoever. The *Macon* valve can be equipped with any wide variety of *Macon* operators.

Features

- Compact dimensions
- Replaceable insert
- Stainless steel spindle
- Individual room control
- Easy one-trade installation
- Fuel savings up to 30%
- Prevents over- and under-heating
- Helps balance the heating system
- Same valve used for hot water or low pressure steam
- All NPT are forged brass nickel-plated
- Minimizes or eliminates expansion noises
- Suitable for nearly any hydronic heating application
- Operators can be changed without draining the system
- Shipped with a protective cap that can be used to control heating during the installing period



VALVE LOCATION IN SINGLE AND MULTIZONE HEATING SYSTEMS.

Vertical angle valve with straight nipple. NPT - female inlet, male union outlet.

N10637 - 1/2”
N10657 - 3/4”
N10677 - 1”
N10697 - 1-1/4”

Straight valve with straight nipple. NPT - female inlet, male union outlet.

N10737 - 1/2”
N10757 - 3/4”
N10777 - 1”
N10797 - 1-/4”

Horizontal angle valve with straight nipple. NPT - female inlet, male union outlet.

N10837 - 1/2”
N10857 - 3/4”
N10877 - 1”
N10897 - 1-1/4”

Sweat valve with female inlet and outlet

N10930 - 1/2”
N10950 - 3/4”
N10970 - 1”

Fail closed valves also available, consult factory.
All Macon valves and thermostats conform to ASHRAE Standard 102P-1983 and European Standard EN 215/1215. We are also ISO 9001 certified (1994) and ISO 14001 certified (1998).

118 Exchange Street · Chicopee, MA 01013
www.tunstall-inc.com

Tunstall

Phone (413) 594-8695 · Fax (413) 598-8109
www.maconcontrols.com

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DATA - Macon Valves for NT Series

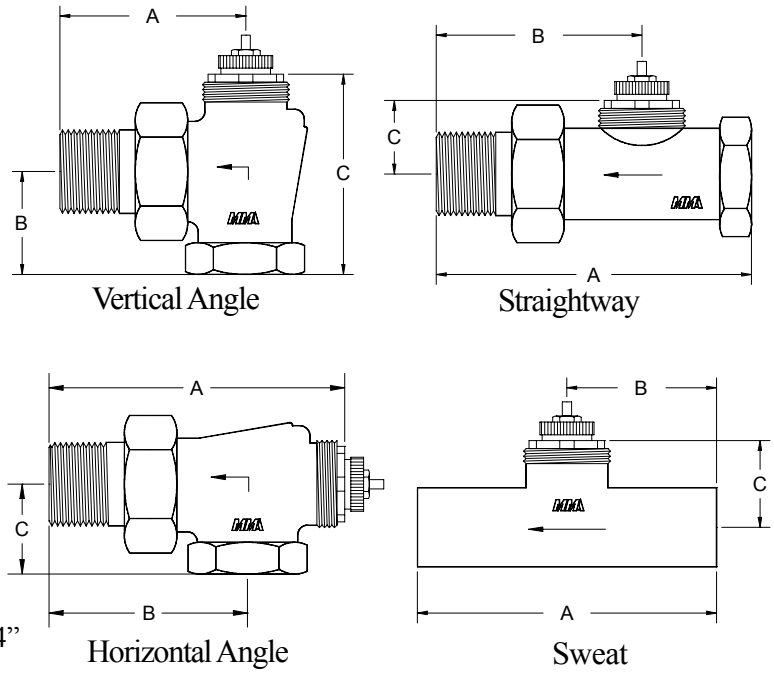
Vertical Angle NPT
1/2”, 3/4”, 1”, 1-1/4”

Straight NPT
1/2”, 3/4”, 1”, 1-1/4”

Horizontal Angle NPT
1/2”, 3/4”, 1”, 1-1/4”

Straight Female Sweat
1/2”, 3/4”, 1”

Disc Material: EPDM
Body Styles: Straightway or angle
Maximum steam pressure: 15 psig
Maximum static pressure: 145 PSI
Maximum water temperature: 250°F
Body tappings: Female inlet, male union outlet, Female sweat
Body Material: Forged brass, NPT valves are nickel-plated
Max. Differential pressure: 20 psi H_2O, refer to thermostat specs
Suggested Differential Pressure = 0.5 to 2.9 psi
Overall Height: Add thermostat dimensions less 1/4”



Macon NT Series Valves are in an open position when no operator is attached.

CV: 1/2” = 1.8
3/4” = 2.5
1” = 2.74
1-1/4” = 3.5

DIMENSIONS

VERTICAL ANGLE

BODY #	SIZE	A	B	C
N10637	1/2"	2-1/4"	1"	1-3/4"
N10657	3/4"	2-1/2"	1-1/8"	2-1/8"
N10677	1"	3"	1-3/8"	2-1/4"
N10697	1-1/4"	3-1/4"	1-3/4"	2-3/4"

STRAIGHTWAY

BODY #	SIZE	A	B	C
N10737	1/2"	3-1/2"	2-1/16"	1"
N10757	3/4"	4"	2-1/2"	1"
N10777	1"	4-5/8"	2-15/16"	1"
N10797	1-1/4"	5-1/4"	3-3/8"	1-1/8"

HORIZONTAL ANGLE

BODY #	SIZE	A	B	C
N10837	1/2"	3-3/8"	2-3/16"	1-1/2"
N10857	3/4"	3-3/4"	2-1/2"	1-1/4"
N10877	1"	4-3/16"	3"	1-3/8"
N10897	1-1/4"	4-3/4"	3-1/4"	1-7/8"

SWEAT VALVES

BODY #	SIZE	A	B	C
N10930	1/2"	2-3/16"	1-3/32"	1"
N10950	3/4"	2-11/16"	1-11/32"	7/8"
N10970	1"	3-5/32"	1-9/16"	1"

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We reserve the right to alter designs, specifications and information without notice.