

ThermoCon storage tanks

series NAS200



BSI EN ISO 9001:2000
Cert. n° FM 21654



UNI EN ISO 9001:2000
Cert. n° 0003



Function

ThermoCon tanks are designed to be used for solar and geothermal storage, plus in heating systems with low-mass boilers, chilled water systems and low-mass radiation. ThermoCon tanks are used in systems operating below the design load condition, which is most of the time, or in systems having several low cooling or heating loads demands at different times. Boilers operating at low loads will short cycle, resulting in reduced operating efficiency and shorter equipment life. When piped correctly, the ThermoCon will serve as both a thermal buffer and a hydraulic separator. The solar, boiler or chiller system will be hydraulically separated from the distribution system.

The ThermoCon tanks are engineered with seven (7) 2" NPT connections. Two connections can be piped to the solar, boiler or chiller side and two connections can be piped to the distribution system. Two additional connections are 90 degree from another which allows for positioning tank into a corner with the piping at a right angle. The tank has one 2" NPT connection for connecting an external heat exchange in the middle of the tank.



Meets and exceeds CSA
C309 requirements

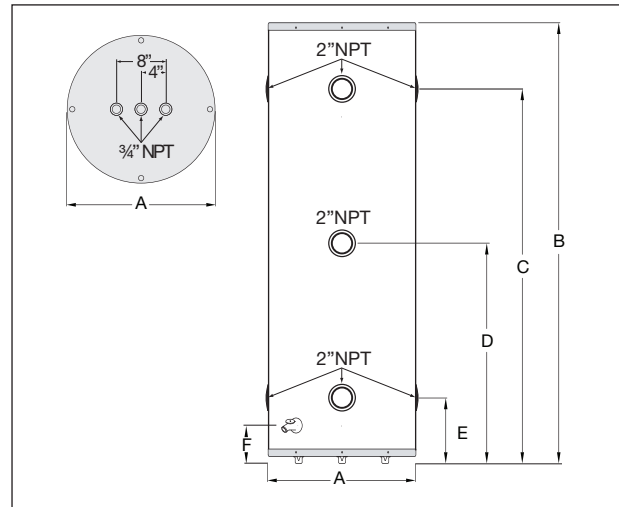
Product range

NAS20050	Storage tank	50 gallon
NAS20080	Storage tank	80 gallon
NAS20120	Storage tank	120 gallon

Technical specifications

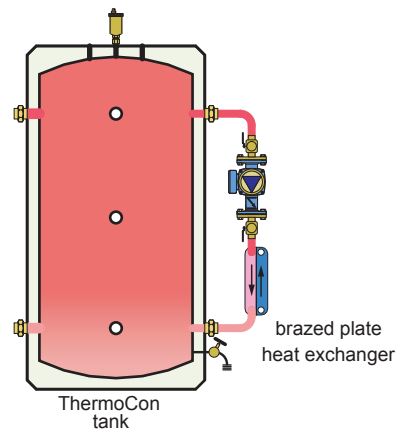
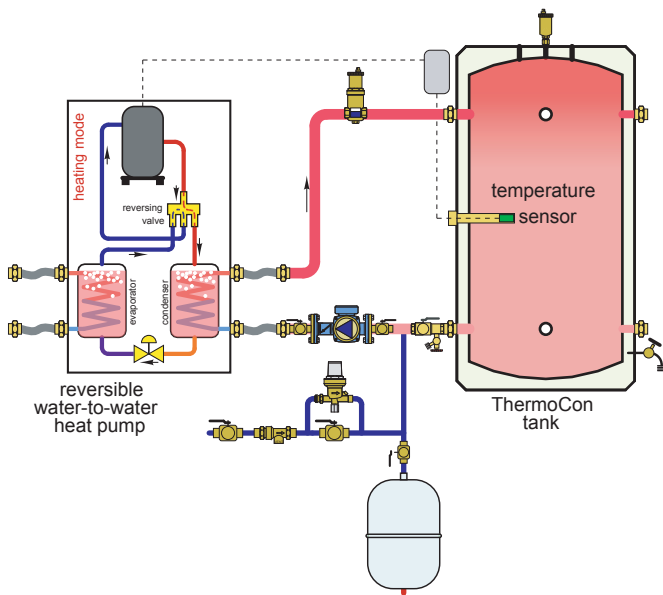
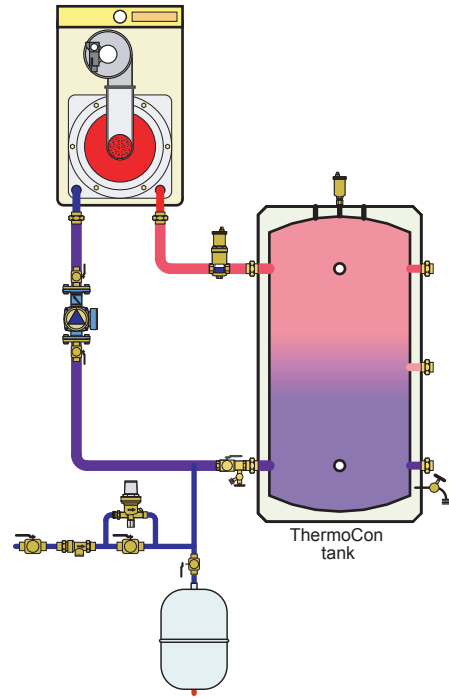
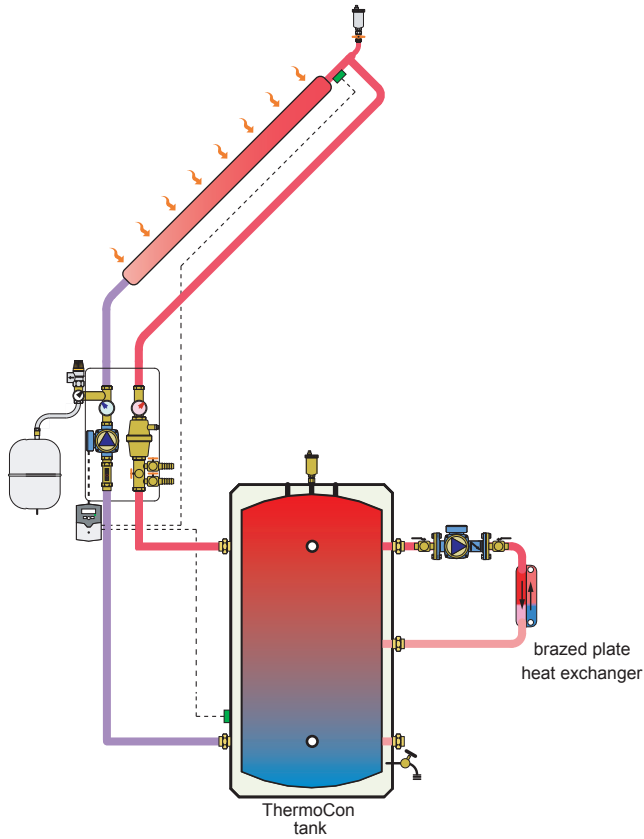
Tank materials:	porcelain coated steel
Tank insulation:	2" non-CFC foam
Tank external cover:	powder-coated steel(20-24 ga.)
Insulation thermal conductivity:	R16
Connections:	top (3) 3/4" NPT female side (7) 2" NPT female
Maximum working pressure:	150 psi
Testing pressure:	300 psi
Maximum tank temperature:	180°F
Recommended maximum delivery hot water temperature:	120°F

Dimensions



Model	A	B	C	D	E	F
NAS20050	22"	48 1/4"	39 1/2"	23 1/2"	7 3/4"	4 1/2"
NAS20080	24"	64"	53"	32"	11"	5"
NAS20120	28"	65"	53"	32"	11"	7"

Characteristics



We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice.



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