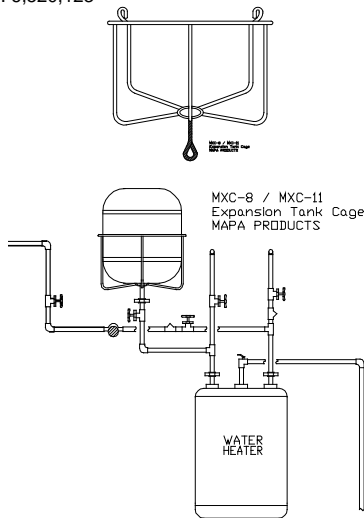




CERTIFIED FOR: _____
CUSTOMER _____
CUSTOMER P.O _____
JOB NAME _____
LOCATION _____

**Submittal Information: MAPA Expansion Tank Cage
 MXC-8 or MXC-11**

Patent No. 6,520,123



Composition:

Expansion Cage	MXC-8	MXC-11
Typical tanks and sizes:	2.0 gallon expansion tanks	4.0 gallon expansion tanks
Composition:	1/4" steel rod black powder coat	
Included Hardware:	Mounting screws, washers and inserts	

Practical Application:

Because standard hot water expansion tanks are factory fitted without support flanges, it becomes necessary to field devise a means to support these tanks. Though often installed merely suspended from the piping system, it is often preferred that these tanks be firmly secured in place upon final installation. Our Expansion Cages are ideally suited for this purpose. The light duty wire construction provides a cost efficient means of providing this support. The Expansion Cage is available for all common sized in-line expansion tanks.

Recommended Usage:

Use the Expansion-Cage to support standard Diaphragm type In-Line Hot Water Expansion Tanks. These cages will support tanks in vertical position with NPT connection resting inside the bottom ring of the cage. The Expansion-Cage is ideally suited for residential usage as well as commercial installations where water heater sizes permit the use of a diaphragm type in-line expansion tank.

Recommended Installation Procedures:

The Cage should be securely attached to a wall structure using either included hardware or that provided by the installer. It is recommended that for sheet rock walls, reinforcement backing be placed within the wall cavity to support the cage. Do not utilize the frame of the cage as support when tightening piping to the NPT connection of the tank. The installer should secure threaded connections to the tank before placing it in the cage. The cage is designed to be flexible due to variations in actual tank dimensions from individual manufacturers. The cage should be installed level and in an unobstructed area. Fit cage to external dimensions of the expansion tank, and then firmly secure the cage before installing the expansion tank.

Warranty:

Limited Lifetime Warranty--When installed in accordance with MAPA installation and maintenance specifications and using only MAPA materials, MAPA warrants its support bases and assemblies to be free from defect and will repair or replace product at MAPA's discretion. Rusting that is not detrimental to the integrity of the support is not warranted. Damage caused by incorrect installation, improper usage or improper maintenance is not warranted. Recovery rights shall be limited to the total sum of the amounts paid for the product by the purchaser.

Limits of Liability:

ISIMET/MAPA liability shall be limited to costs of repair or replacement parts. Supports are not intended for usage other than those expressly described in product catalog. ISIMET/MAPA does not perform engineering design and shall not be liable for damage or injury caused by the improper use or installation of the product.

CERTIFICATION DATA

QTY	Cage Model		Tank Size	Notes
	MXC-8	MXC-11		
	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
DRAWN	CHECKED		DATE	DWG.NO.

OP2004-MXC811

Doc. #: M-13501