

A-Series Thermal Expansion Valve



Stable and Accurate Control for Foodservice Installations

When it comes to protecting food there's no such thing as cutting corners on quality. You need solutions you can count on, especially when it comes to the refrigeration equipment that you service.

Foodservice operators depend on their refrigerators and freezers to be up and running, every hour of every day - even in the toughest foodservice environments.

We know you need to provide unsurpassed reliability that can keep food at just the right temperature, the kind of reliability that can also help lower maintenance costs. This is exactly the kind of reliability that comes with the Emerson Climate Technologies A-Series Thermal Expansion Valve.



Feature	Benefit
Hermetic construction	Eliminates leakage
Stainless steel power element	Minimizes corrosion
Compact design	Easy installation
Full range of charges	One valve for all applications and refrigerants
Permanent 80 mesh inlet screens	Prevents contaminants from clogging valve
Internal check valve option	Eliminates the need for external check valves

Foodservice Reliability

The A-Series Thermal Expansion Valve brings Emerson's proven technology to foodservice installations. It's a time-tested technology that brings you and your business a unique combination of reliability and performance that not only reduces spoilage, but also cuts the hassle and expense of time-consuming maintenance.

A-Series valves have been designed and built to eliminate refrigerant leakage and minimize corrosion. The A-Series Thermal Expansion Valve provides an extra safety factor for extreme operating environments in high ambient and dirty working environments.

Technology Designed to Keep Your Reputation Intact

To keep your customers satisfied, you must deliver the best technology, the best service, and the best protection. And with Emerson Climate Technologies™ you can deliver every time.

Contractors around the world have turned to Emerson for the ultimate refrigeration solutions, all reinforced by unwavering customer support. And with breakthrough products like the A-Series Thermal Expansion Valve, your customers' refrigeration systems will have a higher level of protection.

The A-Series Thermal Expansion Valve and all the essential Emerson Climate Technologies products are conveniently available at wholesalers worldwide. For information on local refrigeration wholesalers near you, go to EmersonClimateContractor.com.



1/8 - 5 ton capacity

Standard Models:

AA - Adjustable, ODF, straight-thru or angle

AN - Non-adjustable, ODF, straight-thru or angle

AFA - Adjustable, SAE connections only with elbow inlet

NOMENCLATURE Example: AACEB 2 HC 30 IN 3/8 x 1/2 ODF ANG

A	A	C	E	B	2	H	C	30 IN	3/8 x 1/2	ODF	ANG
Valve Series	Superheat Adjustment	Internal Check Valve (optional)	Equalizer	Bleed Hole (optional)	Capacity Nominal Rating in Tons	Refrigerant Code	Charge Code	Capillary Tube Length	Inlet x Outlet Connection Sizes	Connection Type	Configuration
Economy, Hermetic Design	A=Adjustable N=Non-Adjustable	Reverse Flow Bypass Application	E=External (Omit for Internal)	Omit for no bleed hole	Nominal Capacity	F=R12 H=R22 M=R134a N=R407C P=R507 R=R502 S=R404A Z=R410A	C=medium temp CA=heat pump W(MOP)=press. limiting Z=low temp AA=wide range	30 IN (std) other lengths are available	1 1/4 3/8 1 1/2 1/2 1 1/2 5/8 5/8 7/8	SAE=flare ODF=solder Chatleff (optional) Aeroquip (optional)	S/T=straight-thru ANG=90° angle

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