

# MEPCO

## STEAM SPECIALTIES

RADIATOR TRAPS  
FLOAT & THERMOSTATIC TRAPS  
RADIATOR VALVES  
MEDIUM & HIGH PRESSURE TRAPS  
STRAINERS  
VACUUM BREAKERS



MARSHALL ENGINEERED PRODUCTS CO.

# RADIATOR TRAPS

Over 90 years ago, C.A. Dunham developed the first commercially successful fluid-filled thermostatic radiator trap. Since that time, MEPCO has manufactured well over 8 million traps. Today, in hundreds of thousands of installations from coast to coast, MEPCO quality traps are delivering dependable, long-lasting, low maintenance service so essential to efficient heating systems. MEPCO traps efficiently drain condensate, vent air from steam equipment, and prevent the flow of steam to return piping with a simple ruggedly constructed unit that requires minimum maintenance.



## Low Pressure Thermostatic Traps

Low Pressure Thermostatic Traps are applicable for pressures from 25" Hg vacuum to 25 PSI, and capacities to 700 EDR. With a cast brass body and cover, non-corrosive working parts, and thermostatic discs that have been tested to over 10 million cycles, these traps set industry standards for dependability. Our seats are guaranteed for 25 years, with large seat openings to prevent clogging. Stop shoulder construction of disc permits individual calibration for correct operation and field interchangeability without field adjustment. Volatile fluid in disc is sealed under a high vacuum to provide uniform expansion over the entire operating range. Available in five patterns (AP, SW, LH, RH, VS): sizes 1/2", 3/4", and 1" with either integral or replaceable seats. Refer to file number 1505.

# RADIATOR VALVES



## 1240

The 1240 Packless Valve is applicable to both hot water and steam heating systems from 25" Hg vacuum to 125 PSI. It can also be applied to water systems up to 125 PSI. Our highest quality valve, the 1240, has a unique design utilizing primary and secondary levers of high tensile noncorrosive alloys to insure trouble free operation. The 1240 Packless Valve opens and closes in less than one turn and is equipped with an indicating dial. Available in two patterns (AP and ST): sizes 1/2" and 3/4". Refer to file number 1527.



## 740A

The 740A Radiator Valve is applicable to water systems as well as steam at operating pressures from 25" Hg to 150 PSI. This radiator valve has a one piece formed solid packing held in place by a heavy coil spring to assure a tight seal around the valve stem. Referred to in the industry as packless, the 740A opens and closes in less than one turn and is equipped with "On" and "Off" dial arrows and easy to use dial divisions for adjustment. Available in four patterns (AP, RH, LH, ST): sizes 1/2" through 1 1/2". Refer to file number 1522.



## 600A

The 600A Radiator Valve is applicable for steam or water systems up to 125 PSI operating pressures. Proven in over 40 years of service, the 600A is your best buy for quality at an inexpensive price. A heavy packing nut and a one piece formed solid packing keeps a tight seal around the valve stem. The 600A opens and closes without binding allowing for exceptionally free drainage of water. Available in two patterns (AP and ST): sizes 1/2" through 2". Refer to file number 1526.

# INDUSTRIAL STEAM TRAPS



## High Pressure Thermostatic Traps

High Pressure Traps are similar in construction to the low pressure radiator trap. With stainless steel valve and stainless steel renewable seat, trap is especially designed for high pressure service. Stop shoulder disc construction allows ease of field replacement if required. Operating pressures range from 5 to 125 PSI. Available in two patterns (AP and SW): sizes 1/2", 3/4", and 1". Refer to file number 1506.



## Bucket Traps

Bucket Traps are applicable for pressures up to 250 pounds. With inlet and outlet connections at the same level, installation is simplified. These traps feature valves and seats constructed of hardened stainless steel, positive opening action, and easy to inspect working parts. Available in sizes 1/2" through 2 1/2". Trap construction for 250 PSI. Refer to file number 1508.



## Thermodynamic Disc Trap

The compact, self-draining Thermodynamic Disc Trap is designed for high pressure applications such as tracer lines, steam line drips, steam jacketed fittings and pumps, small press platens, laundry and dry cleaning presses and similar condensate load service. All stainless steel constructed traps are available in four sizes (3/8", 1/2", 3/4" and 1") with 3/4" and 1" sizes for light process loads. Refer to file number 1519.

# FLOAT AND THERMOSTATIC TRAPS

Combining the advantages of the Float Trap and the Thermostatic Trap, these traps come in a wide range of pressures for numerous applications. Heavy duty construction and quality engineered valves and seats assure performance and trouble free operation. Refer to file numbers 1501 and 1516.

The MEPCO Double inlet/Double Outlet F&T Trap is applicable to all types of steam heating systems and steam process equipment where straight through piping is required. These traps can be piped in and out from either side depending on your particular needs. These traps operate efficiently with pressures up to 15 PSI for low pressure applications and end up to 125 PSI for higher pressure applications. Available in five sizes (3/4", 1", 1 1/4", 1 1/2", and 2") for handling capacities of 275 to 24,000 pounds of condensate per hour. Refer to file numbers 1514 (series 44), 1515 (series 54, with stainless steel internals), and 1536 (series 48, with stainless steel internals.)



# SPECIALTIES

## Vacuum Breaker

The MEPCO Vacuum Breaker is a simple device which provides a positive means of relieving or “breaking a vacuum at a pre-determined setting.” They are designed to prevent damage caused by a vacuum such as: freezing coils, collapse of steam jackets and damage caused by water hammer. The maximum operating pressure is 65 pounds. Set by the factory at 2” Hg of vacuum, the vacuum breakers may be field adjusted from 1” - 28” Hg of vacuum. Refer to file number 1529.



## Strainers

Strainers protect traps, valves, heating elements, and piping from dirt and scale. The MEPCO Strainers feature a sieve formed from perforated stainless steel (optional brass or monel) which has been designed for ease of removal for cleaning. Operating in pressures up to 250 PSI (SS-A strainer) and 125 PSI (flanged “Y” strainer.) These strainers are available in sizes ½” through 2” with threaded connections and 2½” through 8” in the flanged model. Refer to file number 1534 (Type SS-A) and 1535 (Flanged Type “Y” strainer.)



## SPECIAL CUSTOMER NEEDS

In an effort to meet our customers’ most special needs, the manufacturer is well equipped with trained, experienced personnel to help with even the most special of design and application needs. Built-in design flexibility and personalized manufacturing attention to each product makes our complete line of steam heating equipment the perfect choice for your new or retrofit situation.... whatever the circumstance. Contact MEPCO for more details and application assistance... today.



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