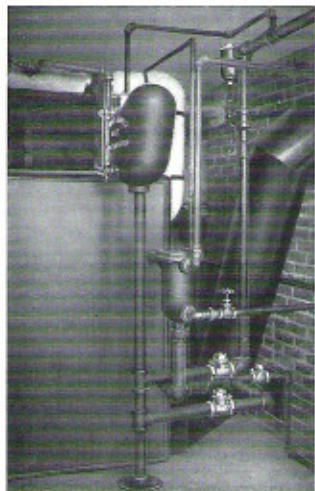


# CONDENSATOR

# 2.0

## Boiler Return Trap Specialties

**Barnes & Jones**<sup>®</sup>  
INC.



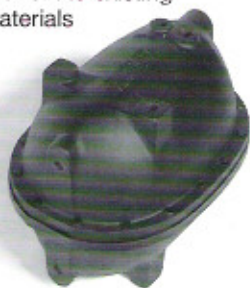
Between 1880 and 1950 millions of vapor/vacuum steam systems were installed in US and Canadian buildings and residential homes. These systems featured a Condensator or boiler return trap (sometimes called an "alternating receiver") to prevent damage to the boiler when steam pressure exceeded a few ounces. When the pressure rises, the condensate gradually accumulates in the body of the Condensator, causing the float valve to open, equalize the pressure, and allow the recovered water to flow back into the boiler.

The original Barnes & Jones Condensator proved to be one of the most reliable and durable components in the system. Most are still working after more than a half century of service, but eventually time takes its toll and your Condensator will need to be replaced. The new Barnes & Jones Condensator 2.0 BRT System is the universal replacement for all vapor/vac systems.

### BRT Model - 1

The new Condensator 2.0 Model BRT-1 is the optimum design for capacities up to 3,000 sq. ft. C.I. column radiation\*. The small footprint design allows for easy retrofit to existing systems, while the use of advanced materials in the valve mechanism ensures decades of trouble free service.

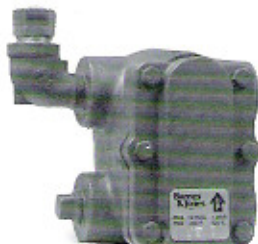
- **Cast Iron Body**
- **Stainless Steel Float Mechanism**
- **1/2" NPT Steam Inlet**
- **3/4" NPT Exhaust Outlet**
- **1" NPT Condensate Outlet**
- **Weight - 175 Lbs.**
- **Optional Sight Glass**



### Vent Trap - Model VT - 1

This trap vents the air from the return piping and the air and exhaust vapor from the return trap. The float mechanism permits the discharge of air and non-condensable gases while preventing the leakage of water. The integral vacuum check valve prevents re-entry of air.

- **Cast Iron Body**
- **All Stainless Steel Float Mechanism**
- **Integral Brass Vacuum Check Valve**
- **3/4" NPT Inlet, Outlet & Vent**
- **Weight - 12 Lbs.**



### Quick Vent - Model QV - 1

This vacuum lock vent provides quick air elimination on steam mains where only air and steam are encountered. Quick vents should be installed on all risers and steam lines where large quantities of air must be discharged and condensate will not be encountered. To assure a positive "vacuum lock," a simple, efficient vacuum check ball offers no resistance to the discharge of air, but closes immediately to prevent air from passing back into the system.



- **Cast Bronze Body, Cover & Cap**
- **Phosphor Bronze Bellows**
- **1/2" NPT (male) Inlet**
- **Integral Vacuum Check Valve**
- **Capacity (CI/M) 1 psig = 5300, 5 psig = 12,960, 15 psig = 24,100**
- **Weight - 1 Lb.**

\*Contact Barnes & Jones for capacities up to 32,000 sq. ft. C.I. column radiation

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