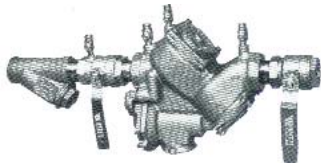




## BACKFLOW PREVENTERS

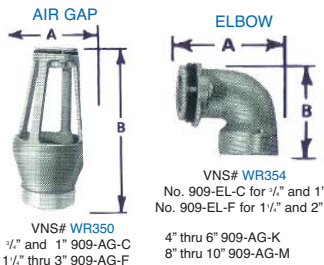


No. 909SQT (AS SHOWN)  
No. 909 2 1/2" to 10" (NOT ILLUSTRATED)

### BACKFLOW PREVENTOR

**Reduced Pressure Principle** Maximum Supply Pressure 175 lbs.  
No. 909 provides superior protection in cross connection control for both cold and hot water installations. It is a unique, patented design incorporating the "air-in/water-out" principle, providing substantially improved relief valve discharge performance during the emergency conditions of combined back-siphonage and backpressure with both checks fouled. (Horizontal or vertical installation.) **Note: Meets USC Code.**

Sizes (In.)	VNS#	Strainer	Total Wt. (lbs.)
3/4"	WR290	Bronze Screwed	Bronze 18
1"	WR291	Bronze Screwed	Bronze 20
1 1/4"	WR292	Bronze Screwed	Bronze 43
1 1/2"	WR293	Bronze Screwed	Bronze 45
2"	WR294	Bronze Screwed	Bronze 53
2 1/2"	POA	Iron Flanged	Not Furnished 200
3"	POA	Iron Flanged	Not Furnished 230
4"	POA	Iron Flanged	Not Furnished 470
6"	POA	Iron Flanged	Not Furnished 800



Iron Body No.	Desc.	For No. 909, 0099 Sizes
909-AG-C	Air Gap	3/4" and 1"
909-EL-C	Elbow	3/4" and 1"
909-AG-F	Air Gap	1 1/4" thru 3"
909-EL-F	Elbow	1 1/4" thru 2"
*909-AG-K	Air Gap	4" thru 6"
*909-AG-M	Air Gap	8" thru 10"

\*Epoxy coated

### EXPANSION TANKS — For Hot Water Heating Systems

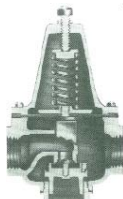
Max. Temperature 240°F—Max. Pressure 115 PSI

No.	Volume (gals)	*Accept. Volume (gals)	Conn. Size	Weight (lb.)
ET-15	2.1	1.4	1/2"	5
ET-30	4.7	3.0	1/2"	8
ET-60	6.6	4.3	1/2"	14



### Water Pressure Reducing Valve

A direct acting, high capacity pressure reducing valve for liquid services from 1/2" to 2". The cast bronze valve is suitable for inlet pressures up to 300 psig. Easily adjustable by turning the pressure screw on top of the valve. This valve meets the A.S.S.E standards, Southern Standard plumbing code, I.A.P.M.O Military standards, and the Uniform Plumbing Code. Ranges Available: 3-15, 10-50, 30-140



TYPE D-36

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Price						

### TYPE A-31 SMALL PRESSURE REGULATORS FOR WATER, AIR, LIGHT OIL

Small pressure regulator Type A-31, automatically reduces high inlet pressure to lower outlet pressure within close limits.

High quality forged brass body; good for inlet pressures up to 300 lbs.—reduced pressure ranges 2 to 180 lbs. with 6 different springs. Maximum temperature 200°F.

3/4"— TYPICAL APPLICATIONS: Drinking fountains, bubblers water coolers, humidifiers, beverage dispensers, spray paint rigs air tools, etc.



## SERIES 008QT NEW



Working Temperature 33° - 180°F  
Pressure Range: 8 psi to 150 psi.

- Bronze body for durability
- Standardly supplied with tee handles
- Available less tee handle with stem wrench flats, for use where space is limited
- Patented design
- Compact space saving design
- ASSE 1056
- Available in left-handed or right-handed outlet

High Hazard Backflow Preventer  
Anti-Siphon, Spill-Resistant

Designed for indoor point of use applications to prevent back-siphonage of contaminated water back into potable water supply. Separation of the water supply from the air inlet is accomplished by means of a diaphragm seal. This feature protects against any spillage during start-up operation.

3/8" ... 1/2" ...



### No. 7 Dual Check Backflow Preventer

Suited for use in photo developing darkrooms, exterminators equipment, kidney dialysis machines, and hospital equipment using water.

VNS# WR079 3/4"..... VNS# WR080 1"...



### No. 9D Backflow Preventer Continuous Pressure Type with Intermediate Atmospheric Vent

Suited for laboratory equipment, processing tanks, sterilizers, dairy equipment, and particularly for boiler feed lines.

VNS# WR077 1/2"..... VNS# WR078 3/4"...

## HOT OR COLD WATER ANTI-SIPHON VACUUM BREAKERS



No. 288 A  
SERIES  
PIPE THREAD

SIZE	VNS#
3/8"	WR051
3/8" CP	WR061
1/2"	WR052
1/2" CP	WR062
3/4"	WR053
3/4" CP	WR063
1"	WR054
1" CP	WR064
1 1/4"	WR065
1 1/2"	WR056
2	WR057
3	WR059

No. 8  
Hose  
Thread



VNS#  
WR065-No. 8 Brass  
WR066-No. 8 Chrome  
WR067-No. 8 NF Brass  
(NF = No-Freeze)

## SUPPLY AIR REGULATOR

Precision high capacity balanced piston ring air line regulators. Reduced pressure ranges 0-250. Maximum of initial pressure 300 lbs.



ALWAYS IN STOCK	
SIZE	VNS#
1/4"	MP001
3/8"	MP002
1/2"	MP003



## Pressure Regulating Valve

A direct acting pressure reducing valve for steam, water or gas service in sizes from 1/2" to 2". The cast iron valve is suitable for inlet pressures up to 200psig and the stainless steel is suitable for inlet pressures up to 300psig. Easily adjustable by turning the pressure screw on top of the valve.

### SPECIFY OUTLET PRESSURE

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Iron						
Bronze						



TYPE D-50

**K-10, K-20 PISTON TYPE BACK PRESSURE VALVE**  
To limit a specific pump discharge pressure on a machine tool hydraulic system, oil burning equipment, rams, presses, lifts, etc. For water, other liquids and fuel oils of all grades. Not for steam. Bronze angle body, stainless trim, single metal-to-metal seat only. Relief pressure ranges 5 to 600 lbs. Maximum temperature 450°F. Type K-20 version available—uses an aspirating action to obtain even closer pressure control.

Type	Size	Stand. Valve	Ship. Wt. Ea.
K-10	1/4" or 3/4"	Stand. Valve	1 1/4 lbs.
K-10	1/2" or 3/4"	Stand. Valve	4 lbs.
K-10	1" or 1 1/4"	Stand. Valve	8 1/2 lbs.



## HEAT EXCHANGERS & REPLACEMENT TUBE BUNDLES

WHEN ORDERING PLEASE SPECIFY MFG #, SERIAL #, AND CATALOG #

Adamson • American Standard  
 Armstrong • Bell & Gossett  
 Cemline • Graham  
 Old Dominion  
 Patterson - Kelly  
 Reco • A.O. Smith • Taco  
 Thrush • Whitlock

### HEAT EXCHANGERS

Remove heads and clean all tubes straight through with a wire brush or drill. Acids or chemicals are not required. Max. steam pressure in shell — 50 P.S.I. Max. water pressure — 125 P.S.I. Max. temperature — 350°F



B&G and Armstrong Tank and Heater



B&G "SU" Armstrong WS Heat Exchanger



TCW, TCS and TCY Tank Heaters

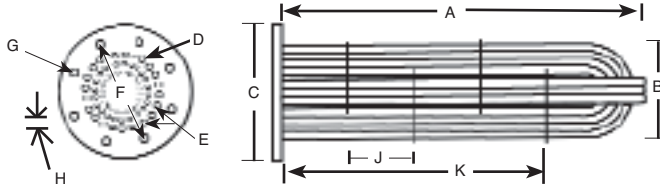


Thrush A.S.M.E. Heat Exchangers

### Tube Bundle Replacement

ITT Bell & Gossett will manufacture a replacement tube bundle assembly for a tank heater of another manufacturer's design at the maximum allowable pressure and temperature based on the data given below. The tubesheet will be of conventional design and the tube supports will be spaced as per B&G standard unless otherwise indicated.

The tube bundle will be constructed according to ASME requirements for the pressures and temperatures given below. The ASME "U" symbol will be stamped on each tube bundle.



- A. Tube bundle length .....
- B. Tube bundle diameter .....
- C. Tube sheet diameter .....
- Tube sheet thickness .....
- D. Outside diameter of tubes .....
- Inside diameter of tubes or .....
- gauge .....
- E. Total number of tube holes .....
- Tube layout (triangular or square) .....
- Tube pitch (center to center of tube holes) .....
- Number of tubeside passes (2, 4 or 6) .....
- Are there tube holes on vertical C/L of tubesheet? .....
- Are there tube holes on horizontal C/L of tubesheet? .....

IF TUBESHEET HAS BOLT HOLES:

- F. Bolt circle diameter .....
- G. Number of bolt holes .....
- H. Bolt hole diameter .....
- I. Do bolt holes straddle Vert. & Horiz. C/L of tubesheet as shown on drawing? .....
- Tube support (baffle) spacing .....
- J. Total number of tube supports (baffles) .....
- Tube support (baffle) thickness .....
- Tube support (baffle) diameter .....
- Distance to last tube support (baffle) .....
- K. Distance to first tube support (baffle) .....
- L. Collar or shell material .....
- M. Collar or shell outside diameter .....
- Collar or shell inside diameter .....
- Materials of construction:
- N. Tube Material \_\_\_\_\_ Tubesheet material \_\_\_\_\_
- Baffle Material \_\_\_\_\_ Head material \_\_\_\_\_ ASME REQ'D?
- Working pressures: Shell \_\_\_\_\_ PSI Tubes \_\_\_\_\_ PSI Yes  No
- Manufacturer's existing unit:
- Model Number \_\_\_\_\_ Factory Number \_\_\_\_\_
- National Board Number \_\_\_\_\_
- Application: Steam in shell  Water in Shell
- O. Steam in tubes, bundle in tank
- Water in tubes, bundle in tank

**NOW AVAILABLE  
 CUSTOM VNS TUBE  
 BUNDLE**

• Features include  
 improved baffle  
 & thicker wall tube  
**CALL FOR QUOTE!**