"Apollo" Valves

MODEL RVS13
OPERATING INSTRUCTIONS

If adding water to a boiler, **DO NOT ALLOW** water to flow through safety valve as sediment or debris may be deposited on seating surface.

To achieve topmost performance and maximum service life, it is necessary to maintain a proper pressure margin between the set pressure of the safety valve and the boiler's operating pressure.

The minimum required operating pressure margin for this type of safety valve is 4 psig. **UNDER NO CIRCUMSTANCES SHOULD THIS MARGIN BE LESS THAN 4 PSIG!** Failure to maintain this operating margin may result in leakage past the seat and an accumulation of deposits on the seating surface. Excessive deposits may prevent the safety valve from operating properly, causing a dangerous pressure build-up and equipment rupture.

MAINTENANCE AND TESTING

CAUTION! Before testing, make certain discharge pipe is properly connected to valve outlet and arranged to contain and safely dispose of boiler discharge (see "Installation Instructions").

Under normal operating conditions, a "try lever test" must be performed every two months. Under severe service conditions, or if corrosion and/or deposits are noticed within the valve body, testing must be performed more often. A "try lever test" must be performed at the end of any non-service period.

Test at or near maximum pressure by holding the test lever fully open for at least five seconds to flush the valve seat free of sediment and debris. Then release the lever and allow the valve to snap shut.

If lift lever does not activate, or there is no evidence of discharge, turn off boiler immediately and contact a licensed contractor or qualified service personnel.

Neither Conbraco Industries, Inc. nor its agents assume any liability for valves improperly installed or maintained.

DO NOT REMOVE THIS TAG

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This quality Apollo safety valve, along with proper installation, use and maintenance, will provide many years of reliable service and protection against excessive pressure build-up of steam. Use of this valve for any other purpose or media places all responsibility upon the user. Before installing the valve, or operating the boiler, read all instructions carefully. Always wear proper safety equipment.

INSTALLATION INSTRUCTIONS

1) Installation must be performed by qualified personnel only.
2) The BTU/hr or lb/hr rating of this valve must be equal to or exceed that of the equipment to which it is installed.
3) **DO NOT** use this valve on a coal or wood boiler having an uncontrolled heat input.
4) Insure that all connections, including the valve inlet, are clean and free from any foreign material.
5) Use pipe compound sparingly, or tape on external threads only.
6) **DO NOT USE A PIPE WRENCH!** Use proper type and size wrench on wrench pads only.
7) This valve must be mounted in a vertical, upright position, directly to a clean, tapped opening in the top of the boiler. Under no circumstances, should there be a flow restriction or valve of any type between the safety valve and the boiler.
8) **WARNING!** During operation, this valve may discharge large amounts of steam and/or hot water. Therefore, to reduce the potential for bodily injury, and property damage, a discharge line **MUST** be installed that:

   a. is connected from the outlet to a safe point of discharge with no intervening valve,
   b. allows complete drainage of the valve and the discharge line,
   c. is independently supported and securely anchored so as to avoid applied stress on the valve,
   d. is as short and straight as possible,
   e. terminates freely to the atmosphere where any discharge will be clearly visible and is at no risk of freezing,
   f. is, over its entire length, of a pipe size equal to or greater than that of the valve outlet.
   g. is only schedule 40 pipe (Do not use schedule 80 pipe or connections.)

DO NOT CAP, PLUG, OR OTHERWISE OBSTRUCT DISCHARGE PIPE OUTLET! If discharge is piped upward, a condensate drain must be provided in the elbow below the vertical pipe to prevent condensate from returning into the valve.

9) See appropriate ASME Boiler and Pressure Vessel Code for additional installation instructions.