PAGELAND, SC

APOLLO

"Apollo" Valves

MANUFACTURED BY CONBRACO INDUSTRIES INC,
www.apollovalves.com

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 surfaces.

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 equipment's operating pressure.

The minimum required operating pressure margin for this type of safety valve is 10% of the safety valve set pressure, but not less than 7 PSI. UNDER NO CIRCUMSTANCES SHOULD THIS MARGIN BE LESS THAN 7 PSI.! 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, and a dangerous pressure build-up and equipment rupture may result.

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" should 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" should also be performed at the end of any non-service period.

CAUTION! Hot, high pressure fluid may be discharged from body drain and vent during "try lever" test. Care must be taken to avoid any bodily contact.

CAUTION! High sound levels may be experienced during "try lever" test. Wear proper safety equipment and exercise extreme care! Test at or near maximum operating pressure by holding the test lever fully open for at least 5 seconds to flush the valve seat free of sediment and debris. Then release lever and permit the valve to snap shut.

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

For resetting, adjustment, or repairs, contact Conbraco Industries for the appropriate service facility.

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

WARNING! This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires that this warning be given to the consumers in the State of California.). For more information visit www.apollovalves.com.

DO NOT REMOVE THIS TAG!

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I-6355-00

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This quality Conbraco 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, air, water or, nonhazardous gas. Use of this valve for any other purpose or media places all responsibility upon the user. Before installing valve, or operating equipment to which it is installed, read all instructions carefully. Always wear proper safety equipment.

INSTALLATION INSTRUCTIONS

10-322 10-512 19 29 119 Series

1) Installation must be performed by qualified service personnel only.
2) The lb/hr, GPM or CFM rating of this valve must equal 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) DO NOT use the test lever as a lifting device during installation.
5) Insure that all connections, including the valve inlet, are clean and free from any foreign material.
6) Gasketing and bolting must meet the service requirements for the pressure and temperatures involved. Gaskets must be sized to fully clear the valve inlet and outlet openings.
7) Cast Iron bodied Safety Relief Valves shall not be installed on vessels in lethal or flammable services.
8) Use pipe compound sparingly, or tape, on external threads only.
9) DO NOT USE A PIPE WRENCH! Use proper type and size wrench on wrench pads only.
10) This valve must be mounted in a vertical, upright position directly to a clean, tapped opening in the top of the pressure vessel. Under no circumstances should there be flow restriction or valve of any type between the safety valve and the pressure vessel.
11) WARNING! During operation, this valve may discharge large amounts of high pressure steam, water, air or gas. Caution must be taken to prevent bodily contact.
12) To reduce the potential for bodily injury and property damage, a discharge line must be installed that:
    a. is connected from the valve outlet to a safe point of discharge with no intervening valve,
    b. allows complete drainage of both 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 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.

    Use only schedule 40 pipe for discharge. (Do not use schedule 80, extra strong, or double strong 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.
13) Never plug or otherwise obstruct valve body drain. A body drain line should be installed to safely dispose of condensate.
14) See appropriate ASME Boiler and Pressure Vessel Code and your local jurisdiction for additional installation and operating instructions.