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15 SERIES – RELIEF VALVE
INSTALLATION, OPERATION, & MAINTENANCE

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 **IMPORTANT**

Conbraco pressure relief valves are safety devices designed for the protection of lives and property. These valves will provide years of service when properly installed and maintained. The information contained herein is intended for use by qualified personnel to properly maintain these devices.

Serious property damage and injury or death may occur should a pressure relieving device fail to operate correctly. Any installation, maintenance, adjustment, repair or testing should only be performed by experienced personnel properly trained and qualified in accordance with applicable codes and standards.

When maintaining or repairing Conbraco pressure relief valves, use only original Conbraco parts to ensure safe and reliable operation.

Contact your local Conbraco factory representative for the name of a factory authorized repair center near you. Or visit us on the web at www.conbraco.com.

Maximum Pressure/Temperature

 **Warning – Application must not exceed the pressure/temperature limitations below.**

Maximum Set Pressure	250 psig (17.2 barg) (15-112: 200 psig/13.8 barg)
Maximum Temperature (TS)	400°F (204°C)

Installation Instructions

This quality Conbraco relief valve, along with proper installation, use and maintenance will provide many years of reliable service and protection against excessive pressure build-up of air or non-hazardous 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.



Caution – Always wear proper safety equipment.



Caution – Valve may be very hot to the touch. Wear protective equipment if necessary.

1. Installation must be performed by qualified service personnel only.
2. Service is to be compatible with the materials of construction. Prior to selection it is the user's responsibility to determine that the valve is appropriate for the intended application. Application not to allow corrosion $>.001''/\text{year}$ (.025 mm/year).
3. The scfm rating of this valve must equal or exceed that of the equipment to which it is installed.
4. Insure that all connections, including the valve inlet, are clean and free of 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 pressure vessel. Under no circumstances should there be a flow restriction or valve of any type between the safety relief valve and pressure vessel.
8. See ASME Boiler and Pressure Vessel Code and local jurisdiction for additional installation and operating instructions.



Caution - During operation, this valve may discharge large amounts of high pressure air or gas. To reduce the potential for bodily injury and property damage, install valve in such a way so as to allow discharge to safely exhaust to atmosphere. Do not cap, plug or otherwise obstruct discharge holes!

Operating Instructions

To achieve topmost performance and maximum service life, it is necessary to maintain a proper pressure margin between the set pressure of the safety relief valve and the operating pressure of the equipment. The minimum recommended operating pressure margin for this type of safety relief valve is 10 psi or 25% of the operating pressure, whichever is greater. 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 relief valve from operating properly, and a dangerous pressure build-up and equipment rupture may result.

Maintenance and Testing Instructions



CAUTION! Before testing, make certain discharge holes are properly oriented to safely dispose of discharge (see Installation Instructions)!

Under normal operating conditions a “try lever test” should be performed every 2 months. Under severe service conditions or if corrosion, pitting, and/or deposits are noticed within the valve body, testing must be performed more often. A “try lever test” should be performed at the end of any non-service period.



CAUTION! High pressure air/gas will discharge through the discharge ports of the valve during lever test!



CAUTION! High sound levels may be experienced during 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 five seconds to flush the valve seat free of any debris. Then release lever and permit valve to snap shut. If lift lever does not actuate, 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.

Nameplate Information

ASME Code Symbol

The ASME “UV” stamp will be added in the empty box. The “UV” symbol signifies the valve has been designed, manufactured, and tested in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code and is approved for use on unfired pressure vessels and pressure piping systems.

NB Symbol

This symbol indicates the capacity value stamped on the nameplate has been certified by the National Board of Boiler and Pressure Vessel Inspectors.

CRN

This number, is the design registration number in accordance with CSA B51, the Canadian Boiler, Pressure Vessel and Pressure Piping Code.

CAPACITY (SCFM and NM³/hr)

This is the approved capacity of the valve.

SET (PSIG and BARG)

This is the set pressure of the valve in pounds per square inch and bar gauge.

TS

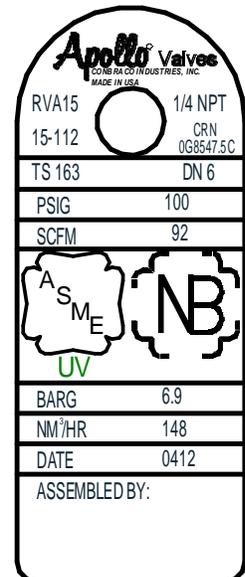
This is the maximum allowable temperature.

DN

This is the metric size designation of the inlet.

DATE

This is the date of manufacture. The first 2 digits indicate the year, the last 2 digits indicate the week of the year.



Amendment Register

DATE	REV	PAGES	DESCRIPTION
8/4/04	A	ALL	NEW RELEASE
3/3/16	B	3	UPDATED NAMEPLATE