TEST SPECIFICATION NYT-432-C

CODE OF TESTS FOR TESTING J-1 MAIN RESERVOIR
SAFETY VALVES, PC. N-8012 (558296) (85-225 psi)
AND N-8323 (560477) (30-80 psi)

Arrangement of test rack is shown on drawing NYT-432.

The pressure on the supply side of the supply cock and choke must be maintained between 10 and 15 psi higher than the pressure for which the safety valve is set.

TEST NO. 1
VALVE FUNCTIONS

Commence test with all cocks closed and the 2" gate valve closed. Apply the safety valve to the test rack as shown on the attached drawing.

Remove the safety valve cap nut, range ring lock, range ring locking pin and spring. Loosen the adjusting screw lock nut. Open the supply cock and 2" gate valve. Adjust the safety valve setting to allow the valve to open at the desired value for the safety valve under test, by screwing down or turning back the adjusting screw as may be required; then tighten the adjusting screw lock nut.

<table>
<thead>
<tr>
<th>SAFETY VALVE, PC. N-8012 (558296)</th>
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<tbody>
<tr>
<td>PRESSURE SETTING</td>
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<tr>
<td>up to 164 psi</td>
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<tr>
<td>165 to 174 psi</td>
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<tr>
<td>175 psi and up</td>
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| SAFETY VALVE, PC. N-8323 (560477) |

For this safety valve, which can be set to open at any pressure between 30 and 80 psi, the range (blow-back) setting should be 10 percent of the pressure for which the valve is set to open - plus or minus 1 psi. For example, the blow-back for a safety valve set at 55 psi is 4 1/2 to 6 1/2 psi.

With the aid of a small pointed rod inserted in the range ring locking hole, turn the range ring to adjust the safety valve range (blowback) to be within the limits specified above, noting that the movement of the valve to its seat is positive and sudden. To reduce the range, turn down (clockwise) on the range ring, and to increase the range turn back (counter clockwise) on the range ring. After the range setting is obtained, replace the range ring locking pin, spring and range ring lock nut to maintain the range (blowback) setting. Check the safety valve setting as before, and re-adjust if necessary.

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TEST NO. 2
LEAKAGE

After the safety valve blows back and seats, allow the pressure to be restored to within 10 psi of the opening pressure and then close the supply cock.

When testing Pc. N-8323, open cock 1 and reduce pressure to within 10 psi of the opening pressure, then close cock 1 and the supply cock.

Hold one finger over the hole in the end of the range ring lock nut and coat the three openings at the bottom of the safety valve with soap suds. A bubble must be held for at least 2 seconds at all three openings.

At the completion of test, securely fasten the safety valve cap nut in place and apply seal, Pc. EV-2600. Close the 2" gate valve, open cock 1 and remove the safety valve from the test rack.

TEST DEPARTMENT

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The Entire Rack Must Have A Proper Factor Of Safety For 300 Lbs. Working Pressure.

NYT-432
Diagrammatic Arrangement of Test Rack For Testing J-Main Reservoir Safety Valve N8012

NEW YORK AIR BRAKE CORPORATION
A KNOHR BRAKE COMPANY
748 Starbuck Avenue • Watertown, New York 13601 • TELEPHONE 315-785-5200