



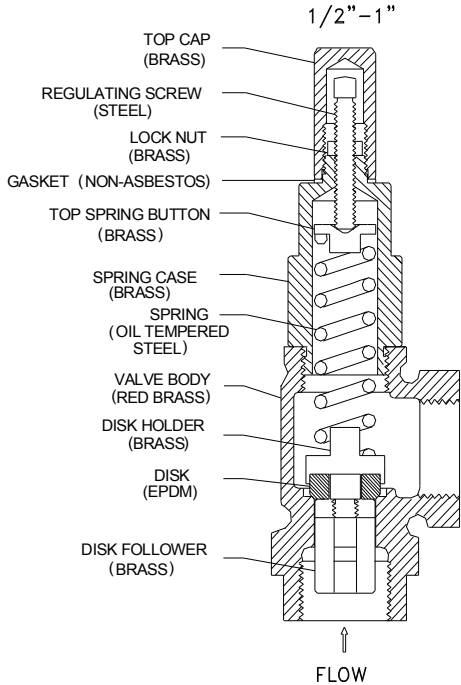
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SERIES 10691

SOFT SEATED RELIEF VALVE INSTALLATION & OPERATING INSTRUCTIONS

INSTRUCTION PART NO. 2228700

REVISION 0



APPLICATION

The Watson McDaniel Series 10691 is a relatively low-cost soft seated relief valve. Its EPDM disc material makes it perfectly suitable for air service applications. CAUTION: The Series 10691 should not be used as an emergency or safety relief valve.

How It Works

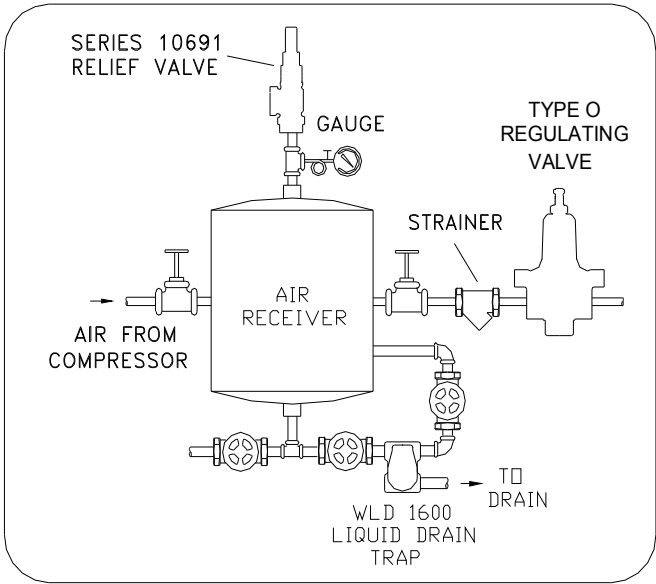
This type of valve is actuated by the system pressure which enters the body beneath the main valve. Valve loading is provided by a spring that can be adjusted within the relief pressure ranges shown. The adjustment is done by removing the cap and adjusting the regulating screw.

The Regulating Spring load tends to close the main valve against the opening force of the upstream (or relief) pressure. The main valve will be open at the slightest increase in pressure above the spring set point, and closes when the excess pressure has been relieved.

Each Watson McDaniel Company Product is warranted against defects in material and workmanship for one year from date of shipment. This warranty extends to the first retail purchaser only. All defective material must be returned to the person from whom you purchased the Product, transportation prepaid, free of any liens or encumbrances, and if found to be defective will be repaired free of charge or replaced, at the warrantor's or seller's option. If the material is replaced, any replacement will be invoiced in the usual manner and after inspection of alleged defective material an adjustment will be made for depreciation caused by purchaser's use. In no event will Watson McDaniel Company be liable to do more than refund the original contract price. Incidental and consequential damages are excluded, whether under this warranty or otherwise. All implied warranties, including warranties of merchantability and fitness for a particular purpose, are disclaimed and excluded.

INSTALLATION & OPERATION

Before installing relief valve, blow out pipe line to remove dirt, pipe scale and sediment. The Series 10691 valve should be installed in an upright, vertical position (inlet to bottom). To adjust 'set pressure' of valve remove top cap, loosen brass lock nut and adjust pressure by turning steel set screw. Turn screw clockwise to increase the compression on the spring and increase the set pressure within the limits of the spring range. Reversing the set screw lowers the 'set pressure'. Tighten the lock nut and replace top cap and gasket when desired set pressure is reached.



SERIES 10691 TYPICAL INSTALLATION

MAXIMUM OPERATING PRESSURE AND TEMPERATURE

300 PSIG @ 180°F

SERIES 10691 RELIEF PRESSURE SPRING RANGES

psig	Spring #/Color Code
1 to 6	4/black
5 to 35	3/silver
25 to 100	2/blue
75 to 300	1/red