



# **SPECIFICATION MODEL T-SERIES**

## **DIRECT ACTING PRESSURE REDUCING VALVE**

### **APPLICATION**

The direct acting pressure reducing valve shall automatically throttle to reduce a high incoming pressure to a lower, constant discharge pressure regardless of variations in upstream pressure or flow rate.

### **DESIGN**

The pressure reducing valve shall be globe (inline) body with female NPT end connections or union connections (soft faced), direct acting type, with diaphragm operated piston and a single full-ported seat (seat bore equal to size of valve). The valve shall be packed with Buna-N and polyurethane (or other soft material) to insure tight closure and prevent metal-to-metal friction and seating. The design shall be such that repairs and dismantling internally of main valve may be made without its removal from the line. The valve shall be completely factory assembled.

### **PHYSICAL & CHEMICAL PROPERTIES**

Valve shall be constructed of bronze components that conform to ASTM Specification B-584 and stainless steel components that conform to ASTM Specification A-743 Grade CF-8 or CF-8M.

The threaded and union assembly ends shall conform to ANSI standards for Female National Pipe Threads (FNPT).

### **TESTING**

A trio of tests shall be performed on the completely assembled valve prior to shipment. These shall include a hydrostatic test of up to two (2) times the working pressure (maximum 500 psi testing pressure), a tight seating test, and a performance test for simulated field conditions. The tests may be witnessed by the customer/engineer or representative.

The valve shall be equal in all respects to the Model T-Series as manufactured by Ross Valve Mfg. Co., Inc, 6 Oakwood Ave, Troy, NY 12180.

Note: The Ross Valve Mfg. Co., Inc. reserves the right to modify valve construction which will result in equal or superior performance to existing designs. These modifications may be made at any time and at the sole discretion of the manufacturer.