SPECIFICATION
MODEL 98EP
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 flanged or female NPT end connections, be fully mounted, direct acting type, with 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 of the valve shall be such that the inlet pressure is hydraulically balanced so that changes in inlet pressure will not affect the outlet pressure. 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 body shall be constructed of gray iron casting that conforms to ASTM Specification A 126 Class B. Bronze components shall conform to ASTM Specification B-584. Seat Ring and other internal stainless steel components shall conform to ASTM Specification A-743 Grade CF-8 or CF-8M.

The flanged and threaded assemblies shall conform to ANSI standards for wall thickness of body and caps, and flange thickness and drilling, subject to other specified standards.

PAINT
Ferrous surfaces of the valve shall be coated with NSF Certified Epoxy (Tnemec Series FC20) in accordance with ANSI/NSF Std. 61, and conforming to AWWA D102 Inside System No. 1.

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 98EP 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.