SPECIFICATION
MODEL 20WR
INTERNAL PILOT OPERATED PRESSURE RELIEF VALVE

APPLICATION
The internal pilot operated angle-body relief valve shall automatically open to prevent inlet pressure from exceeding a maximum setting.

DESIGN
The relief valve shall be angle (90 degree) body with flanged or female NPT end connections, be fully mounted, and internal pilot operated. It shall contain a single full-ported seat, with seat bore equal to size of valve. The valve shall be packed with leather (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.

PHYSICAL & CHEMICAL PROPERTIES
Valve shall be constructed of bronze components that conform to ASTM Specification B-584. Seat Ring and other 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
Valve body 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 20WR 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.