The Deringer 20(x) Double Check Valve Assembly is designed to prevent non-health hazard pollutants from entering the potable water supply system caused by backpressure and/or backsiphonage conditions.

Sizes: 2½”, 3”, 4”, 6” (20X), 8”
Working Pressure: 10-175psi (0.7-12.1 bar)
Temperature Range: 33°-140°F (1°-60°C)
End Connections
- IPS Groove for Steel Pipe: AWWA C606
- Flange Adapters: ANSI B16.1 Class 125
Lead Free: 0.25% Maximum by Weight

Integral Shut-Off Valves
Indoor/Outdoor Application

Dual Action™ Check Modules
- Poppet Action at Low Flow
- Swing Action at High Flow
- Patent Pending

Prewired Supervisory Switches

Silicone Elastomer Check Discs

100% Stainless Steel Housing

Tamper Resistant Test Cocks

Flange Adapters Available

IPS Grooved Ends

Approved for Fire Protection, Waterworks, Plumbing, and Irrigation Applications!

**Engineering Specifications**

The Deringer 20(x) Double Check Valve shall utilize two independent Dual Action Check modules and two integral resiliently seated shut-off valves all of which shall be contained within a single rigid valve housing constructed entirely of 304 stainless steel. Both integral shut-off valves shall include pre-wired supervisory tamper switches contained within a weatherproof actuator housing approved for both indoor and outdoor use. Dual Action Check modules shall operate as a “poppet style” check under low flow conditions, operate as a “swing style” check under high flow conditions and utilize replaceable silicone elastomer sealing discs. Assembly test cocks shall be handle-less and operate via a tamper resistant actuator. Assembly shall have a single full access service port and cover with an “inline” replaceable elastomer seal. Assembly shall be serviceable without special tools and approved for both horizontal and vertical applications.
Flow Performance

Pressure Loss (psid) vs Rate of Flow (gpm)
- Rated Flow
- UL Tested
- 15 fps

Measures & Materials

*Specific orientation & agency flow characteristics available on website

Valve Housing: 304 Stainless Steel
Valve Cover: 304 Stainless Steel
SOV Disks: EPDM/304SS
SOV Shafts: 304 Stainless Steel
SOV Bearings: Teflon/Bronze
Non Wetted Bolts: Grade 8 Zinc Plated
Wetted Fasteners: 18-8 Stainless Steel
Check Springs: 17-7 Stainless Steel
Check Pins: 17-7/18-8 Stainless Steel
Check Seats: Noryl Polymer (NSF)
Check Disks: Silicone (NSF)
O-Rings: Buna-N (NSF)