



TYPE D50 STAINLESS STEEL STEAM PRESSURE REDUCING VALVE

**Pressures To 300 PSIG (21 barg)
Temperatures to 420°F (216°C)**

Tight Shutoff—Spherical seating surface on floating stainless steel disc ensures ANSI/FCI 70-2 Class IV Shutoff.

Unique Adjustable Aspirator—Allows valve to be adjusted to suit service requirements.

Three Spring Ranges—Provide for wide range of controlled pressures.

External Adjusting Screw—Allows for quick, accurate change of reduced pressure set point.

High Grade Stainless Steel Spring—Accommodates wide range of adjustment without dangerous spring overload.

Large Area Diaphragm—Assures high sensitivity and accurate control.

External Body Cap—Provides easy access to internal screen for cleaning.

APPLICATIONS

- Clean steam systems utilizing deionized steam
- In-line sterilization of liquid storage tanks and distribution equipment
- Cleaning and sterilizing process piping systems
- Powering sterilizers and autoclaves

Canadian Registration # 0C0591.9

MODELS

- **D50SS**—Stainless Steel D50

OPERATION

Regulator is actuated by changes in the downstream pressure. Any increase in the downstream pressure above the set point (due to decreased fluid demand) will force the diaphragm up and overcome the resistance of

the spring, allowing the valve to close. Any decrease in the downstream pressure (due to an increased fluid demand) will decrease the pressure on the diaphragm and permit the spring to open the valve.

