

# Model ES

Description . . . . . Flow Regulator Valve

## Dimensional Data

- Body Material:** Cast Grey Iron
- Valve Weight:** 3.5 lbs. (1.31 Kg.)
- Working Pressure:** 2500 PSI (176 KG/CM<sup>2</sup>)
- Standard Orifice Sizes Available:**
  - 5/16 - .312 (7,9)
  - 3/8 - .375 (9,5)
  - 7/16 - .438 (11,1)
  - 1/2 - .500 (12,7)

As unregulated flow enters the "ES" valve from the pump, the pressure drop across the orifice creates a force that works against the restraining spring. If the flow is enough to generate a force that exceeds the spring force, the excess flow\* is allowed to escape through the "excess flow" port.

\* The excess flow cannot be used for a secondary circuit. It must be returned to tank.

