**Watts ACV Features**

- **Standard Production Valves:**
  - Wide range of sizes 1 1/4" - 24".
  - Fused epoxy coating 100% inside and out. (FDA and NSF approved, Meets AWWA standards).
  - Exclusive "QUAD SEAL" - retained on 3 1/2 + sides - positive drip-tight closure - longer life span (non-edged seat).
  - Diaphragm actuated (one moving part).
  - FDA approved diaphragm materials.
  - Hydraulically operated (frictionless).
  - Top and bottom guided stem.
  - Packless construction (less maintenance).

**Basic Valve**

- **Body and Cover:** Ductile Iron: ASTM A536 65-45-12.
- **Seat:** Stainless Steel - AISI 316 - 1 1/4" - 8".
- Optional: Stainless Steel - AISI 316 - 10" - 24".
- **Stem:** Stainless Steel - AISI 303.
- **Spring:** Stainless Steel - AISI 302.
- **Elastomers:**
  - Diaphragm: Nylon reinforced BUNA-N (Nitrile).
  - "Quad Seal": BUNA-N (Nitrile).
  - Other materials available.

**Hydraulic Control Pilots**

- **Bodies:** ASTM B584, Alloy C84400.
- **Internals:** Stainless Steel - AISI 303.
- **Elastomers:** BUNA-N (Nitrile).
- Other materials available.

**Miscellaneous Control Accessories**

- **Bodies:** Brass - ASTM B584, Alloy C84400.
- **Internals:** Stainless Steel - AISI 303.
- **Elastomers:** (where applicable): BUNA-N (Nitrile).
- Other materials available.

**Electrical**

- 120 VAC, 60 Hz. Optional voltage available.
- **Body:** Brass, Optional: Stainless Steel.
- **Enclosure:** General Purpose (NEMA Type 1, 2, 3, 3S, 4, 4X).
- Optional: Explosion proof (NEMA Type 3, 3S, 4, 4X, 6P, 7, 9).

**Control Circuit Strainer**

- 1/4" - 3" In-line, Flo-clean, Optional: Isolation Cocks.
- 4-24" External, "Y" strainer + Isolation Cocks (unless noted on drawing).

**Control Tubing/Fittings**

- Copper, seamless annealed/Brass flared end. Optional: Stainless Steel / Stainless Steel.
- Operating Temperatures (BUNA-N).
- Water: +32 degrees to 180 degrees F.

**End Connections/Maximum Working Pressure**

- Ductile Iron: 150# F.F. Flange: ANSI B16.42 / 250 PSIG.
- 300# F.F. Flange: ANSI B16.42 / 400 PSIG.
- Threaded: ANSI B16.4 / 400 PSIG.

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**Example of Standard ACV 115 Pressure Reducing Diagram**