

Williams' Pressure Reducing Valve (WPRV/3, 3P, 4 & 4P)

Description:

Maintains constant pre-set inlet pressure for use in conjunction with the Williams "High Head" Through/Around The Pump (or comparable) foam systems. Allows any firewater pump to produce suction side foam at virtually ANY positive inlet pressure. As such, the WPRV eliminates need for operator intervention to adjust intake gate valves due to suction pressure fluctuations as a result of changes in pump discharge flow. Thus, the added burden of assuring a maximum pump intake pressure (based on pump discharge pressure) associated with traditional suction side foam systems simply goes away.

Additional Applications:

Got a CAFS or Balanced Pressure system? The WPRV can provide reduced pump inlet pressures to allow increased engine/PTO speed to maintain higher compressor or foam pump output when operating with positive pump inlet pressures. Installed within a discharge line, the WPRV maintains a preset pressure for hand lines or ground monitors independent of higher pump discharge pressures.

Features:

3 Modes of Operation:

1. AUTOMATIC - Controls pre-set pressure from 15-115 PSI

2. OPEN - Full flow to rated capacity

WPRV/3 – 500 GPM w/ 7 PSI drop

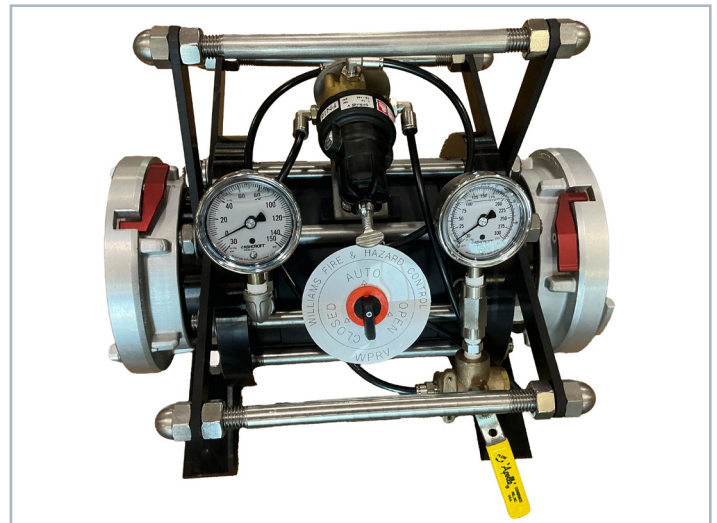
WPRV/4 – 1500 GPM w/ 20 PSI drop

3. CLOSED – Bubble tight shut off

NFPA 1901, 14-6 COMPLIANT – Exclusive WPRV pilot control also provides bubble tight shut off to comply with NFPA 1901, 19-3.6, TIA 99-1 preventing foam solution back flow into a potable (hydrant system) water supply

PRESSURE RATINGS – 230 PSI Max. – 20 PSI Min. (Prevents reducing hydrant system pressures below 20 PSI)

INLET/OUTLET – WPRV/3: 2.5" NST; WPRV/4: 5" Storz



Options:

WPRV/3 & 3P (Portable)

- "In-Truck" installation with panel mount control valve, standard 2.5" (F) NST swivel inlet w/ strainer and bleeder port
- 3" (F) NST inlet w/strainer/outlet
- 4" Storz inlet w/strainer/outlet WPRV/4 & 4P (Portable)
- "In-Truck" installation with panel mount control valve, standard 5" Storz inlet w/strainer, adjustable intake relief, bleeder port and mounting hardware
- Inlet intake relief valve & bleeder (4P)
- 4" Storz inlet w/strainer/outlet
- 6" (F)NST swivel outlet for direct mounting to pump intakes
- Inlet/outlet pressure gauges
- Carrying handle
- 5" LDH X 10' Long with 5" Storz couplings (200 PSI operating pressure)

Materials of Construction:

- WPRV/3 & 3P - Epoxy coated cast iron w/brass and stainless steel trim
- WPRV/4 & 4P - Epoxy coated & anodized aluminum w/ brass and stainless steel trim