

Watts ACV

Fire Protection Valves
UL Listed/FM Approved

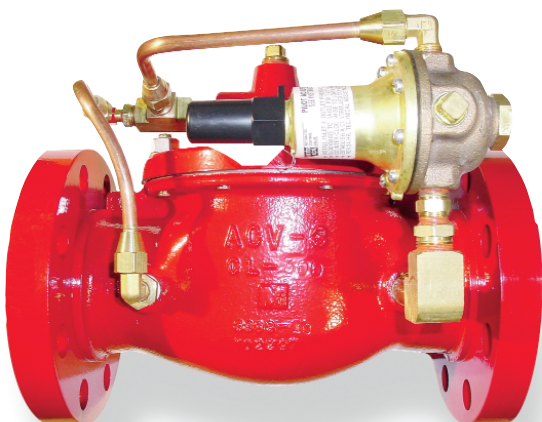


WATTS®
ACV

Specifying automatic control valves (ACVs) for water-based fire protection systems is a critical balancing act. On the one hand, you must have utmost confidence in the quality and performance of the valves. They must be UL Listed and/or Factory Mutual Approved. In short, the reliability of these valves must be unquestioned to meet the design and operating parameters specified by UL and FM requirements.

On the other hand, to finish the job within the required timeframe and budget constraints, the ACVs you specify must be readily available off the shelf, and they must be priced competitively. This ensures that you make a reasonable profit while delivering a system in a timely manner that is fail-safe and reliable.

Watts ACV has manufactured Automatic Control Valves since 1967 and is part of Watts Industries, one of the world's largest providers of valves, water quality, and other flow control products. Our reputation for quality and service is unrivaled in the industry, and we provide a broad offering of ACVs for water-based fire protection systems as outlined:



Pressure Reducing Valve **Model 115F/1115F, UL Listed**

Our Watts 115F (globe style) and 1115F (angle style) Pressure Reducing Valves automatically reduce the higher inlet pressure to an adjustable lower outlet pressure, regardless of the changing flow rate or varying inlet pressure.

- Diaphragm actuated, pilot-controlled; flow capacity not affected by pressure drop
- Top and bottom guided stem prevents stem deflection and provides precise throttling
- Quad Seal™ provides drip-tight closure and a "spare" seal on reverse side
- Non-edged seat provides longer seat and seal life
- Epoxy coated body and cover are fusion bonded inside and out to stop rust, extend pilot and valve life and reduce maintenance
- Anti-scale stem and seat prevent mineral deposit build-up to assure stem movement and positive shutoff



UL LISTED
8L00
Pressure Control
Valve

UL Listed - 3", 4", 6", 8" Globe and Angle in 125#
UL Listed - 3", 4", 6" Globe and Angle in 300#



Fire Pump Pressure Relief Valve **Model 116FM/1116FM, UL Listed, FM Approved**

Our Watts 116FM (globe type) and 1116FM (angle type) Fire Pump Pressure Relief Valves meet all requirements for UL Listed, FM approved fire protection service. When the upstream pressure increases to the relief set point, the control pilot begins to open, increasing flow through the control tubing. This causes pressure to decrease in the main valve, causing it to open the appropriate amount to relieve excess upstream pressure, thus maintaining desired system pressure.

- Top and bottom guided stem prevents stem deflection and provides precise throttling
- Quad Seal™ provides drip-tight closure and a “spare” seal on reverse side
- Non-edged seat provides longer seat and seal life
- Epoxy coated body and cover are fusion bonded inside and out to stop rust, extend pilot and valve life and reduce maintenance
- Anti-scale stem and seat prevent mineral deposit build-up to assure stem movement and positive shutoff
- One moving part (stem assembly) simplifies servicing while valve is in line; no packings to replace or service



**FACTORY
MUTUAL
APPROVED**
(Patent No. 1A2A3AH)



UL Listed - 3", 4", 6", 8" Globe and Angle in 125#
UL Listed - 3", 4", 6" Globe and Angle in 300#



Pump Suction Control Valve

Model 116-1FM/1116-1FM

Designed for Fire Pump Suction Control Service, the Watts 116-1FM Automatic Control Valves assure that the suction head pressure does not fall below the pre-set minimum. The Watts 116-1FM valves automatically modulate to keep the pump discharge in relation to the available suction head.

- Top and bottom guided stem prevents stem deflection and provides precise throttling
- Quad Seal™ provides drip-tight closure and a “spare” seal on reverse side
- Non-edged seat provides longer seat and seal life
- Epoxy coated body and cover are fusion bonded inside and out to stop rust, extend pilot and valve life and reduce maintenance
- Anti-scale stem and seat prevent mineral deposit build-up to assure stem movement and positive shutoff
- One moving part (stem assembly) simplifies servicing while valve is in line; no packings to replace or service



FM Approved - 4", 6", 8", Globe and Angle



Deluge Valve – Pneumatic-Hydraulic Model 100D-A, UL Listed

The Watts 100D-A Deluge Valve opens on demand to provide water flow to the fire protection sprinkler system. The 100D-A's pilot system can be hydraulically, pneumatically, or manually operated. The valve opens as a result of loss pressure or from manual operation.

- Diaphragm actuated, pilot controlled
- Top and bottom guided stem prevents stem deflection and provides precise throttling
- Quad Seal™ provides drip-tight closure and a “spare” seal on reverse side
- Non-edged seat provides longer seat and seal life
- Epoxy coated body and cover are fusion bonded inside and out to stop rust, extend pilot and valve life and reduce maintenance
- Anti-scale stem and seat prevent mineral deposit build-up to assure stem movement and positive shutoff
- One moving part (stem assembly) simplifies servicing while valve is in line; no packings to replace or service



UL LISTED
6M88

Valve sizes approved by Underwriter's Laboratories: 4", 6", 8", 10"
Available in Cast Iron 125# and Cast Steel 150#, with either Copper tubing and Brass fittings, or Stainless Steel tubing and fittings.



Deluge Valve – Electronically Actuated Model 100D-B, UL Listed

The Watts 100D-B Deluge Valve opens on demand to provide water flow to the fire protection sprinkler system. The 100-D-B's pilot controller can be hydraulically, pneumatically, or manually operated. Valve can be opened by electrical signal to a solenoid or by manual operation.

- Top and bottom guided stem prevents stem deflection and provides precise throttling
- Quad Seal™ provides drip-tight closure and a "spare" seal on reverse side
- Non-edged seat provides longer seat and seal life
- Epoxy coated body and cover are fusion bonded inside and out to stop rust, extend pilot and valve life and reduce maintenance
- Anti-scale stem and seat prevent mineral deposit build-up to assure stem movement and positive shutoff
- One moving part (stem assembly) simplifies servicing while valve is in line; no packings to replace or service
- 2" NPT ports provide access for testing and drainage



UL LISTED
6M88

Valve sizes approved by Underwriter's Laboratories: 4", 6", 8", 10"
Available in Cast Iron 125# and Cast Steel 150#, with either Copper tubing and Brass fittings, or Stainless Steel tubing and fittings.

**For more information on
our ACVs for Fire Protection Service, please call
713-943-0688**

**or visit our web site:
www.wattsacv.com**

**To receive literature on these products, please call
1-800-617-3274**

