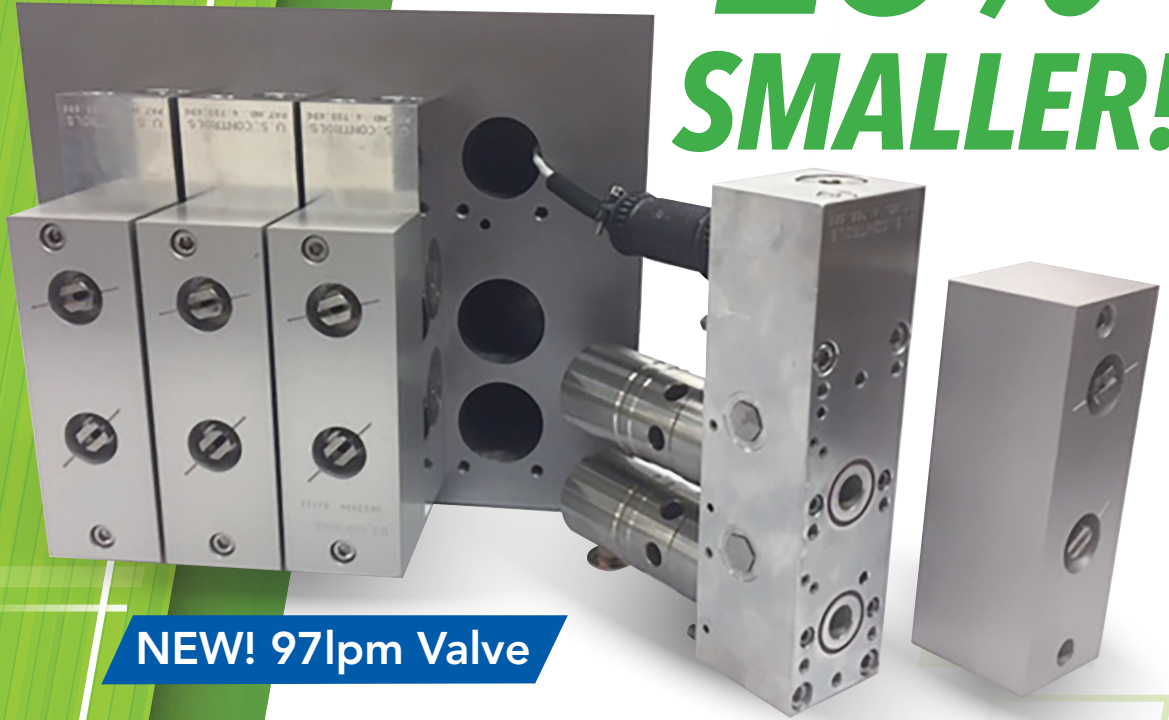


USControls®

World Leading Rolling Mill Spray Systems

US Controls designs and manufactures the best valves in the industry. Our latest design builds on our proven 94lpm (or 25gpm) valve and reduces it into a smaller package, making it ideal for any application.

World's Most Reliable Water-Soluble Valve is **NOW 25% SMALLER!**



NEW! 97lpm Valve

- 25% Smaller - Fits into Tighter Spaces
- Maintenance - More Room to Work
- Engineering - More Room to Design Into Tight-fitting Areas
- Same Moving Parts as the World Beating 94LPM Valve
- Common Replacement Parts

The 97lpm Valve Series is still the same maintenance friendly valve design for quick troubleshooting and replacement.

MADE IN USA



**US CONTROLS
CONTACTS:**

Rod Christensen - Operations Manager
Phone: 330-758-1147 ext. 102
Email: rchristensen@unitedstatescontrols.com

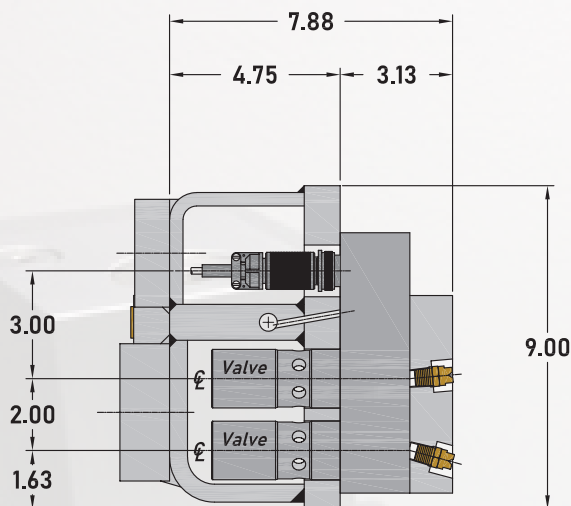
Lisa Quinn - Commercial Manager
PH: 330.758.1147 ext. 104
Email: lquinn@unitedstatescontrols.com

Same US Controls Advantages

- Valve Header Options - One, Two, and Three Rows
- Two-Year Warranty - New systems, Factory repairs, and Upgrades.
- Front-of-the-Header Access - No need to remove the header for service.
- 24VDC Valves - Compatible with Shape Systems or Operates as a Stand-alone Manual Control.
- Selective Digital on/off Control or Variable Flow Rate Pulse Control up to 5/Sec.
- Current Limiting Coil Design - Prolongs Coil/electronics Life, Reduces Energy Usage and Coolant Chamber Heat
- Liquid Tight Connectors - Viton Seals Inhibit Corrosion of Electric Contact Pin

97lpm to 94lpm Valve Comparison

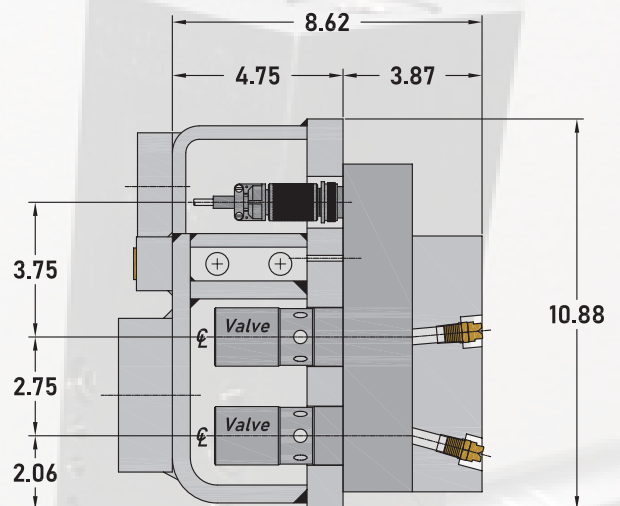
2 Row (3:1) 97lpm



NEW!! - 97lpm Valve Specifications

Flow Rating at 7 Bar (100psi)	97 L/Min. – Normally Open
Coolant Pressure Range	2.8 - 11.0 Bar (40 – 160psi)
Temperature Range	4 - + 82 C (40 - + 180 F)
Spray Zone Width – Min.	25mm (0.98 In.) Centers
Voltage	24.0 VDC + 5% - 5%
Current	0.35 Amps Max.
Response Time in Milliseconds	30 Open - 30 Close
Electrical Ratings	Continuous Duty or Pulsing
Fluids	Mineral and Water-Soluble Oils
Filtration	190 In. Diameter Screen or #4 Mesh
Viscosity	1 SUS to 150 SUS
Seal Materials	Military Specification Viton
Internal Parts	Hardened Stainless Steel
External Parts	Stainless Steel
Life Expectancy	10 Million Cycles
Pilot Air Required at Header	Min. 60% of Coolant Pressure
Max. Pilot Air Pressure	8.28 Bar (120psi)
Pilot Air Volume Required	.0002 Cubic Feet Pilot Air \ Cycle Closed
Condition of Pilot Air	40 Micron Filtered and Lubricated
Vibration - Shock	+/- 10 G'S

2 Row (3:1) 94lpm



Comparison of Original 94lpm (25gpm) Valve with the Newly Designed USC 97lpm Valve

- Valve and header installation envelope are approximately 25% smaller
- Larger fasteners for easier valve installation during mill outages
- Many consistent replacement parts typical between the two designs
- Less room needed for designing 97lpm systems into tight spaces
- The 97lpm valve series has the same US Controls performance and reliability

