



**When
Quality
Matters**

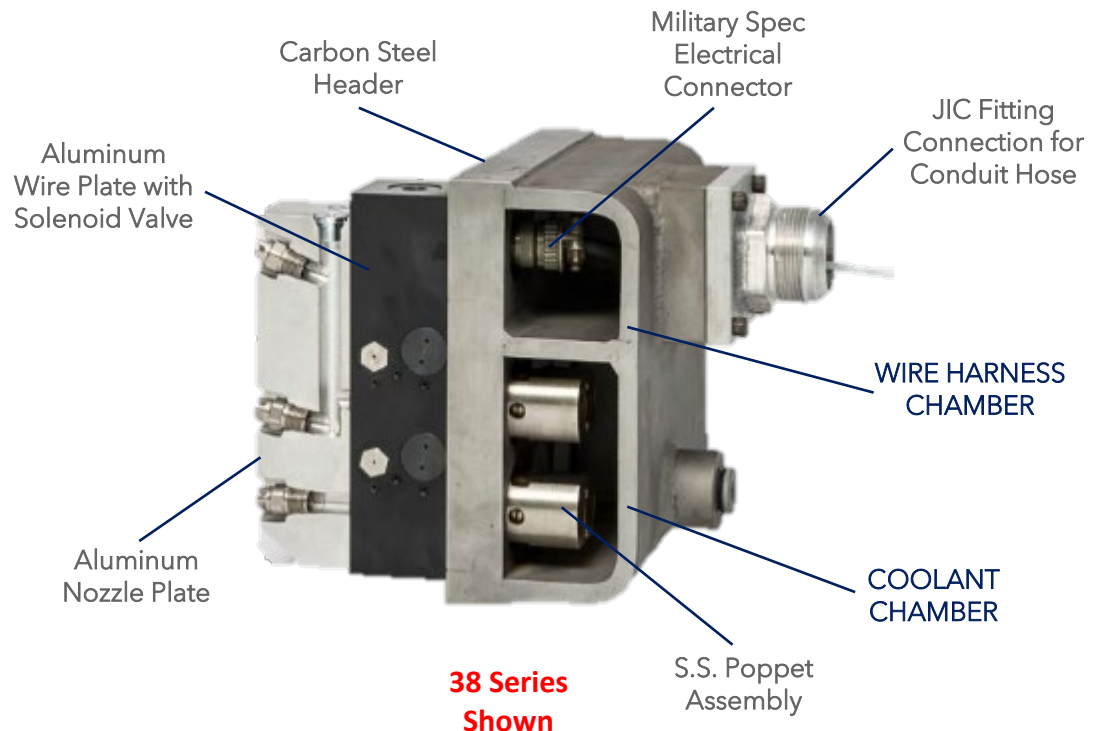
World Leading Mineral Oil Roll Cooling Spray Systems



US Controls Precision Control – Superior Flatness

Mineral Oil Based Spray Systems

- Valve Design is Normally Closed
- Viton Seat with Metal-to-Metal Seat Backup – *No Unreliable Diaphragms*
- Interacts with all Flatness Control Platforms
- Available in One, Two, or Three Row Valve Configuration



US Controls Advantages

- The World's Most Durable Valve Lines for Over 30 Years!
- Two Year Warranty on All Spray Systems and Upgrades
- Modular Design – Access to All Components Without Ever Removing the Header, *Including* Electrical Connections
- Compatible With All Shape Systems or Stand-Alone Direct Controls
- Selective Digital On/Off Controls or Pulse Up to Five Times Per Second
- All Fasteners Retained – Never Fall into the Mill
- Computerized Spray Pattern and Layout Analysis Provided with Every Project
- USC Spray Systems are integral in Working with AFC Systems, Resulting in Better Shape

Best in Safety Features

- Valve Function Normally Closed
- In Case of Mill Fire, Spring Loaded Poppet Shuts Off Coolant Flow if Coolant Pressure is Lost
- Quickly Change Out Valves Inside Mill Housing Eliminating Long Periods of Time Within the Mill

US Controls Influence

- Over 300 Mill Installations
- Installations in Over 20 Countries
- Over 40 Years in Business

USC Mineral Oil Series Valves

Get the **Highest Quality** Design
 Together with **Lower Maintenance**
 Achieving **Better Product** Results

US Controls

8511 Foxwood Ct.
 Youngstown, OH
 44514

Available Mineral Oil Series Spray Valves

- 56 Series Valves – 50mm minimum zone spacing
- 77 Series Valves – 50mm minimum zone spacing
- 38 Series Valves – 25mm minimum zone spacing
- One, Two, or Three Valves Per Zone

56 Series



77 Series



38 Series



**Proudly
 Made in
 America**

Mineral Oil Series Spray Valve Design Benefits

VOLTAGE	24.0 VDC + 10% - 0%
CURRENT (56 and 77 Series)	0.35 AMPERES MAXIMUM
CURRENT (38 Series)	0.25 AMPERES MAXIMUM
ELECTRICAL RATINGS	CONTINUOUS DUTY OR PULSING
SEAL MATERIALS	MILITARY SPECIFICATION VITON
VIBRATION – SHOCK	PLUS/MINUS 10 G'S

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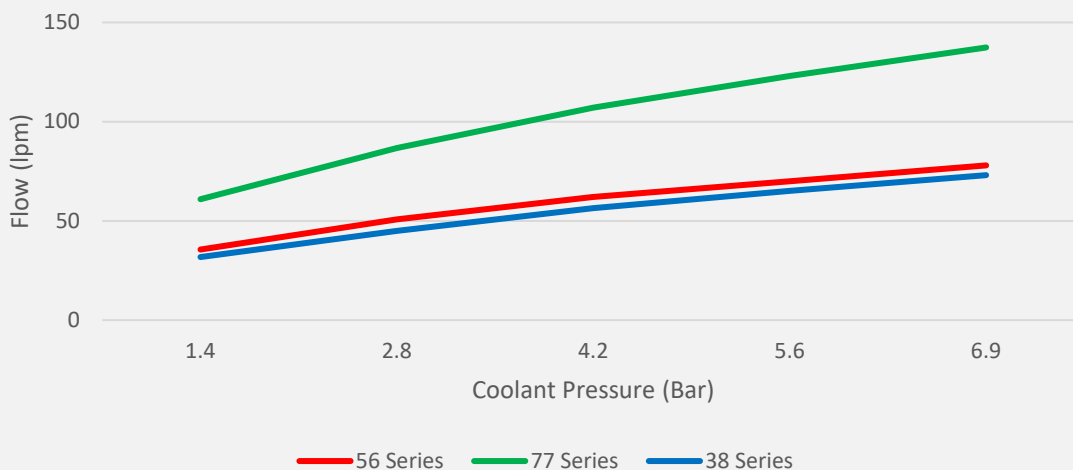
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Mineral Oil Series

USC Spray Valve Flow Chart



**Have a question?
 We're here to help!**