Air Atomizing Spray Manifolds

Your single source solution for nozzles and manifolds

• Variety of manifold configurations designed to your exact requirements
• Save time with readily available spray solutions
• Ensure spray quality with optimum spray performance
• Eliminate integration and coordination problems with a single source solution

When your spray nozzle positioning and mounting is off, even the most precise nozzles will not work effectively. That’s why Spraying Systems Co. offers a complete product line of Air Atomizing Spray Manifolds for covering a wide variety of spray application needs.
### Channel Manifold

Basic spray nozzle manifold incorporated in a C-channel for easy mounting

#### Benefits
- Available for use with three standard air atomizing nozzle models for quick delivery and set-up
- Flexible design enables spray gun spacing to be adjusted for precise spray placement
- Economical spray header solution

#### Applications
- Pulp and Paper
- General Industry

For more information and data on the Channel Type Manifold request data sheet 52493

#### Specifications
- Maximum length: 12′
- Number of zones: 1 to 3
- Materials: 304SS / Elastomer, 304SS / Brass / Elastomer
- Available for use with: 1/8JJAU, 1/4JAU and VAU air atomizing nozzles
- Adjustable spray gun spacing

### Pipe-in-Pipe Manifold

Conventional spray manifold mounted inside a slotted pipe to protect nozzles from the external environment

#### Benefits
- Lightweight for fast, easy set-up and maintenance
- Nozzle and feed pipes are fully enclosed for maximum protection and less build up, minimizing cleaning time
- Available for use with two standard air atomizing nozzle models for quick delivery and set-up

#### Applications
- Pulp and Paper
- General Industry

For more information and data on the Pipe-in-pipe Manifold request data sheet 52494 and bulletin 612

#### Specifications
- Number of zones: 1 to 3
- Materials: 304SS / Brass / Elastomer
- Available for use with: 1/8JJAU and 1/4JAU air atomizing nozzles
- Check valve and strainer integrated with each spray gun
- Outer slotted pipe to protect nozzles from external build-up
### 53500 Manifold

Modular design manifold for industrial applications

**Benefits**
- Lightweight for fast, easy set-up and maintenance
- Streamlining of tubing and fittings reduces downtime and simplifies cleaning
- Easy disassembly and reassembly, allowing manifold to be quickly put back in service
- Two versions available: standard and large capacity (LC)

**Applications**
- Pulp and Paper
- Food
- General Industry

For more information and data on the 53500 Manifold request data sheet 53500 and bulletin 610

### 54000 Manifold

Fully integrated manifold designed specifically for tablet coating applications

**Benefits**
- Lightweight for fast, easy set-up and maintenance
- Streamlining of tubing and fittings reduces downtime and simplifies cleaning
- Fast disassembly and reassembly, allowing manifold to be put back in service faster
- Mechanically polished and electro-polished surface finish, including internal flow passageways

**Applications**
- Tablet coating

For more information and data on the 54000 Manifold request bulletin 562A

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### Specifications

**53500 Manifold**
- Maximum nozzle spacing: 9”
- Maximum length: 11’
- Maximum spray set-ups: 6 standard model, 15 LC model (dependent on setup selection)
- Materials of construction:
  - Nozzles: 316 Stainless Steel
  - Air and liquid pipes: 316 Stainless Steel
  - Tube enclosure: Polypropylene
- Available with a variety of mounting options
- Available for use with: VMAU or adapted 1/4JAU set-ups
- Choice of exposed or covered tubes

**54000 Manifold**
- Maximum nozzle spacing: 9”
- Maximum length: 5’
- Maximum spray set-ups: 5 to 8 (depending on the set-up size)
- Material: 316L /Pure FDA approved Teflon®
- Specially designed for cantilevered application (indexing arms available)
- Liquid recirculation
- Stain resistant PVDF material available
- Available for use with: VMAU or adapted 1/4JAU set-ups
- Inlet connections: pipe thread, compression, or sanitary flange

*"TEFLON® is a registered trademark of E.I. DuPont de Nemours and Company
58800 Manifold

Lightweight, compact manifold allows ability to service spray nozzles while keeping piping in place

Benefits
• Lightweight for easy installation
• Corrosion resistant
• Recirculating design

Applications
• Lubrication
• Coating
• General Industry

For more information and data on the 58800 Manifold request data sheet 58800

Specifications
- Nozzle spacing: 6"
- Material: Clear anodized aluminum
- Inlet connection: 1/8" NPT (F) or 1/4"NPT (F)
- Available with 2, 3 or 4 spray nozzle assemblies
- Available for use with: 1/8JJAU-M air atomizing nozzle assemblies

Unique Design and Fabrication Capabilities

Spraying Systems Co. has developed a quality system and manufacturing process that complies with the most stringent industry requirements in order to meet your precise expectations and requirements.

Certifications and quality programs:
- ASME® qualified welding procedures
- cGMP compliance (audited by third party)

Code Compliance:
- ASME Boiler and Pressure Vessel Code
- ASME B31.1 Power Piping Code
- ASME B31.3 Process Piping Code
- Welding to ASME B&PV Code Section IX