

UNI-SPRAY SYSTEMS INC.

UNI-SPRAY

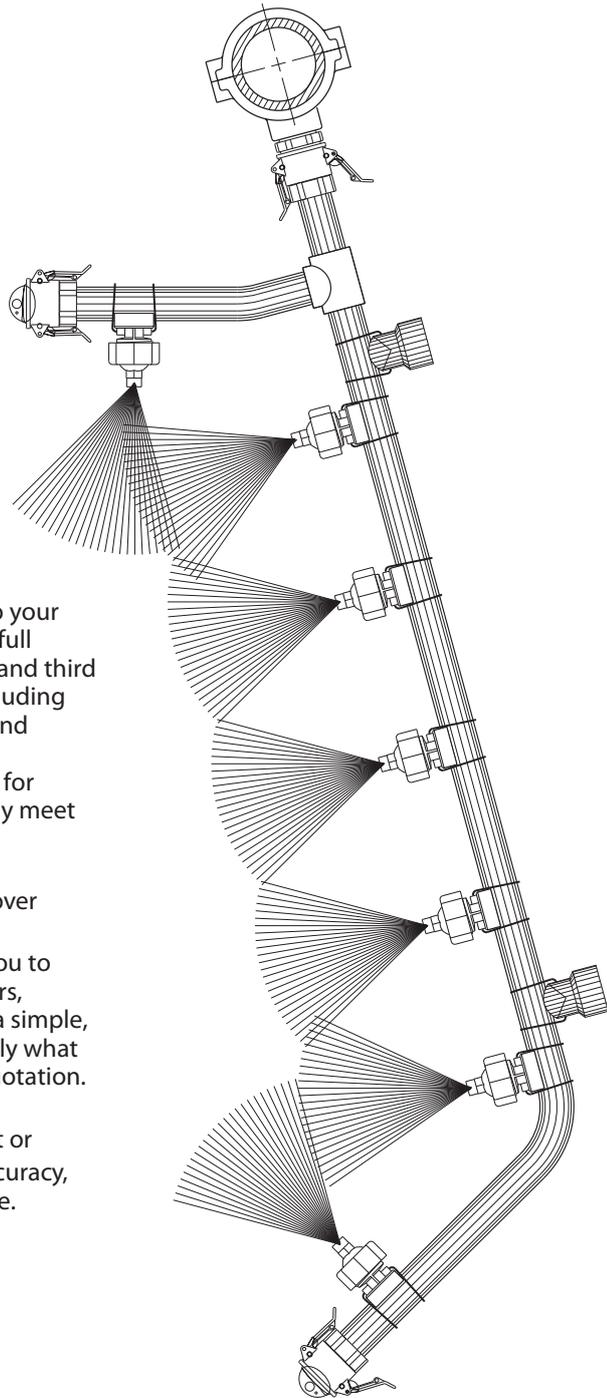
- QUIK-DISCONNECT RISERS -

Complete 'Quik-Disconnect' Riser Assemblies...

direct to you from Uni-Spray, made exactly to your specifications and ready to install. We offer a full range of our own exclusive Quik-Disconnect and third party components in a full range of sizes, including premium quality PVC, CPVC, PolyPro, Kynar and Stainless Steel pipe. To give you total design flexibility, we can custom bend the pipework for smooth flow without extra fittings to precisely meet your design configuration.

To simplify your ordering process, there are over twenty design configurations with separate worksheets for each. The worksheets allow you to enter all of the dimensions, design parameters, selection and positioning of components in a simple, fill-in-the-blank format. If you don't see exactly what you want, send us your own drawing for a quotation.

When we receive your completed worksheet or drawing, our technicians will review it for accuracy, and we will provide you with a detailed quote.

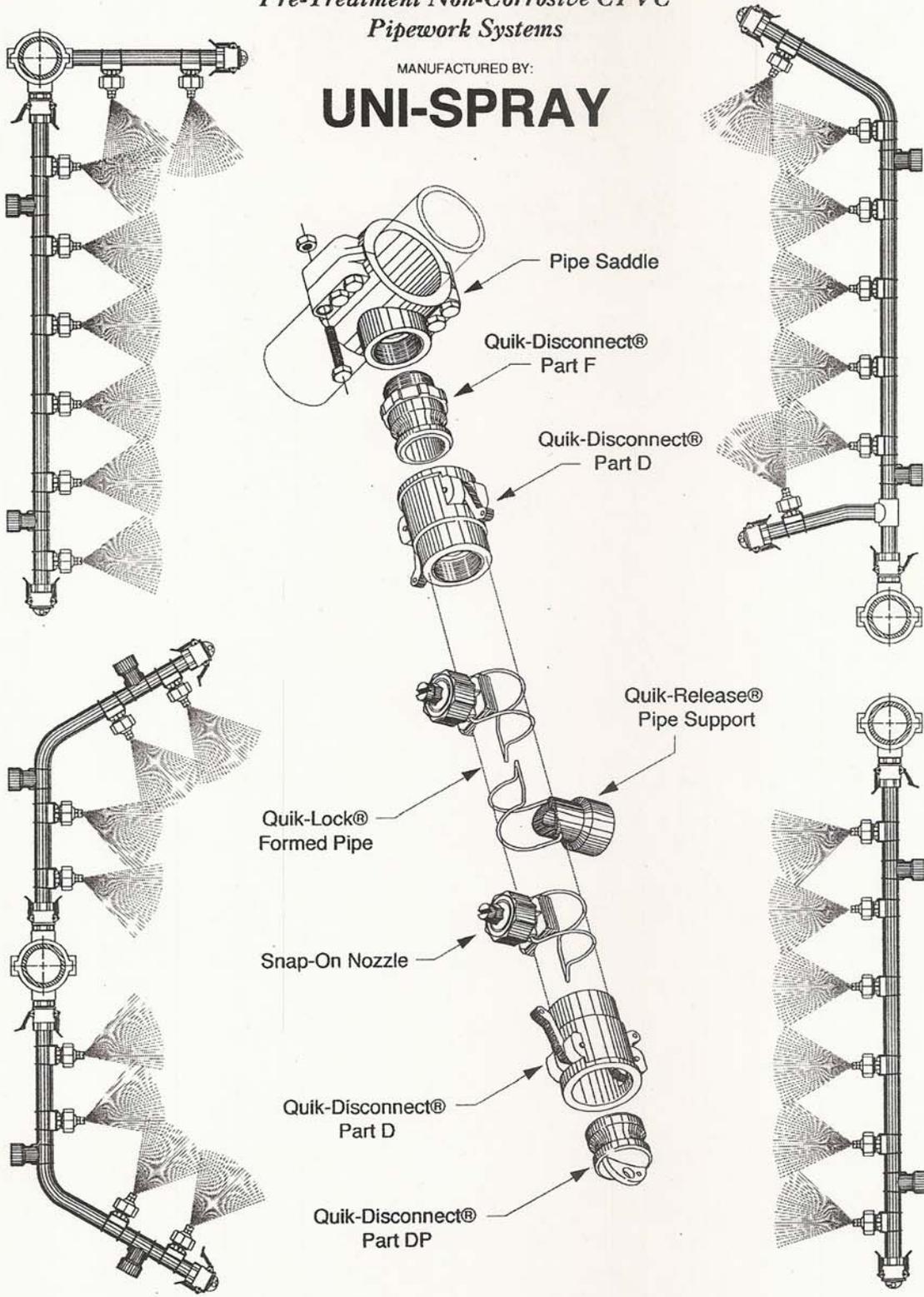


UNI-SPRAY NOZZLES INC.

*Pre-Treatment Non-Corrosive CPVC
Pipework Systems*

MANUFACTURED BY:

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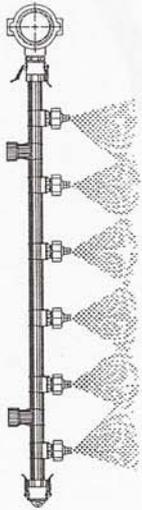
Designed For Your Application

UNITED STATES SALES OFFICE:
UNI-SPRAY USA INC.
1321 Caldwell Road,
Bradner, Ohio 43406
Tel: (419) 288-3223 Fax: (419) 288-3122

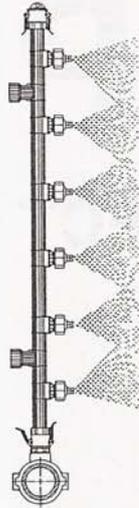
EUROPEAN HEAD OFFICE:
UNI-SPRAY EUROPE LTD.
Eastside Industrial Estate, Unit 1
Kirkintilloch, Glasgow, Scotland G66 1QG
Tel: 0141-777-8175 Fax: 0141-777-8157

CORPORATE OFFICE:
UNI-SPRAY NOZZLES INC.
611 Conrad Place,
Waterloo, Ontario, Canada N2V 1C4
Tel: (519) 885-4270 Fax: (519) 885-4325

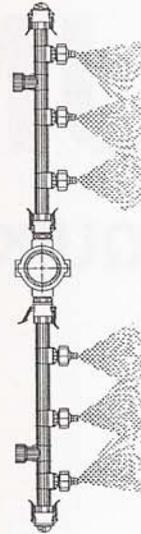
UNI-SPRAY SYSTEMS INC.



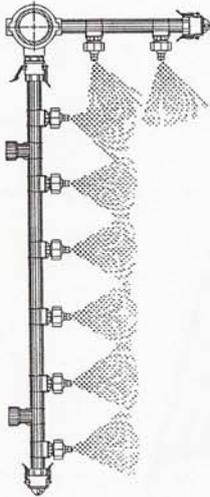
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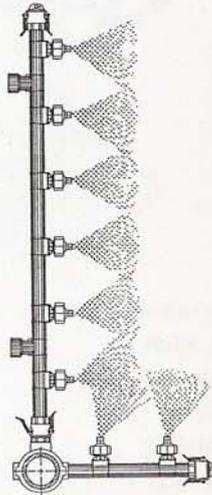
R1B



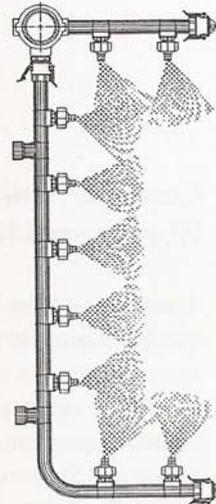
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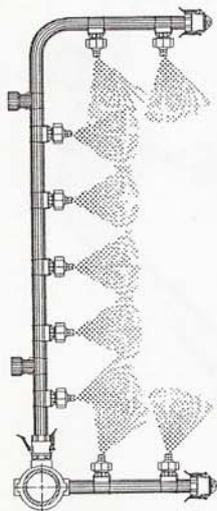
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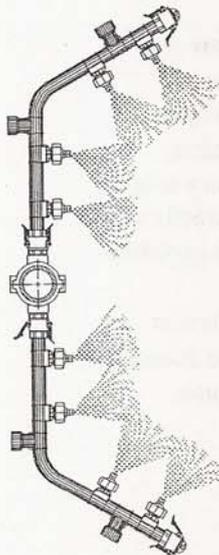
R3B



R4T



R4B



R5C

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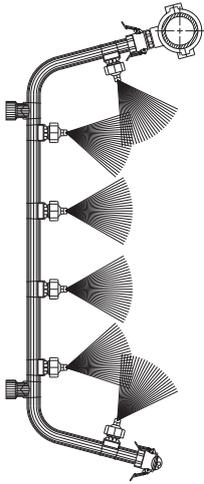
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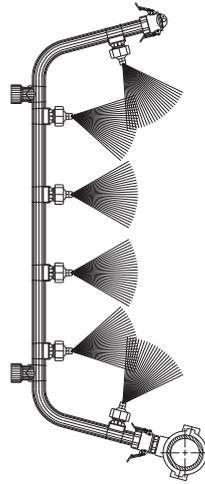
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Unit #1, 3 Campsie Road,
Ramsey Industrial Estate,
Kirkintilloch, Glasgow, Scotland G66 1SL
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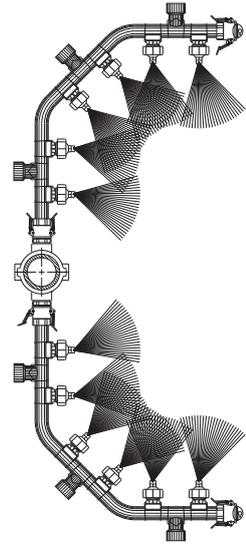
UNI-SPRAY SYSTEMS INC.



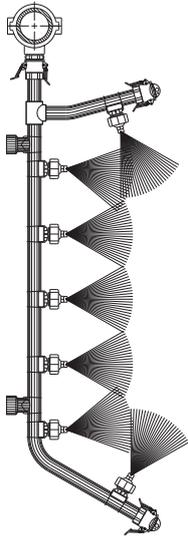
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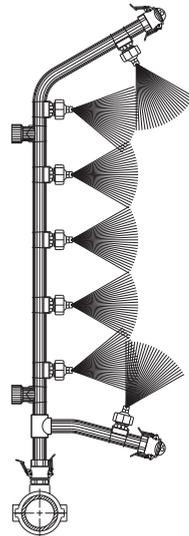
R6B



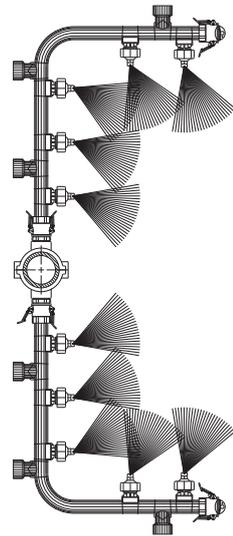
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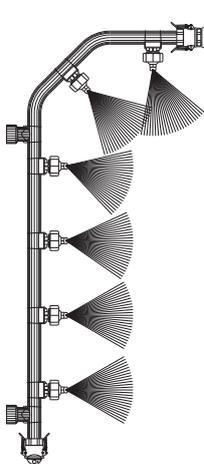
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R8B

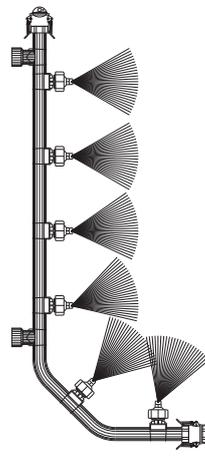


R9C



Note: two risers share a common central header.

R10T



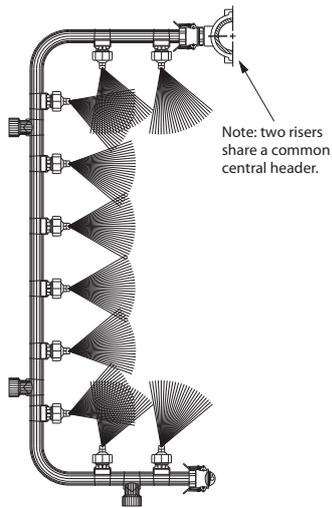
Note: two risers share a common central header.

R10B

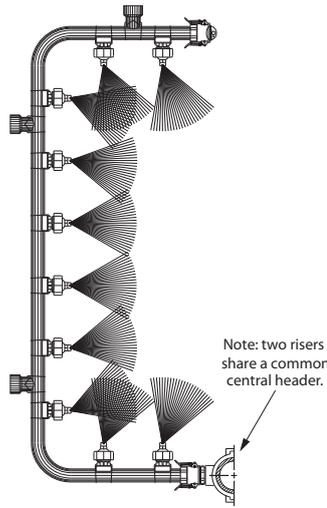
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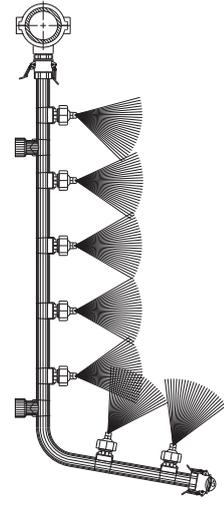
UNI-SPRAY SYSTEMS INC.



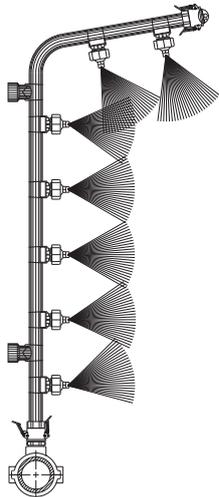
R 11T



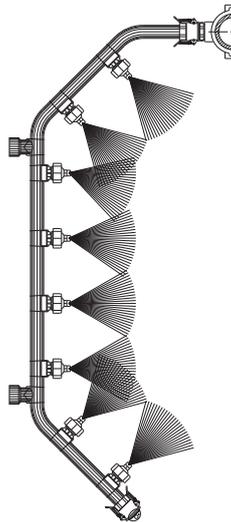
R 11B



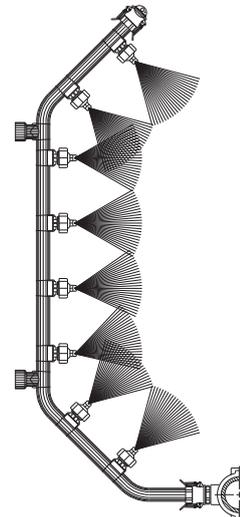
R12T



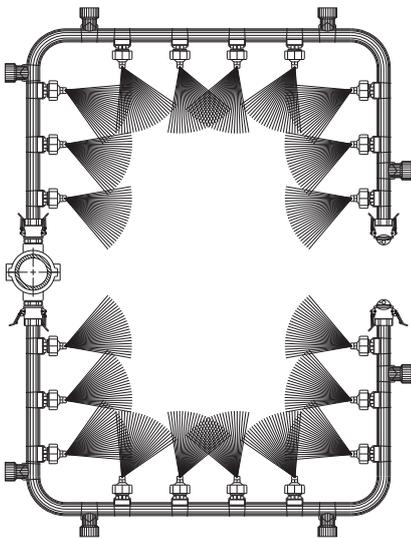
R12B



R14T



R14B



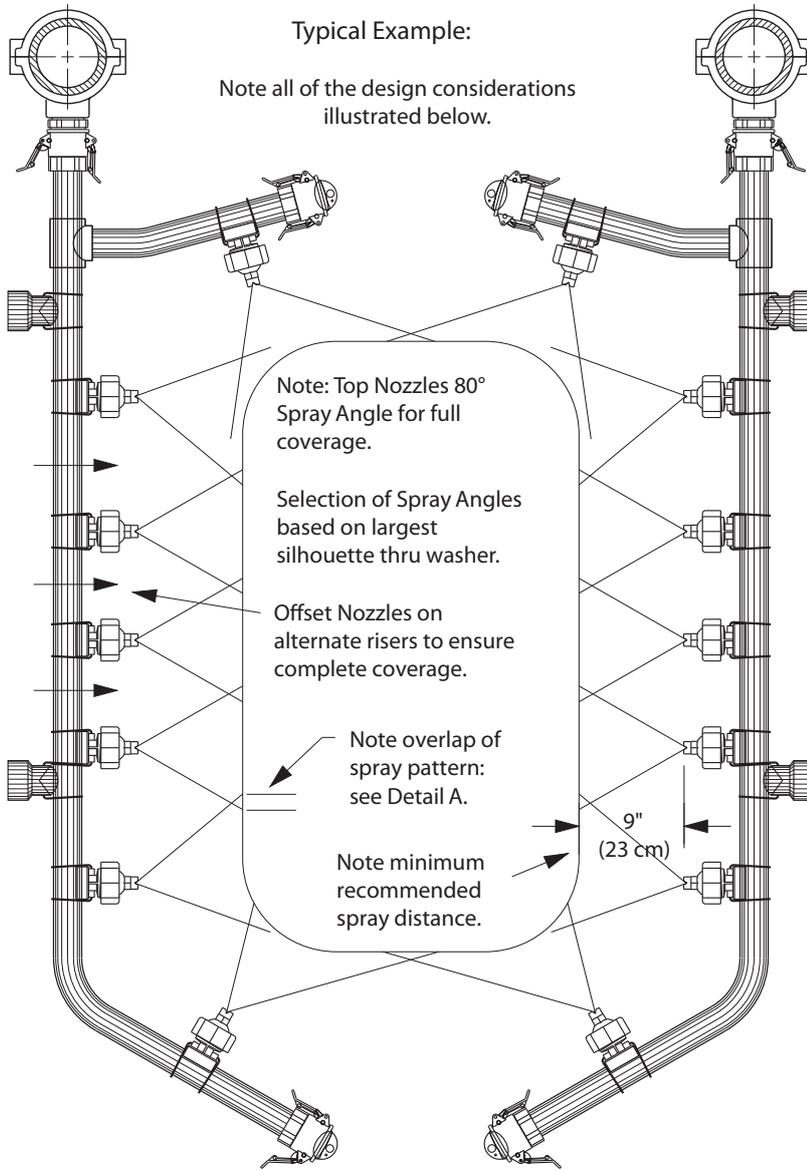
R15C

This space is reserved for your special riser design from Uni-Spray!

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SPRAY ANGLE SELECTION AND SPACING

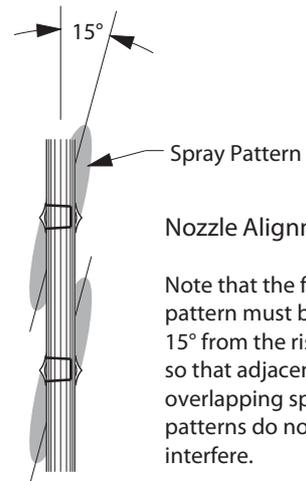


Please Note!

When selecting Nozzle Spray Angle, and the quantity and distance between nozzles, it is necessary to consider the size and shape of the largest ware that will pass through the washer.

Nozzles must be sized and spaced so that their sprays will cover the entire part, with at least 1" (25 mm) overlap between adjacent spray patterns. Sprays should be at least 9" (23 cm) from the end of the tip to the part for even coating. The nozzles should be rotated 15° from the riser axis to avoid interference from the overlap of spray patterns.

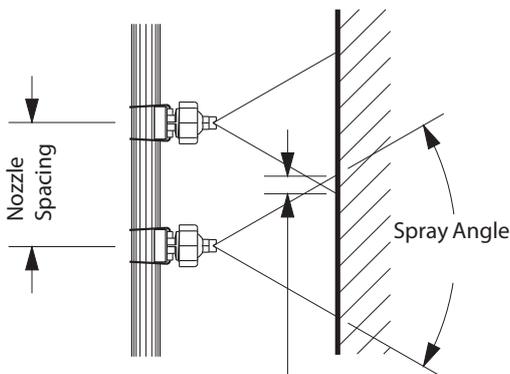
Failure to observe these guidelines may result in poor coating weights and banding.



Nozzle Alignment:

Note that the flat spray pattern must be rotated 15° from the riser axis, so that adjacent overlapping spray patterns do not interfere.

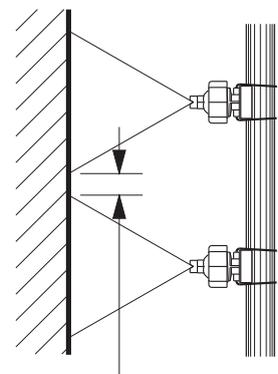
Detail A: Nozzle Spacing



Overlap: Correct

Select Nozzle Spray Angles and Nozzle Spacing on Riser so that there is at least a 1 inch (25mm) overlap between adjacent sprays, as shown at left. This measurement must be obtained using the largest silhouette which must pass through the washer.

Incorrect Spray Angle selection and Nozzle Spacing as shown at right, can result in 'banding'.



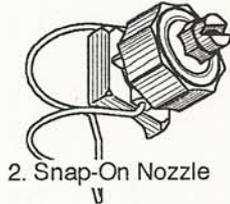
Gap: Incorrect

"Uni-Spray will custom design for your application"

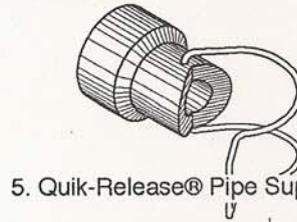
Pre-Treatment Non-Corrosive CPVC Pipework Systems

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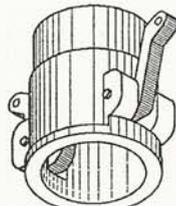
1. Quik-Lock® Formed Pipe



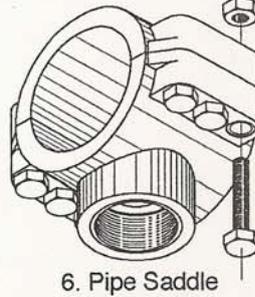
2. Snap-On Nozzle



5. Quik-Release® Pipe Support



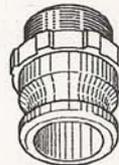
3. Quik-Disconnect® Part D



6. Pipe Saddle

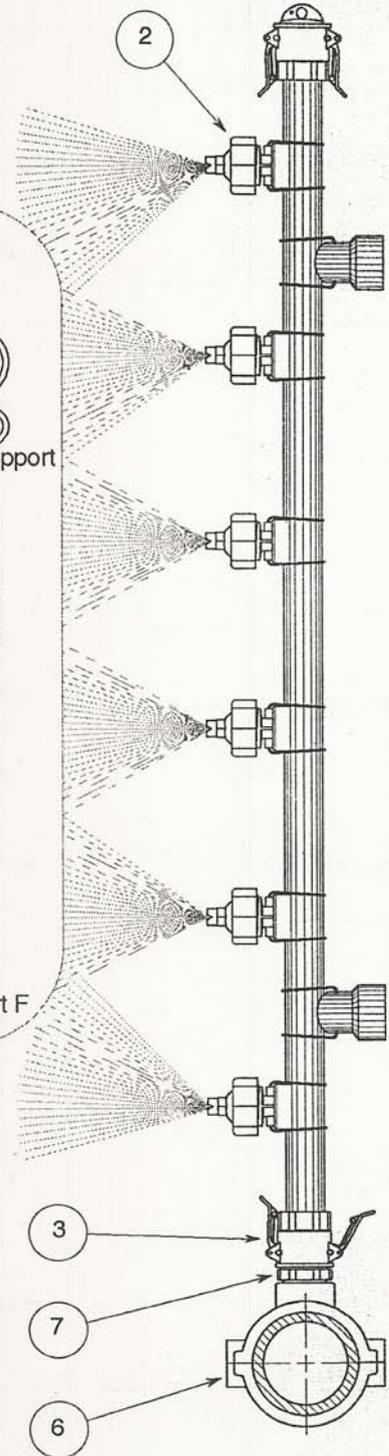
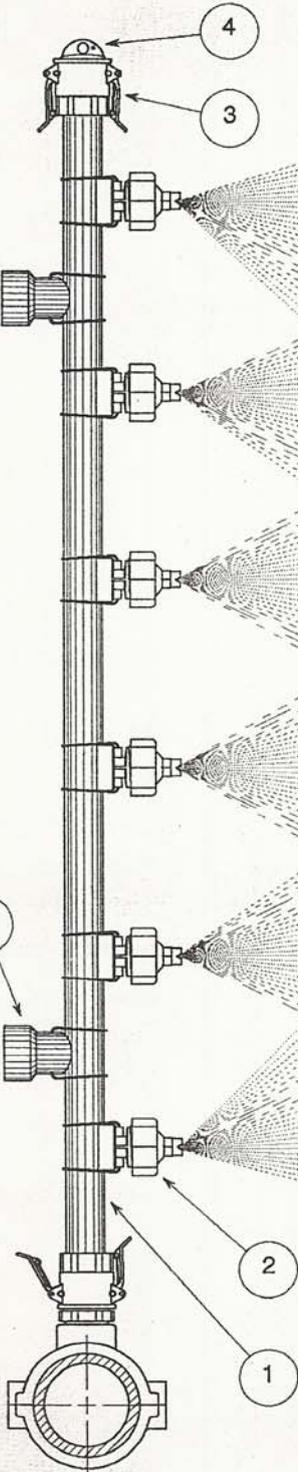


4. Quik-Disconnect® Part DP



7. Quik-Disconnect® Part F

Sample UNI-SPRAY
Riser: Configuration
R1B



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