

■ O-Ring Sealing, a Thin-walled Tube for Liquid Plumbing

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ISpray bars carry chemicals on many sprayers and utilize stainless steel pipe with pipe threads. This design allows the use of a thin-walled tubing to act as the spray bar while sealing and connecting with an o-ring and fittings. The thin-walled stainless steel tubing weighs less, costs less, and allows more flow while maintaining the same tube OD for spray nozzle bodies to mount to. The end of the tube is modified to have an offset flange groove for the o-ring to set in with specially made plastic fittings to compress the o-ring, creating a tight seal. This o-ring groove is designed to clean easily and therefore will not retain chemicals that could release later and be sprayed on the wrong target. Tubes can be made in various lengths and diameters with many combinations of outlets for any width of boom.

