

WHY HDPE MANIFOLDS

VS. STAINLESS STEEL OR PVC?

BENEFITS OF HDPE MANIFOLDS

Low Cost

HDPE material costs, including pipe and molded fittings, are less expensive than stainless steel.

Thermally Fused

HDPE pipe and fittings are joined via thermal fusion. Thermofusion welds form leak-free joints, which are as strong, or stronger, than the pipe. Thermofusion welds, when compared to chemically-joined PVC welds, are safer for personnel and also require less time for fabrication and installation.

Lightweight

HDPE material is lighter than stainless steel, resulting in lower shipping costs and less labor-intensive installation.

Resistance to Microbial Contamination

HDPE has antimicrobial properties making it an ideal choice over stainless steel.

NSF-61 Certified

HDPE is NSF-61 certified, so it safe for potable water applications.



Certified to
NSF/ANSI/CAN 61-G

Corrosion Resistance

HDPE is chemically resistant, abrasion resistant, compatible with salt water, and will not rust, scale, pit, or corrode.

Chemical Compatibility

HDPE offers similar or better chemical compatibility to stainless steel or PVC.

HDPE MANIFOLD MACHINE CAPABILITIES

- . Main pipe sizes: 4" - 12" IPS
- . Outlets: 1" - 4" IPS

*Custom sizing available upon request

- . Automated, repeatable welds
- . Documented welds
- . Pressure testing available

APPLICATIONS

- . Water filtration
- . Water distribution
- . Wastewater treatment
- . Waste treatment
- . Potable water (NSF-61 Compliance)
- . Chemical dosing



*Data and information taken from [Plastic Pipe Institute's \(PPI\) PE Handbook](#).

