



THE HOOVER DIFFERENCE

HDPE vs. PVC: Irrigation Suction Lines

Using HDPE provides a significant reduction in the total cost of landscape ownership, and will help to keep your landscape looking its best for the lowest dollar investment.

Our common sense comparison is below for your information

	HDPE High Density Polyethylene	PVC Polyvinyl Chloride
Service Life	30 to 40 years when installed according to the prescribed procedure & specification (certifications required)	Varies from months to years depending on diameter of suction line, and technique & skill level of installer (a poorly assembled or installed suction line may never function properly)
Installation & Assembly	Technicians are certified by the HDPE manufacturer upon completion of factory certified training program with heat fusing and installation techniques	Assembled in the field by technicians of varying skill level (no certification programs to demonstrate competency)
Climate Survival	Impervious to negative effects from atmosphere or sunlight exposure due to its carbon black content	UV exposure & even minor stress from field elements (i.e. ground settling, lake wave action, normal settling or shifting of the lake bottom) cause degradation, rapid deterioration of joints, and eventual cracking in piping itself
Flexibility & Joints	<ul style="list-style-type: none"> • Superior piping flexibility • Joints are heat-fused, resulting in a continuous pipe with no joint-associated components that could separate or fail (heat-fused joints are stronger than the piping material itself) • Heat-fused stainless steel grooved ends, with similarly few parts that could fail or separate. 	<ul style="list-style-type: none"> • Flexibility of the piping and joints is poor when stressed even from normal settling or shifting of the lake bottom • PVC Joints and piping are subject to breakage when stressed due to lack of flexibility • The larger the diameter, the greater to likelihood of breakage when stressed by continual flexing (such as naturally occurring rise and fall of water levels)
Suction Line & Intake Function	<ul style="list-style-type: none"> • Suction line designed to be buoyancy suspended; slightly above pond/lake bottom to eliminate abrasion from foreign debris & materials • Intake screen assembly is also buoyancy suspended; 18" to 24" above pond/lake bottom; self-leveling even with shifting bottoms 	<ul style="list-style-type: none"> • Intake screen assembly may settle onto lake bottom causing poor pump system performance • Small Air leaks in the suction line are common and very hard to locate; they cause intermittent pump shut downs and are difficult to repair or warranty

HOOVER PUMPING SYSTEMS

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