

POLYMER INJECTION SKID

Precision Polymer Control — Proven Field Performance

The Polymer Injection Skid is designed to dilute neat polymer into a liquid form to be injected into a process inline.

Before implementation, bench jar tests are conducted on different chemicals to select the correct chemical for the application. Once the proper chemical has been identified, it will be blended down using the provided water supply and Spectrum's standard polymer makedown assembly.

The diluted chemical then travels to a PVC static mixer for blending before injection. The made-down polymer then goes through a mandrel for retention time and extra blending. Once the made-down polymer exits the skid, it is injected into the system.

There are three standard-style Polymer Injection Skids, however, custom skids can be fabricated to include additional booster pumps, calibration columns, bleeders, and more.

Different pumps can also be used to accommodate various flow rates and chemical compatibility



EACH SKID INCLUDES

- stainless steel fittings
- ball valve for pressure control
- check valve for backflow prevention
- pressure gauge to monitor pressure
- metering pump to control the speed and stroke of the polymer

POLYMER INJECTION SKID SPECS

SKID TYPE	STANDING	HANGING	TOTE STAND
Length	3' - 7"	2' - 8"	3' - 7 1/4 "
Width	3'	1' - 5"	4' - 1 3/8"
Height	5' - 2"	2' - 5 1/2 "	4' - 6 3/4"
Weight	136 lbs	45 lbs	130 lbs
Frame	6035-T5 Aluminum	6035-T5 Aluminum	6035-T5 Aluminum
Fittings	304 SS	304 SS	304 SS
Static Mixer			
<i>Mixer Assembly</i>	SCH 80 PVC	SCH 80 PVC	SCH 80 PVC
<i>Mixer</i>	Polypropylene	Polypropylene	Polypropylene
Metering Pump	10 gph	10 gph	10 gph
Max PSI	100 PSI	100 PSI	100 PSI
Coating	OSHA Blue	OSHA Blue	OSHA Blue
<i>Primer</i>	Marine Epoxy	Marine Epoxy	Marine Epoxy
<i>Topcoat</i>	Polyurethane	Polyurethane	Polyurethane

