

Not a Static Inventory of Static Mixers



Charles Ross & Son has expanded its inventory of low pressure drop (LPD/LLPD) and interfacial surface generator (ISG) static mixers to meet customer demand. Many popular sizes are now available from stock to just two weeks from receipt of order. According to the company, more specifically:

- The LPD/LLPD models are widely used for low-viscosity, turbulent flow mixing of fluids and gas-liquid, gas-gas mixing. These units are offered from 1 to 30 inches in diameter, either as complete plug-in modules or as mixer element inserts for installation into the user's existing pipe or tubing. Sample applications include blending different grades of oil or gasoline, dilution, water and wastewater treatment, pipeline reactions, emulsification, biodiesel production, homogenizing process streams prior to sampling points, pH control, heat transfer and even the blending of free-flowing solids.
- ISG models consists of specially machined elements with passageways ideal for preparing viscous mixtures within a very short length of pipe. This patented design is used for a variety of processes, including thermal and color blending, delustering of polymer dopes, preparing water/fuel oil emulsions, injection molding and extrusion, inline mixing of catalysts or additives into a viscous fluid, fiber production, etc. Standard ISG elements are supplied from 5/8 to 6 inches in diameter in stainless steel, polypropylene and Teflon.

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