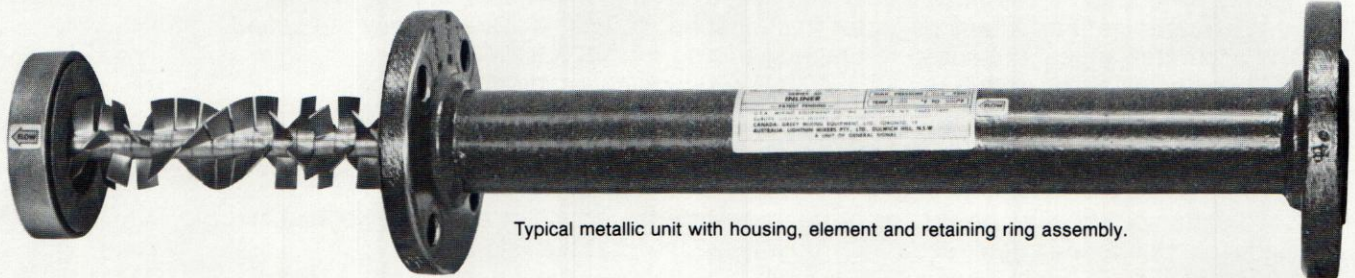


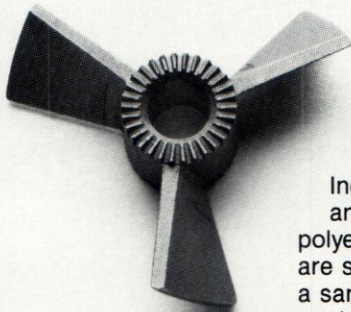
# LIGHTNIN Inliner® Mixers Series 50

**STANDS STILL AND MAKES THE FLOW MIX ITSELF.**



Typical metallic unit with housing, element and retaining ring assembly.

## MATERIALS



Standard Inliner units are available in carbon steel and 316L stainless steel. Inliners are also manufactured in Alloy 20 and Hastelloy alloys, Monel, Inconel, TEFLON®/TEFZEL, and fiberglass-reinforced polyester (FRP). 150# flanges are standard, but 300# flanges, a sanitary design and plain ends are also available.

The Lightnin Inliner mixer brings new performance to blending fluids of similar or widely varying density and viscosity. We guarantee the results.

The unique Inliner segment shown, produces 50% more mixing action by cutting the fluid flow into three streams instead of the usual two.

Individual segments combine to form elements that rotate the fluid. Subsequent elements reverse and disperse the flow. Segments can be individually aligned within each element so that the mixing action can be customized and fine-tuned to your process requirements.

The configuration is easily changed as the process changes, and the unit easily disassembles for cleaning.

## STANDARD METALLIC UNITS.

**Retaining Ring Configurations.**



Standard 150# Metallic Housing

Type 42 Laminar

Type 42 Turbulent

Type 22 Turbulent

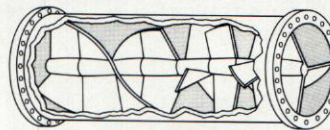
Type 11 Turbulent

**Packaging - Processing  
Bid on Equipment**

1-847-683-7720

www.bid-on-equipment.com

## FIBERGLASS REINFORCED POLYESTER



FRP Unit  
Type 6 & 8 Configuration

### FRP Inliner Mixers:

**Pipe Sizes (inches):** 8, 10, 12, 14, 16, 18, 20, 24, 30, 36, 42, 48, 54, 60, 72.

### Construction Specifications:

**Elements** to be monolithic construction.

**Housing** - Rated from 50 psig for H<sub>2</sub>O @ 180°F.

**Resin** - ICI Atlac 382 or Dow Derkane 411/470.

**End Connections** - Integral FRP flanges with 125# drilling.

**Length to Diameter ratio** is 2.64 for single Turbulent.  
5.28 dual Turbulent.

All Standard Designs are for turbulent flow (for laminar applications consult factory).

Consult factory for dimensions.

## POLYCOATED™ AND POLYCHEM™ INLINERS

Polycoated Inliners have a corrosion-resistant coating on the segments, creating a surface that prevents particles from clinging. Coverings include KF Polymer, Halar®, Scotch Kote 134 and PFA Teflon.

Polychem Inliners are in a performance class with Alloy 20, Monel and Hastelloy C. Using thermoplastics, Polychem Inliners offer high corrosion resistance to a wide range of corrosive materials.

For additional details, ask for Bulletin B-564

Length Nominal Pipe Size	Overall Length		
	Retaining Ring	Retaining Plate	A310 Spider
1"	NA	11.19	NA
2"	21.9" (55.6 cm.)	21.25	21
3"	32.3" (82.1 cm.)	31.25	31
4"	42.7" (108.4 cm.)	41.13	41
6"	63.8" (161.9 cm.)	61.44	61
8"	per specifications	per specifications	
10" & 12"	per specifications	per specifications	

Type 42: For both turbulent and laminar configurations.

Larger Inliners are available in all standard pipe sizes. Consult your Lightnin sales engineer for dimensions.