

# Storm Mixer



## Series "SLM" Sludge Static Mixers



The SLM series of static mixers designed for mixing chemicals into a sludge stream. With a unique non-fouling element design, these mixers will handle sludge streams with debris, and particles that will plug other mixers. For mixing polymer solutions or adding lime solutions to a sludge stream, the SLM mixers are unparalleled.

### ***BENEFITS***

- Non fouling design passes debris.
- Easy to clean design.
- Evenly mixes chemicals into sludge.
- Easy installation.
- Low maintenance.

### ***APPLICATIONS***

- Dewatering
- Coagulation/Flocculation waste water
- Phosphorus removal by Alum or iron compound addition
- Lime addition to sludge
- Clarification

## **SPECIFICATIONS**

### **MATERIALS OF CONSTRUCTION**

Stainless Steel or PVC/CPVC is standard.

Other material is available as a custom.

### **END FITTINGS**

SLM Series In Line Mixers are available with:

- Flanged ends
- Grooved ends

### **MIXING ELEMENTS**

SLM mixers uses a series of 4 eccentric plate mixing elements. Each element spins the fluid stream using spiral tornado-like twisting forces that are repeatedly reversed to create a series of impacts for the highest levels of mixing. The design of these plates eliminates dead spots and has no edges where material can hang-up.



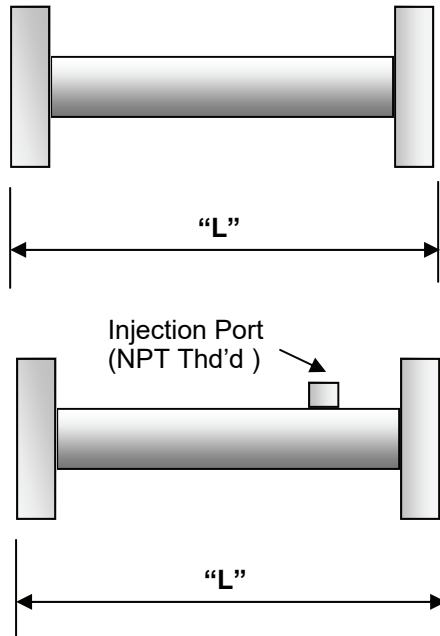
### **INJECTORS & ACCESSORIES**

A wide range of injectors, can be integrated into the sludge static mixer.



# Series "SLM" Sludge In Line Static Mixer

## MIXER DIMENSIONS



Length of Static Mixer		
Pipe diameter	Length of Mixer "L"	
	4 element	Additional length for a single injection port
1-1/2"	8	3
2"	11	3
2-1/2"	14	3
3"	16	4
4"	22	4
6"	33	6
8"	45	6
10"	56	8
Larger sizes-Call for Lengths. Mixers can be supplied to meet your specifications		

## CHOOSING A STATIC MIXER Recommended Flow Range

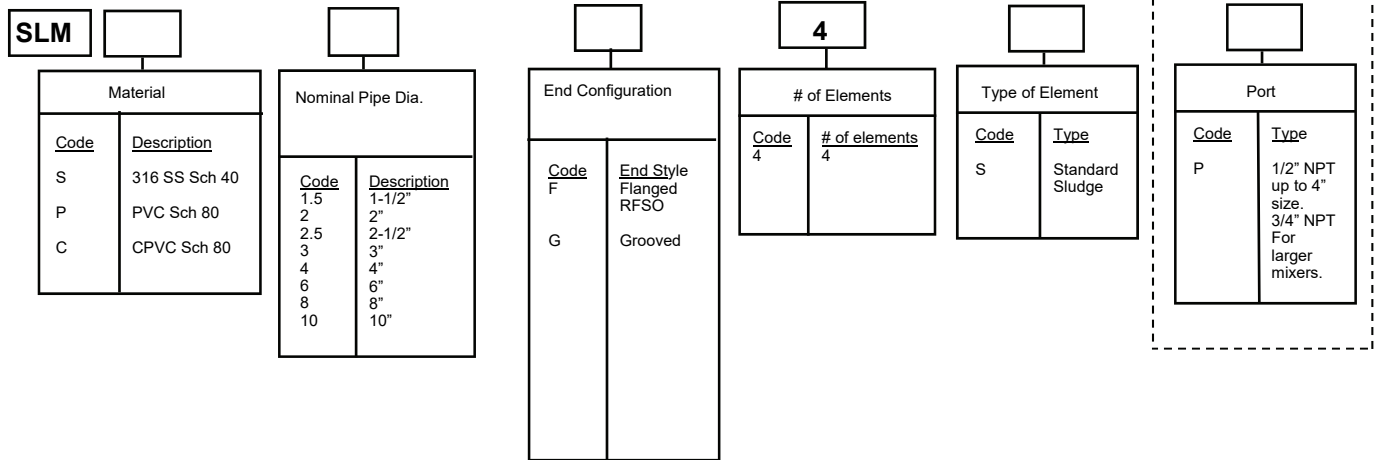
*The recommended flow range will ensure a maximum pressure drop of 5 psi for sludge and ensure good mixing. The minimum velocity is chosen to reduce fouling due to increased viscosity of slow moving sludge.*

*Contact us or see [www.stormmix.com](http://www.stormmix.com) for additional information.*

Pipe diameter	Flow Range Minimum/ Maximum (gpm)
	4 element
1-1/2"	25 / 63
2"	41 / 104
2-1/2"	60 / 150
3"	92 / 231
4"	158 / 398
6"	360 / 902
8"	624 / 1,562
10"	984 / 2,461

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## ORDERING INFORMATION



Example of a model number would be "SLM6F4S". For the optional threaded injection port, add a "P" at the end. For further sizing information contact Storm Mixer.



## TECHNICAL SUPPORT and PRODUCT ORDERING

Storm Mixer provides unsurpassed product performance and value for our customers. Our experienced professionals can help you select the right solution for your application. For more information or to place an order, contact your local distributor. Information on product specifications, application and chemical compatibility can be found on our web site at [www.stormmix.com](http://www.stormmix.com).

This information is provided as a guide to assist you in selecting a product and options appropriate to your application. Specifications are nominal and are subject to change without notice. Detailed technical information and selection assistance are available from the company.

**DISTRIBUTED BY:**



### **Storm Mixer**

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