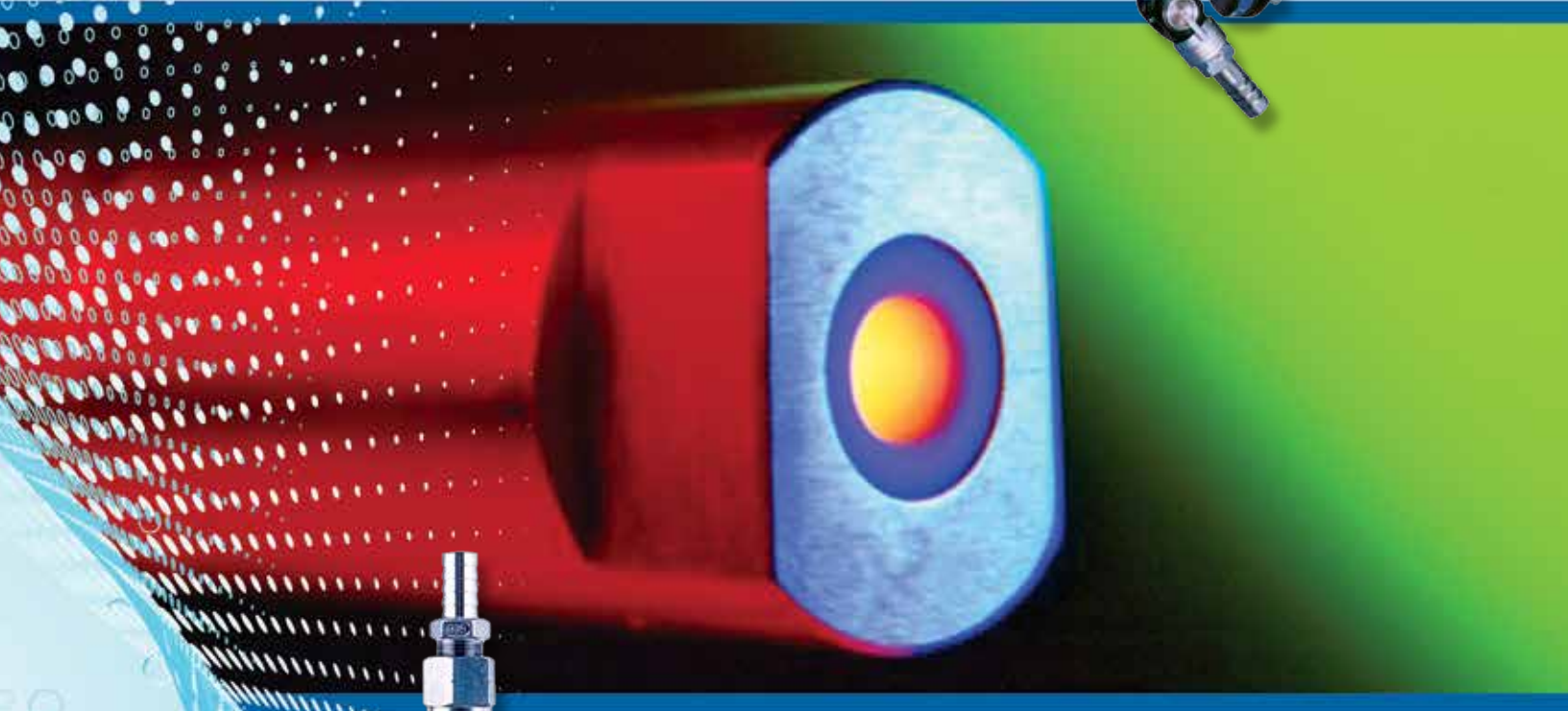


# ERIEZ

FLOTATION DIVISION



• SLAMJET® SPARGER SERIES •



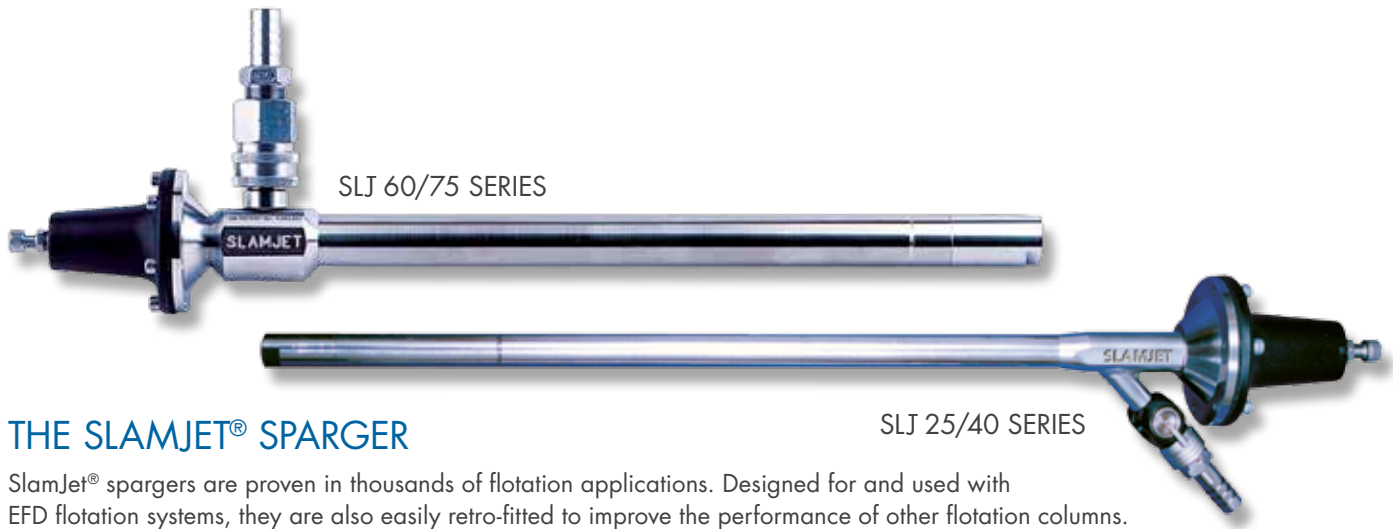
## THE SPARGING FACTOR -

Improving the operating efficiency of flotation columns, leach tanks and other processes that depend on the generation of fine gas bubbles

In mineral flotation applications, EFD SlamJet® sparging systems promote the attachment and recovery of hydrophobic particles through the generation of a fine bubble dispersion that is evenly distributed across the flotation column.

EFD sparging systems are designed to generate a large amount of bubbles at the optimum size for the given application. Specifically, they are designed to generate high rates of bubble surface area which guarantees a high probability of attachment and improved recoveries.

In leaching and other hydrometallurgical applications, SlamJet® spargers improve the process kinetics of the vessel contents by ensuring a high rate of gas dissolution.



## THE SLAMJET® SPARGER

SlamJet® spargers are proven in thousands of flotation applications. Designed for and used with EFD flotation systems, they are also easily retro-fitted to improve the performance of other flotation columns.

### THE INDUSTRY STANDARD

Key reasons why Plant Operators worldwide choose the EFD SlamJet® sparging systems:

**Low Maintenance** - Simple design, wear resistant, long operating life

**In-Situ Removal** - Doesn't require draining the flotation column or system shut-down

**Automatic Shut-Off** - Slams shut on supply gas failure preventing the process fluid from backing up into the sparger tube and gas supply lines

**Single Large Bore Orifice** - Virtually eliminates plugging or fouling

### STANDARD SUPPLY PACKAGE

- SlamJet® Sparger
- Liquid Tight Seal
- Hose Kit

An Insertion Port Assembly and Manifold Isolation Kit are optionally available for new flotation column installations.

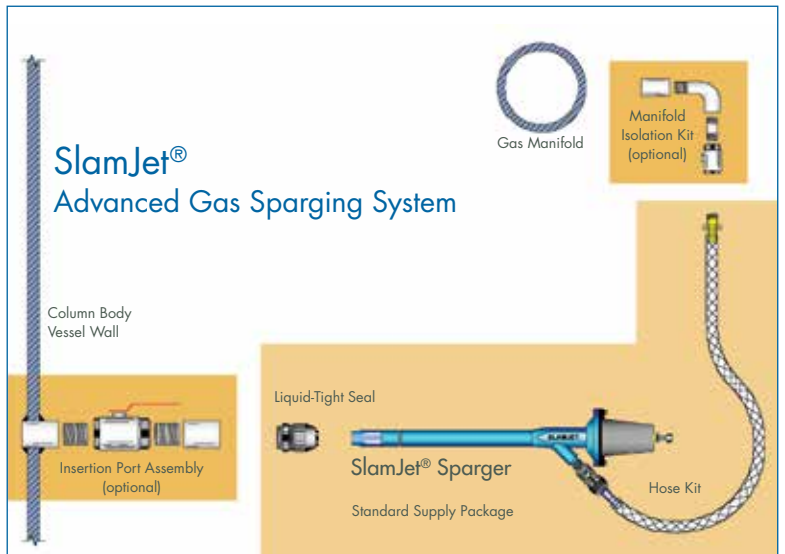
Insertion port assemblies enable the SlamJet® sparger to be quickly and easily removed on-line for maintenance or replacement without draining the flotation column or shutting down the process.

#### Common SlamJet® Specifications

Maximum pressure:	700 kPag
Operating pressure range:	415 to 550 kPag
Sparger Tube material:	316 Stainless Steel
Nozzle housing material:	2205 Stainless Steel
Nozzle:	Ceramic alumina or tungsten carbide
Regulator diaphragm:	Nylon reinforced neoprene

#### Common SlamJet® Gas Flow Rates

SlamJet® Model Series:	Flow rate at 550 kPag
SLJ - 25:	21 m <sup>3</sup> /h
SLJ - 40:	50 m <sup>3</sup> /h
SLJ - 60:	103 m <sup>3</sup> /h
SLJ - 75:	198 m <sup>3</sup> /h
* other flow rates available	



## WORLD AUTHORITY IN ADVANCED FLOTATION TECHNOLOGY

Customer-Focused Service Spanning the  
World of Minerals

Eriez Flotation Division is committed to providing state-of-the-art equipment and process solutions for new and existing projects worldwide. We understand and quickly respond with integrity, competence and effectiveness to the needs of our clients. Our versatility is demonstrated by the diversity of our engineering services and the varying sizes of projects we have successfully completed around the world.

Contact the nearest Eriez Flotation Division office for technical support or design engineering to suit your specific application.



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Website: [www.eriezflotation.com](http://www.eriezflotation.com)

