

## Soot Blower Packing Sets

### TORNADO PACK™

Tornado Pack is a family of styles specifically designed for installation in soot blowers. The sets consist of die-formed conical center rings with top and bottom adapters for ease of installation, accurate fit and firm seating in the stuffing box. These soot blower sets offer extended service life, less maintenance and downtime and greater reliability on the troublesome and often inaccessible soot blowers.

<u>Style</u>	<u>Temperature</u>	<u>Construction</u>	<u>Performance</u>
<b>F-1</b>	+1200°F Steam (+650°C)	Style 127-AFP: INCONEL* wire reinforced spun carbon over homogeneous core	GOOD
<b>F-3</b>	+1200°F Steam (+650°C)	Style 1298: INCONEL wire reinforced PBI** over carbon fiber core	BETTER
<b>F-5</b>	+1200°F Steam (+650°C)	Style 1303-FEP: INCONEL reinforced high purity GRAPH-LOCK	BEST

\*Trademark of Inco Alloys International, Inc.

\*\*Trademark of Celanese Fibers Corp (Polybenzimidazole)

2/6/03

## **SOOT BLOWER PACKING SETS**

Garlock soot blower sets consist of die-formed conical rings with top and bottom adapters for ease of installation, accurate fit, and firm seating in the stuffing box.

These soot blower sets offer extended service life, less maintenance and downtime, and most importantly, greater reliability on the troublesome and often inaccessible soot blowers.

### **F-1 TORNADO PACK™**

F-1 Tornado Pack soot blower set consists of die-formed conical shaped rings with flat top and bottom adapters for accurate fit and ease of installation. Designed to meet the high temperatures and pressures encountered in steam generation soot blowers. Totally redesigned in a unique Garlock process, the Inconel\* alloy wire reinforcement is encapsulated in the yarn, preventing its contact with the lance. Sealability is improved, scoring is virtually eliminated, and operating torques are lower. The extended service life of our F-1 Tornado Pack set means less maintenance and downtime on the troublesome and often inaccessible soot blowers.

<b>TEMPERATURE</b>	To +1200°F (+650°C) in steam
<b>PH RANGE</b>	1 - 12
<b>CONSTRUCTION</b>	Wire-reinforced carbon yarn braided over a resilient core

\*Trademark - Inco Alloys International, Inc.

## **F-3 Tornado Pack™**

The F-3 Tornado Pack soot blower set consists of die-formed conical shaped center rings with flat top and bottom adapters to facilitate the installation and ensure accurate fit. It is designed specifically to handle the high temperatures and pressures encountered in steam generation soot blowers.

This proprietary product uses a PBI\* yarn encapsulating Inconel\*\* alloy wire braided over a LATTICE BRAID® carbon yarn core. Our unique capabilities of encapsulating the Inconel alloy wire eliminates contact with the lance, preventing scoring and, with a braided carbon yarn core, it maintains more flexibility at elevated temperatures and pressures. The end result is extended service life, decreased maintenance, and less wear and tear on the soot blowers.

<b>TEMPERATURE</b>	To +1200°F (+650°C) in steam To + 850°F (+455°C) in atmosphere
<b>PH RANGE</b>	1 - 12
<b>CONSTRUCTION</b>	PBI* yarn with encapsulated wire reinforcement (Inconel**) braided over a flexible LATTICE BRAID carbon yarn core
<b>CERTIFICATION</b>	To less than 200 ppm Leachable Chlorides upon request

\*PBI – Polybenzimidazole – Trademark of Celanese Fibers Corp.

\*\*Trademark - Inco Alloys International, Inc.

## F-5 TORNADO PACK™

**F-5 Tornado Pack** soot blower set consists of die-formed conical shaped rings with flat top and bottom adapters for accurate fit and ease of installation. Designed to meet the high temperatures and pressures encountered in steam generation soot blowers. Totally redesigned in a unique Garlock process, the Inconel\* alloy wire reinforcement is encapsulated in the yarn, preventing its contact with the lance. Sealability is improved, scoring is virtually eliminated, and operating torques are lower. The extended service life of our **F-5 Tornado Pack** set means less maintenance and downtime on the troublesome and often inaccessible soot blowers.

### TEMPERATURE

To 1200°F (+650°C) in Steam  
To +850°F (+455°C) in atmosphere

### PH RANGE

1 - 12

### CONSTRUCTION

Flexible Graphite with .004" Inconel\*  
Filament

\*Trademark - Inco Alloys International, Inc.