



# ANODE PRODUCTS COMPANY, INC.

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## SLIM-LINE FILTRATION SYSTEMS

### PLATE LIFTING SYSTEM

We have always taken pride in having an “easy to clean” filter. Well, it just got easier! Our plate lifting system will get you back on line in 30 minutes or less and will pay for itself in minimal downtime.

An air blow down system attached to the air vent assembly empties the chamber. The hoist adapter screws into the plate-lifting device, then the plates and lifter assembly are hoisted from the chamber with minimal solution loss. With centered lifting, re-installing the filter plates could not be easier. Available in 316SS, Titanium and Hastelloy-C construction.

### SLIM-LINE FOR YOUR FILTRATION NEEDS!





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### Installation Procedure.

(IF PLATE LIFTER WAS PURCHASED WITH FILTRATION SYSTEM OMIT THIS STEP AND PROCEED TO OPERATION PROCEDURE.)

PLATE LIFTER  
(See Figs 1 & 2)

1. Drain chamber completely.
2. Remove all filter plates and re-stack on to plate lifting device.
3. Measure plate lifter with filter plates, sealing cap and locking nut installed note dimension. (Fig 1)
4. Next measure the distance from base hub assembly to top of center rod. (Fig 2) If dimension is less than measurement taken in step 3 A special basehub will be needed to accommodate the plate lifter. This item is available from Anode products for a nominal charge.

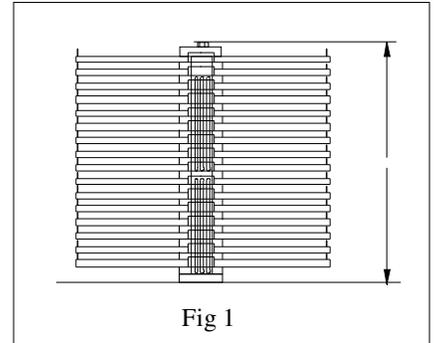


Fig 1

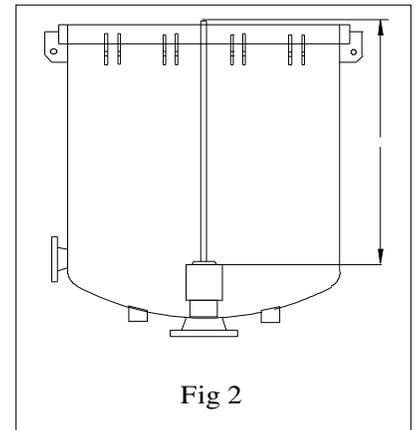


Fig 2

BLOW DOWN ASSEMBLY.  
(See Fig 3)

1. Remove air vent assembly from top of chamber.
2. Position blow down fitting with gasket on chamber air vent flange reinstall air vent assembly with supplied bolts and tighten securely.

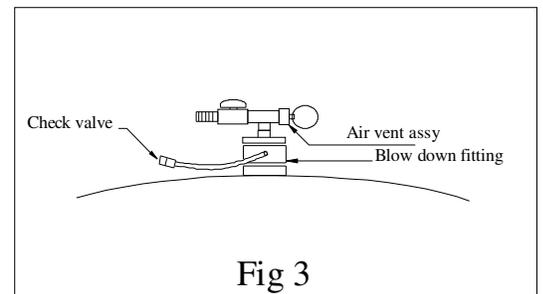


Fig 3

### Operation Procedure.

*Anode Products Co, Inc. 9425 Seymour Ave Schiller Park IL 60176 PH (847) 671-5550  
Slim-Line & Li'l Guy Filtration Systems*



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With filter on line open suction valve to slurry to draw solution level down as far as possible this is to ensure slurry tank can hold as much of chamber volume as possible.

Turn off pump and lock out electrical equipment, connect low pressure 50 psi max air line to blow down coupling then open discharge valve to slurry and allow chamber to blow down to slurry tank if slurry is not large enough to hold volume of chamber a holding tank can be used. The blow down operation should be performed as long as possible (½ hour or longer) to remove the maximum amount of liquid from the filter plates.

Next vent system to remove pressure in chamber then open cover and remove nut and sealing cap assembly.

Install hoist adapter into plate lifter be sure to fully engage threads hand tighten only

Slowly lift plates & lifter assembly from chamber making sure not damage rubber lining of chamber. Move assembly off to the side of filter system then lower onto floor remove hoist adapter

Lift each filter plate from plate lifting device and set aside.

Cleaning filter plates is accomplished by turning them over to allow sludge to fall off then hosing off any sludge left on plate.

After cleaning filter, plates can be dressed with filter paper or reusable media.

Next, carefully install each filter plate onto lifting device then install hoist adapter making sure adapter threads engage fully into lifting device.

Insert rod guide over center rod this helps to guide lifter over center rod and protects rod threads from damage

Lift assembly high enough to clear chamber rim then position lifter assembly over rod guide and slowly lower assembly on to chamber. A slight rocking motion will help to seat plate assembly onto base hub.

Reinstall sealing cap and locking nut on center rod tighten securely.

Filter system is now ready to be precoated as outlined in Instruction manual.

## Ordering Information:

**UNIT MODEL # 316SS TITANIUM HASTELLOY-C**

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SL 30-30	<b>2702</b>	<b>2791</b>	<b>2794</b>
SL 36-30	<b>988</b>	<b>2704</b>	<b>2793</b>
SL 42-30			

**Complete plate lifting systems include the following items.**

- ✓ Plate lifting device
- ✓ Hoist adaptor
- ✓ Blow down fitting

