



# SEA-BIRD ELECTRONICS, INC.

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SBE P/N 50312

## Sea-Bird Anti-Foulant Device In-Line Cap/Cup Assembly

### Kit Contents

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
231513	SBE In-Line Anti-Foulant Cup	AF24173 Anti-Foulant Device resides inside this cup	1
231514	SBE In-Line Anti-Foulant Cap	Cap seals AF24173 Anti-Foulant Device inside the Cup	1
30072	O-RING, 2-017 N674-70	Provides a water seal between the Cap and Cup	1
30536	Tubing, 3/8" ID x 5/8" OD	Plumbing material for all in-line arrangements	1 ft.
30389	Cable Tie, 4", Richco	To secure plumbing material to Cap, Cup, and CTD barbs	5

### Procedure for Installing In-Line Assembly

*Drawing number 41203B*

#### A. Plumbing Arrangement

1. Plumbing should be installed according to the attached assembly drawing.
2. Secure each end of the tubing to the barbs on the sensor head assembly.
  - a. Two end barbs are provided by the sensor head itself.
  - b. Two central barbs are provided by the In-Line assembly.
3. Cable Ties should be used to fasten tubing onto each barb.
  - a. Tighten cable ties until they begin to squeeze the tubing.
  - b. Do not cinch them down too tight, as they can break under pressure.

#### B. Anti-Foulant Device Installation

Please read the Anti-Foulant device documentation in your user manual for all information regarding installation and handling of the AF24173 Anti-Foulant device.

#### C. Re-Assembly

1. Check the o-ring. If it is torn, or heavily misshapen, it should be replaced as well.
  - a. O-Ring lubricant is optional for this application.
  - b. Use only silicon-based lubricants, such as "Parker Super-O", do not use any oil-based lube.
2. Replace the cap, and slide plumbing back over the barb.
3. Secure the new arrangement with a fresh cable tie. Tighten the cable tie just until it just begins to squeeze the tubing.

Parent Part Number: 50312

SBE Drawings:

41203B In-Line Anti-Foulant  
Holder Assembly

Related Products:

SBE41 ALACE, SBE49 FastCaT

### Sea-Bird Electronics Procedure

PROCEDURE NUMBER: 67123

TITLE: SBE In-Line Antifoul Assembly Kit

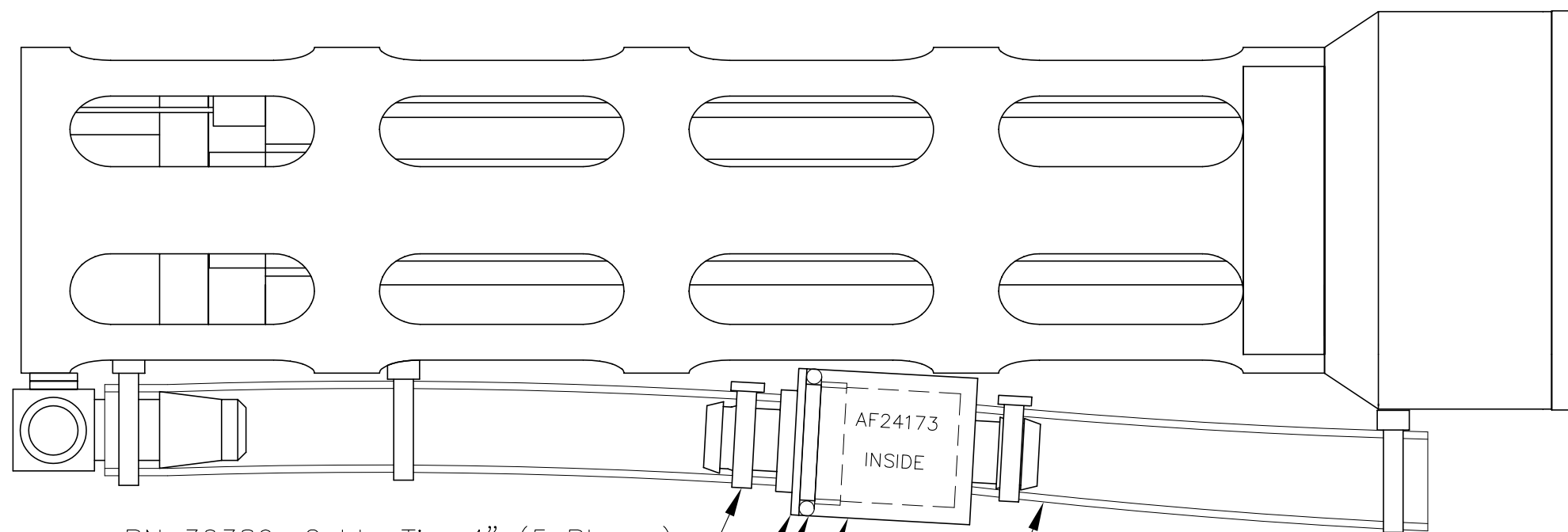
REVISION: B

EFFECTIVE DATE: 03/20/2003

CHECKED BY:

PAGE 1 of 1

DATE	SYM	REVISION RECORD	AUTH.	DR.	CK.
2.2003	A	Revise for AF24173	KDL	MJ	CB
3.20.03	B	CHANGED PN'S	CB	KLP	



- PN 30389, Cable Tie, 4" (5 Places)
- PN 231514, SBE In-Line Anti-Foulant Device Cap
- △ B PN 30072, O-RING, 2-017 N674-70
- PN 231513, SBE In-Line Anti-Foulant Device Cup
- △ B PN 30536, Vinyl Tubing, 3/8" ID X 5/8" OD (2 Places)

TOLERANCES	SEA-BIRD ELECTRONICS, INC			
FRACTIONAL	P/N	SCALE	DRAWN BY MJ	
	50213	NTS	APPROVED BY	
DECIMAL	TITLE Sea-Bird AF24173 In-Line Antifoulant Device Cup Assembly			
ANGULAR	DATE	DRAWING NUMBER	REV	
	07.17.02	41203	B	