



# SEA-BIRD ELECTRONICS, INC.

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SBE P/N 90199

DATE	REV	REVISION RECORD	AUTH	DR	CHK
01.99	A	Added specific instructions, Drawing	MJ		
4.1.04	B	Added 30579, fix def. for 30384	CB	KLP	
2.2.06	C	Change qty of 30579 to 1 ft	CB	MJ	

## SBE Vertical CTD Replumbing Kit

### KIT CONTENTS

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
23337	Pump Air Release Plug	Air Bleed for Y-Fitting	1
30384	Tygon tubing, 7/16" ID, w/ 1/16" wall	Soaker hose for conductivity cell	1 ft
30387	Tube, 1/2" Y-Fitting	Top connection for plumbing	1
30388	Vinyl tubing, 3/4" x 1/2"	Main Plumbing tube	4 ft
30389	Cable tie, 4"	Secure plumbing to fittings	6
30458	Cable tie, 15"	Secure plumbing assemblies to cage or CTD	3
30579	Tygon tubing, 3/8" ID x 1/2" OD	Plenum Adaptor Tubing	1 ft

### APPLICATIONS:

#### Top Air Bleed Valve

SBE P/N	Part Description	Primary SBE Application	QTY
23337	Pump Air Release Plug	Air Bleed for Y-Fitting	1
30387	Tube, 1/2" Y-Fitting	Top connection for plumbing	1
30388	Vinyl tubing, 3/4" x 1/2"	Main Plumbing tube	≈ 3"

1. The air release (23337) installs into the single end of the Y-fitting (30387) so that the flat side of the air bleed faces out, and the concave side faces the "Y".
2. Slide about a 3-4" length of heavy tubing (30388) over the air bleed side. This will be the top of the plumbing arrangement.

#### Replacement sensor plumbing

SBE P/N	Part Description	Primary SBE Application	QTY
30388	Vinyl tubing, 3/4" x 1/2"	Main Plumbing tube	4 ft
30389	Cable tie, 4"	Secure plumbing to fittings	12
30458	Cable Tie, 15"	Secure plumbing assemblies to cage or CTD	3

1. Use the 30388 heavy tubing to form a flowing path through each sensor ducting system.
2. Use the small cable ties (30389) to make a good connection at tubing/sensor interface points.
3. Large cable ties (30458) are used to secure the plumbing arrangements to the CTD.
4. Refer to the included diagram for an idea of how to plumb a standard CTD.

SBE DRAWING: 41223A  
Title: Sea-Bird CTD Plumbing Arrangement

SBE DRAWING: 67022  
Title: Vertical CTD Re-plumbing Kit

### Sea-Bird Electronics Procedure

PROCEDURE NUMBER: 67022

TITLE: SBE Vertical CTD Replumbing Kit

REVISION: C

EFFECTIVE DATE: 04/02/2004

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