# MA-150-1
## Pyxis Floating Submersion Adapter Reference Guide

### Introduction

Pyxis Lab offers two advanced adapter kits specifically designed to enable floating and fixed submersion applications. This document provides a brief description of the MA-150-1 Floating Submersion Adapter Kit as well as diagram review of components both included and non-included for the purposes of installation.

### MA-150-1 Floating Submersion Adapter Kit (P/N 53705)

**Submersed Floating Installation**: The Pyxis ST-772 (304SS) and ST-772-P (CPVC) Dissolved Oxygen sensors may be installed in a submersed/floating application using the MA-150-1 Submersed Floating Adapter Kit.    This kit contains a swiveling conduit mounting bracket and ball float-probe adapter assembly in 1" FNPT.      For use of the MA-150-1 with Standard Pyxis sensors (non-threaded) users must purchase separately the MA-102S union style submersion adapter as outlined in item #11 of the parts list. Users should obtain water-tight conduit and cable seal adapter from their supplier of choice as these items are commonly available and not provided in the MA-150-1 kit.
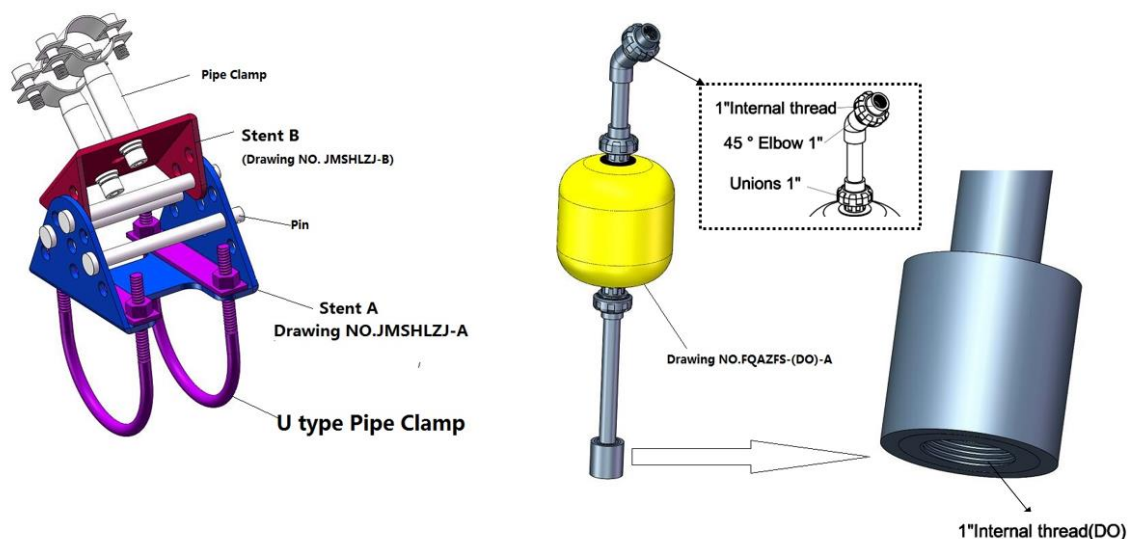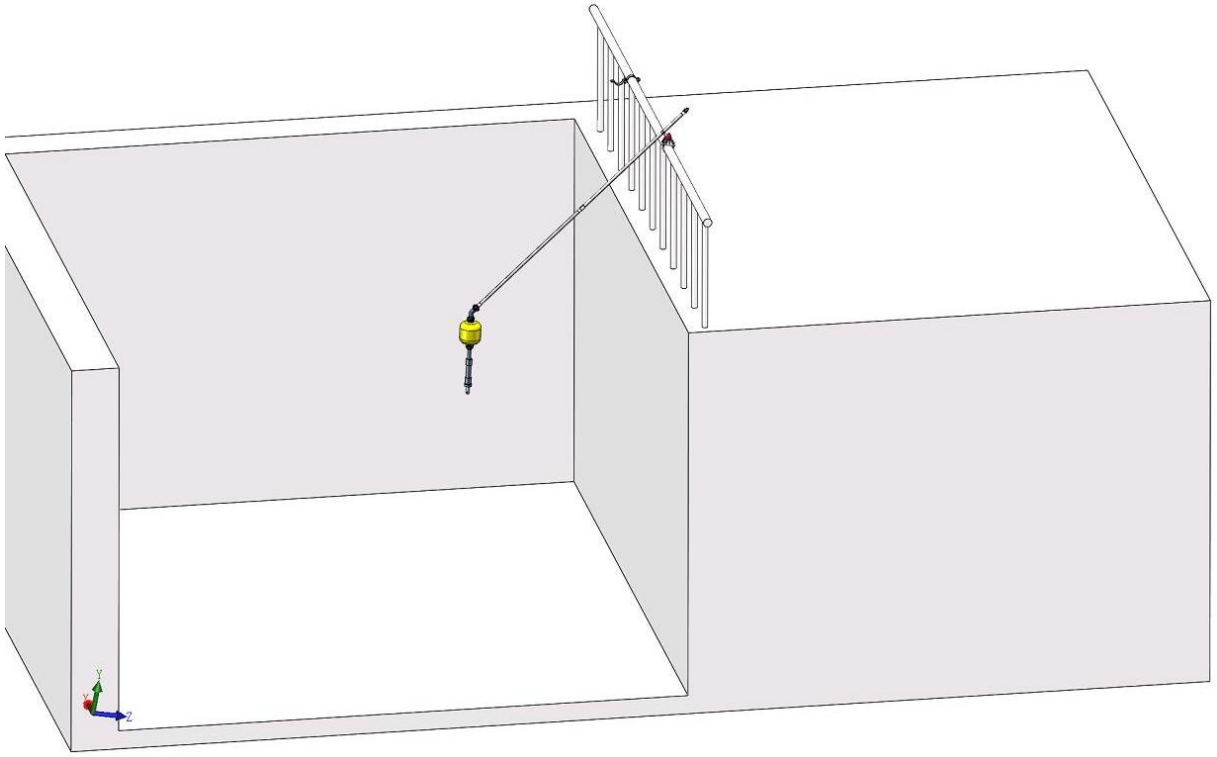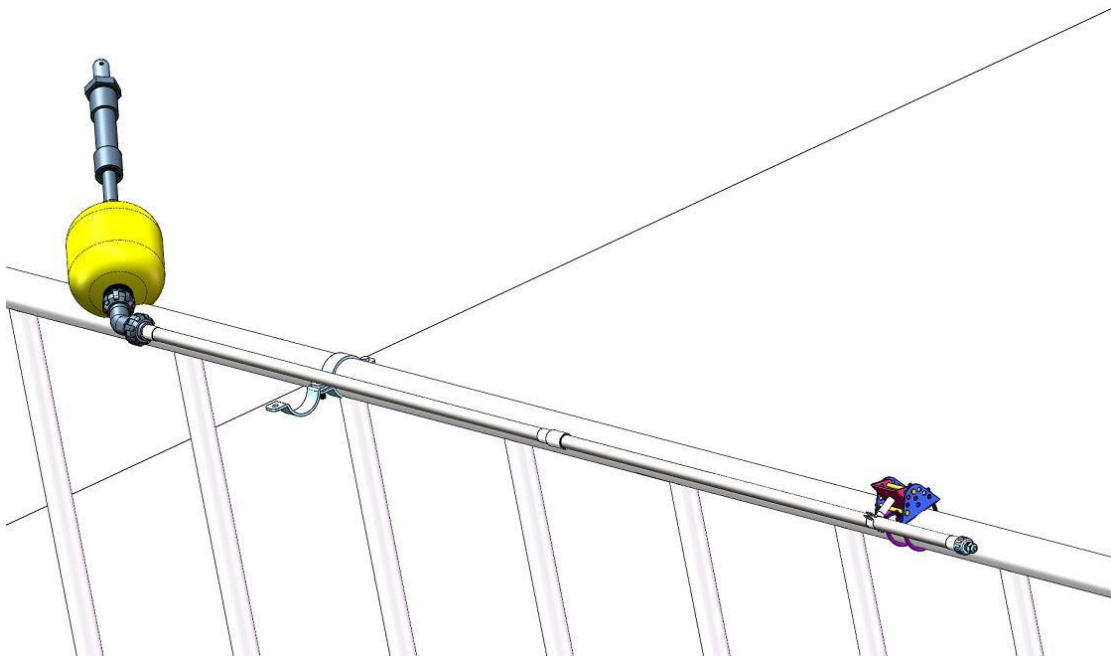
MA-150-1



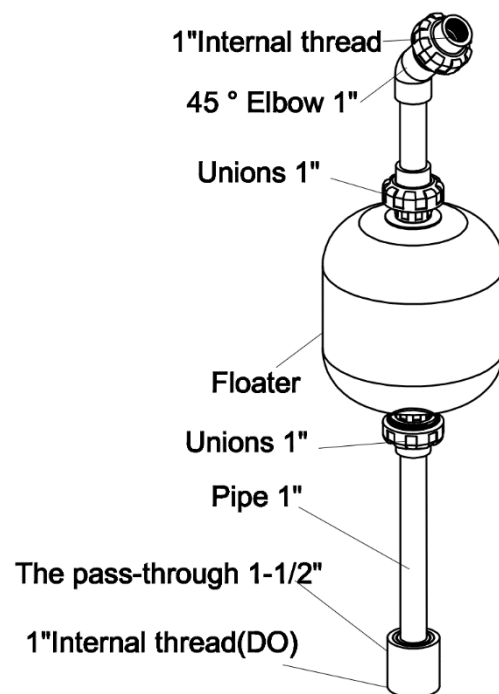Figure 1 – MA-150-1 Floating Submersion Adapter Kit (P/N 53705)
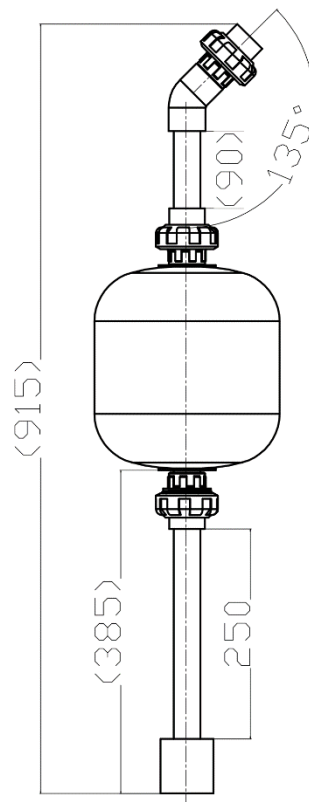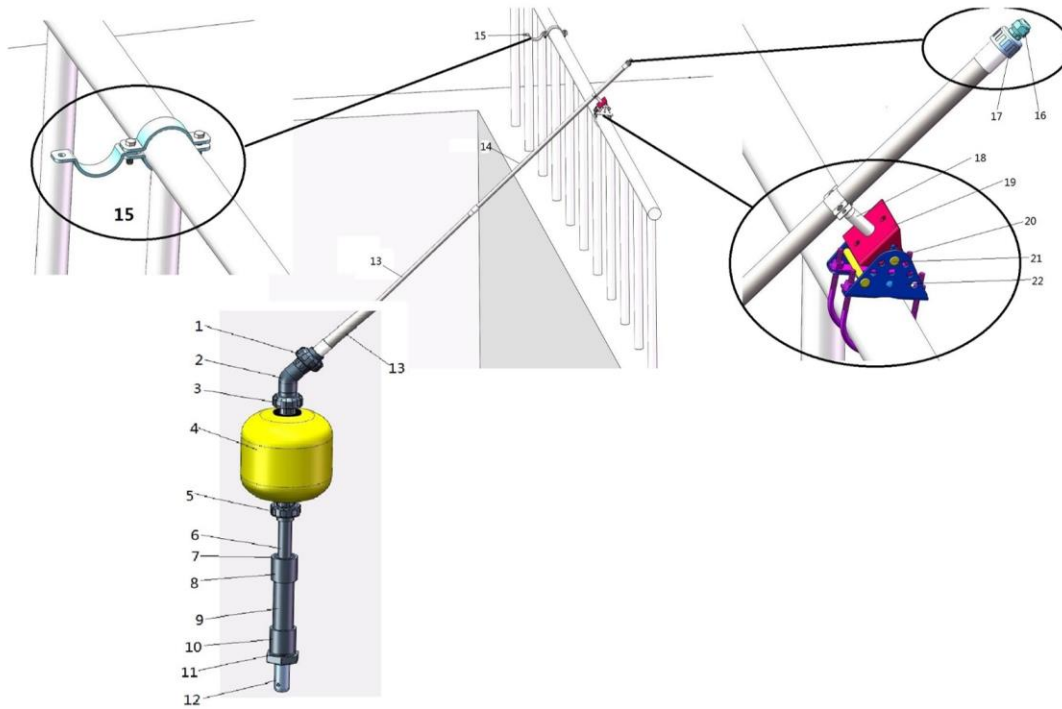
## MA-150-1 Typical Installation Diagram



## MA-150-1 Typical Floating Sensor Removal/Storage Scenario

## MA-150-1 Assembling the Ball Float Sensor Adapter



1"Internal thread

45 ° Elbow 1"

Unions 1"

Floater

Unions 1"

Pipe 1"

The pass-through 1-1/2"

1"Internal thread(DO)

## MA-150-1 Parts List



| NO. | Item Name | Description | Material | Qua | Status |
|-----|-----------|-------------|----------|-----|--------|
| 1 | Unions | 1"SCH80 Bell/Spigot | UPVC | 1 | Included |
| 2 | 45°Bend | 1"SCH80 Bell/Spigot | UPVC | 1 | Included |
| 3 | Unions | 1"SCH80 Bell/Spigot | UPVC | 1 | Included |
| 4 | Floating Ball | 9 kg Buoyancy | HDPE | 1 | Included |
| 5 | Unions | 1"SCH80 Bell/Spigot | UPVC | 1 | Included |
| 6 | Pipe | 1" SCH80 | UPVC | 1 | Included |
| 7 | Bushing | 1.5"-1" | UPVC | 1 | Included |
| 8 | Pass-through | 1.5"SCH80 Bell/Spigot | UPVC | 1 | Included |
| 9 | Pipe | 1.5" SCH80 | UPVC | 1 | Included |
| 10 | Pass-through | 1.5"SCH80 Bell/Spigot | UPVC | 1 | Included |
| 11 | MA-102S | Union Submersion Adapter | UPVC | 1 | Not Included |
| 12 | Pyxis Probe | Standard Pyxis Sensor | UPVC | 0 | Not Included |
| 13 | Conduit A | 1"NPT Sealed Conduit | CPVC or 304SS | 1 | Not Included |
| 14 | Conduit A | 1"NPT Sealed Conduit | CPVC or 304SS | 1 | Not Included |
| 15 | Pipe Clamp | 3" | 304SS | 2 | Not Included |
| 16 | Cable Adapter | Sealed Cable Adapter PG9 | Plastic | 1 | Not Included |
| 17 | Pipe Cap | 1" FNPT | CPVC | 1 | Not Included |
| 18 | Pipe Clamp | 1" M8 Thread w/Bolts | 304SS | 1 | Included |
| 19 | Stent A | Drawing work piece | 304SS | 1 | Included |
| 20 | U Pipe Clamp | 4" | 304SS | 2 | Included |
| 21 | Shaft Pin | φ10×L100 | 304SS | 3 | Included |
| 22 | Stent B | Drawing work piece | 304SS | 1 | Included |