



Cam Lock Connections

This document contains the recommended procedures using an optional Cam Lock connection with a Hawkeye Gauge Head.

Requirements

Ensure the tank is prepared to receive a level gauging system.
This procedure forms part of the gauge head installation.

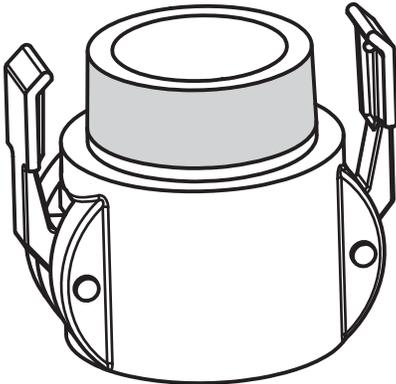
Parts Required

QTY	Part
▶ 1	Gauge Head
▶ 1	CamLock Connector Kit, which includes:
1	CamLock Connector - Female (Type B or D)
1	CamLock Connector - Male (Type A or F)
1	Lockout Device

Tools

- ▶ Pipe Wrench
- ▶ Thread Sealant

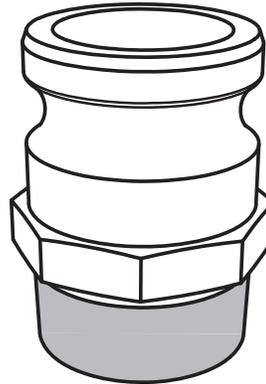
Gauge Side Preparation



- 1.) The Female Cam Lock (Type B or D, depending on Gauge Head) is installed on the gauge head side of the connection.
- 2.) Lubricate the threads (figure 1)
- 3.) Thread the coupling onto the gauge head, and tighten to wrench tight.

Figure 1

Tank Side Preparation



- 1.) The Male Cam Lock (Type A or F, depending on tank nozzle) is installed on the tank side of the connection.
- 2.) Lubricate the threads (figure 2)
- 3.) Thread the coupling onto the tank, and tighten to wrench tight.

Figure 2

Installation

- 1.) Run the float cable from the indicator, through both parts of the cam lock connection, and into the tank.

Connect the float per gauge installation instructions.
- 2.) Open the female cam lock handles, and align the connection components (Figure 3).
- 3.) Drop the female connection over the male (Figure 4) and rotate the gauge head for proper alignment to the gauge board.
- 4.) Close the female cam lock handles once the gauge head rotation is set (Figure 5)
- 5.) Secure the handles in the closed position by running the enclosed stainless zip tie through the holes in the handles, and cinching it down tightly (Figure 6)

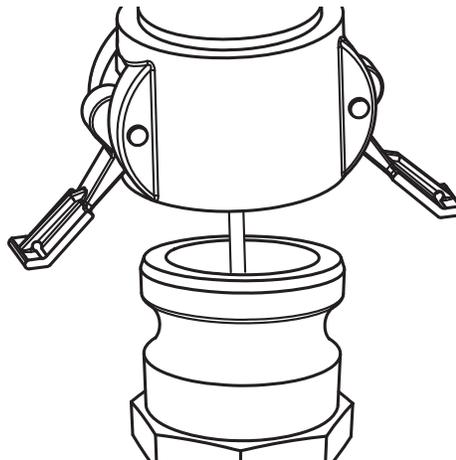


Figure 3

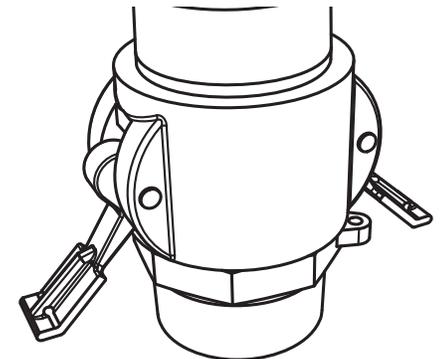


Figure 4

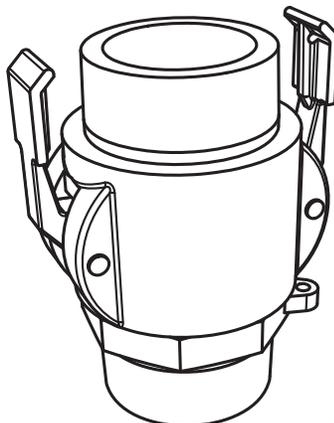


Figure 5

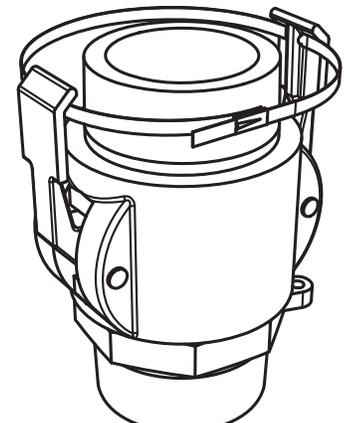


Figure 6