

Model CMAS-203 Snap Action Float Operated Pneumatic Liquid Level Control

Bulletin SSIN009 Issue/Rev. 0.1 (8/17)

The **INVALCO Model CMAS-203** utilizes a stainless steel float and a pneumatic output for control of liquid level. An override feature permits adjustment of set points without disturbing process level.

Features and Benefits

- · Adjustable span to desired level detection point.
- Proven Micro Valve® unit provides long life and ease of maintenance.
- Operation override allows for the adjustment of set points without disturbing process level.
- Steel Body provides long life, reducing cost of ownership.

Options

- NACE adaptable for use in harsh, corrosive service.
- Dual seal available.

Specifications

Float Size

2" diameter x 10" long

Float Material

304 Stainless Steel

Float Rod

303 Stainless Steel

Vessel Connection

2" MNPT

Working Pressure

300 psig. Working pressure of controller is limited by collapse of float ball.

Temperature Limits

-20°F to 250°F



Micro Valve® Specifications

Model

316F1, three-way

Ports

1/4" FNPT

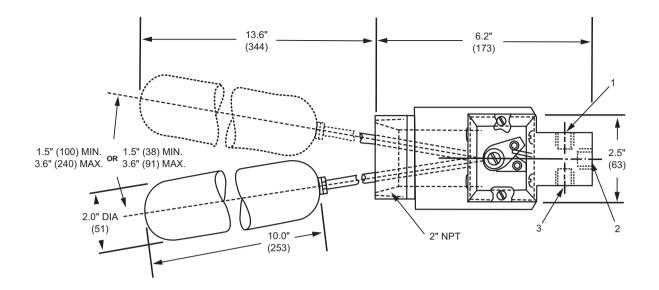
Body Material

Anodized Aluminum

Orifice

- Standard 1/16" (90 psi working pressure).
- 1/32" (250 psi working pressure).
- Consult factory for other working pressures.

Dimensions

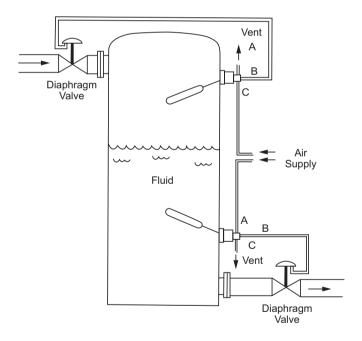


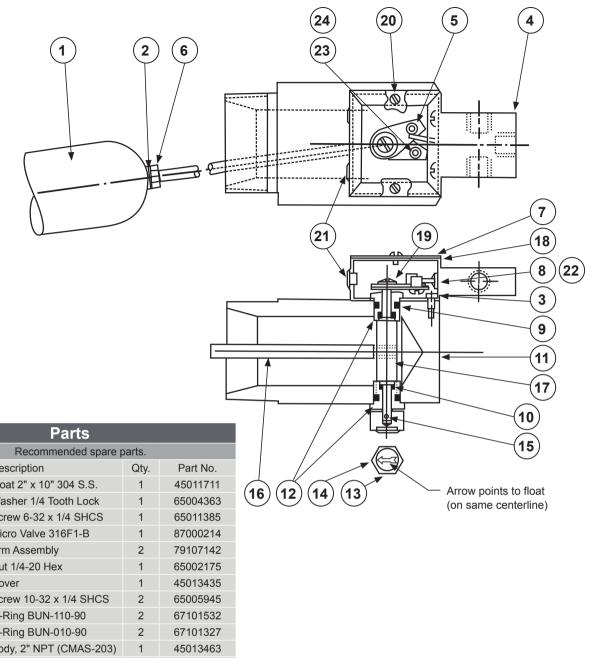
Dimensions - Inches to the nearest tenth (millimeters to the nearest whole mm), each independently dimensioned from engineering drawings.

Three-way Micro Valve Operation

With Float Level at Low Level	With Float Level at High Level
Port 1 Closed to 2	Port 1 Open to 2
Port 2 Common	Port 2 Common
Port 3 Open to 2	Port 3 Closed to 2

Model CMAS-203 Typical Installation





Ordering information

To Order: Specify part number and catalog model number.

[®]Micro Valve is a registered trademark of Barworth Corporation

Catalog Model Number	Nominal Connection Size & Type	Materials		Part
		Body	Float	Number
CMAS-203	2" NPT	Steel	304 S.S.	80003006

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

Contact information is subject to change. For the most current contact information, visit our website at www.fmctechnologies.com/measurementsolutions and click on the "Contact Us" link in the left-hand column.

TechnipFMC FMC Technologies Measurement Solutions, Inc. 500 North Sam Houston Parkway West, Suite 100 Houston, Texas 77067 USA P:+1 281.260.2190 USA Operation 1602 Wagner Avenue Erie, Pennsylvania 16510 USA P:+1 814.898.5000

Germany Operation Smith Meter GmbH Regentstrasse 1 25474 Ellerbek, Germany P:+49 4101.304.0