

## FAM540 ABB Flow Meter Metal Cone Variable Area Flowmeter VA Master

### Basic Information

- Brand Name: ABB
- Model Number: FAM540



### Product Specification

- Accuracy: High
- Communication Protocol: HART, PROFIBUS, FOUNDATION Fieldbus
- Fluid: Gas, Liquid
- Installation Type: In-line, Insertion
- Material: Stainless Steel, Alloy Steel, Titanium
- Measuring Principle: Differential Pressure
- Output Signal: 4-20mA
- Pressure Range: 0-100Bar
- Process Connection: Flange, Thread, Sanitary
- Product Name: ABB Flow Measurement Products
- Product Type: Flow Measurement
- Range: Wide
- Temperature Range: 0-150
- Warranty: 1 Years
- Highlight: **FAM540 ABB Flow Meter.**

## Product Description

### Metal cone variable area flowmeter VA Master FAM540

The VA Master FAM540 flowmeter can be utilized for measuring the flow of liquids, steam and gases, especially when aggressive or opaque fluids are to be metered.

It is ideal for the chemical, pharmaceutical and food and beverage industries.

#### Overview

The flowmeters are indispensable where high pressure and / or high temperature operating conditions exist. The stainless steel primaries as well as the PTFE liner primaries are proven in many applications even under hardest conditions.

Primary instrument designs

- Type FAM541: Standard-line with flange connections
- Type FAM544: Hygienic design
- Type FAM545: With PTFE-liner for aggressive fluids (in Classic phase, please contact ABB for information about product availability)

Easily adjustable for new operating conditions

Magnetic stick operation

- Configurations also possible with closed housing

All devices are available as analog indicator with or without alarms as well as electronic transmitter with 4 to 20 mA, HART communication and NAMUR contact outputs and optionally with a graphical display. They can be used in all hazardous areas.

#### Data

##### General specifications:

Application

- Clean liquids, gases and steams

Mounting

- Vertically, in line

Connections

- 1/2 to 4 in., flanged, hygienic (DIN, SMS), vertical

Flow ranges

- Water flows: 0.028 to 120 m<sup>3</sup>/h

Flow turndown

- Typically 10:1

Operating pressure

- Up to 100 bar (1450 lbf/in<sup>2</sup> g)

Operating temperature

- Up to 400 °C (752 °F)

Accuracy

- Class 1.6 (Class 2.5: PTFE line tubed opt.)

Alarms

- Slot sensors, up to 2 off

Tube material

- Stainless steel, optional PTFE lined

Float material

- Stainless steel, optional PTFE lined/float damping

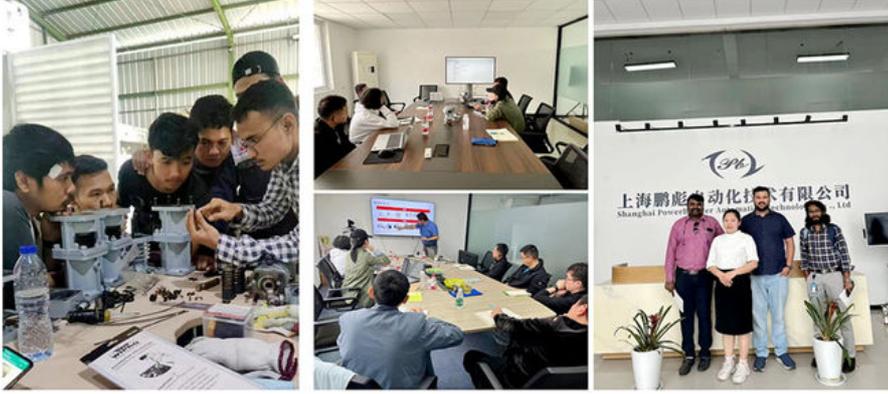
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