



Ankersmid Flow Meter

AFM 10X

Application

The acrylic **AFM 10X** flow meter for front and panel mounting is used for flow control of gas media in analysis devices and systems.



* Picture may vary

Description

The **Ankersmid AFM 10X** flow meter consists of a vertical, internally conical glass tube widening towards the top in which a float can move freely upwards and downwards and of the head and bottom piece with an integrated Stainless Steel needle valve

The sample gas flows upwards through the tube and lifts the float until a radial clearance occurs between the tube wall and the float so that forces affecting the body are in equilibrium. Every position of the float corresponds to a certain flow which can be read on a calibrated scale.

The measuring tube is sealed within the head and bottom part with FPM o-rings, as is the fine adjustment needle valve.

The flow meter is fitted with a fine adjustment valve in the inlet for precise flow value setting.

- Good chemical resistance
- Compact design
- With fine adjustment needle valve

Technical data

Model	AFM xxx
Max. pressure	20 bar (30 bar/30°C)
Max. temperature	75°C
Flowtube	Acrylic (PMMA)
Valve	AISI 316
Connectors	AISI 316
Seals	Nitrile (* Viton®, EPDM)
Connections	NPT 1/4" (*BSP 1/4")
Accuracy	±10% F.S. (H ₂ O, +20°C)
Weight	300 g

Available flow ranges:

AFM 101	0,1-1,2 NI/min
AFM 102	0,5-2,5 NI/min
AFM 103	0,5-6 NI/min
AFM 104	2-14 NI/min
AFM 105	5-30 NI/min

