

## V-100 product information



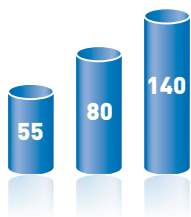
Discontinued Product

# Variable area flowmeters for gases and liquids

# Wide-ranging and modular: Variable area flowmeters V-100

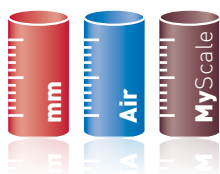
Highly modular and adaptable for almost any requirement: Variable area flow meter with a wide range of options.

## Measuring tubes in 3 sizes



The flow meters are available with three different glass tube lengths

## Measuring tube scales



In addition to mm scales with flow rate table, glass tubes with direct reading or custom scales are available

## Precise control valves

The devices are equipped with precise, hysteresis-free 15-way control valves. The valves are tightly closing

## Different device setups

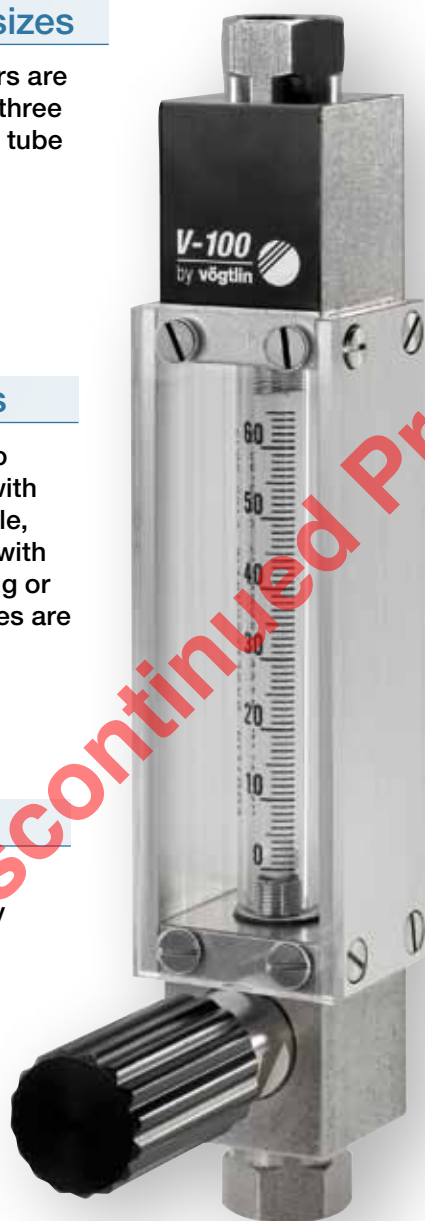


In addition to standard rear ports, devices with lateral and vertical ports are available

## Aluminium or stainless steel



The bodies are available in aluminium or stainless steel. Sealing materials FKM or EPDM



## Various instruments options

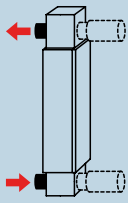
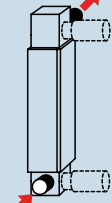
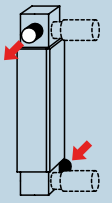
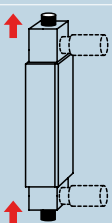
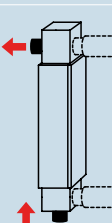
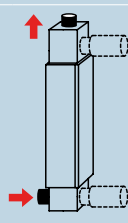
We offer a range of options for the flow meters:

- Laboratory base
- Limit contact (inductive)
- Adaptation to customized gas line routing



Variable area flowmeters V-100 140 with laboratory base

# Technical specifications variable area flowmeters V-100

<b>Features</b>	<b>Construction</b>	Short mounting length, 3 instrument sizes		
	<b>Connections</b>	Rear, lateral or axial		
	<b>Scale</b>	Millimetric scale, direct reading scale and customer-specific scale. The scales are highly wear-resistant		
	<b>Float type</b>	Spherical		
	<b>Valve</b>	Precisely adjustable, 15-turn micro valve, practically hysteresis-free The control range (Kv-value) is optimized for the full scale		
	<b>Body material</b>	Aluminium or stainless steel		
	<b>Seals material</b>	FKM, EPDM or FFKM		
	<b>Customization</b>	We provide customer-specific versions		
<b>Instrument versions</b>	<b>Setup</b>	Type S* (Standard setup) Setup L, R, A, T and O (see below)		
	<b>Material</b>	Anodized aluminium/Nickelized brass (valve)/FKM Stainless steel/FKM Stainless steel/EPDM Stainless steel /FFKM		
	<b>Connection</b>	G 1/4" female* G 1/8" female G 1/4" female for compression fittings NPT 1/4" female		
	<b>Valve at inlet* or outlet</b>	With standard knob* Without valve		
<b>Technical data</b>	<b>Type</b>	<b>V-100 55</b>	<b>V-100 80</b>	<b>V-100 140</b>
	<b>Turndown ratio</b>	10:1	10:1	10:1
	<b>Accuracy in % of full scale</b>	±5%	±5%	±5%
	<b>Measuring tube length</b>	55 mm	80 mm	140 mm
	<b>Scale length</b>	40 mm	65 mm	120 mm
	<b>Float</b>	spherical	spherical	spherical
	<b>Max. pressure</b>	20 bar	20 bar	16 bar
	<b>Max. temperature</b>	100 °C	100 °C	100 °C
<b>Max. pressure drop</b>	20 mbar	20 mbar	30 mbar	
<b>Options</b>	Calibration report (factory certificate)			
	Additional flow rate table for mm-scale			
	Laboratory base			
	Back cover (milky plexiglass)			
	Limit switch: min. limit switch, max. limit switch			
	Relays 24 Vdc for limit switch, relays 230 Vac for limit switch			
	Hose connectors PVC			
	Customized measuring tube scale			
<b>Setup</b>	<b>Setup S (standard)</b>	<b>Setup L (stainless-steel only)</b>	<b>Setup R (stainless-steel only)</b>	
				
	<b>Setup A (stainless-steel only)</b>	<b>Setup T (stainless-steel only)</b>	<b>Setup O (stainless-steel only)</b>	
				

\*Standard – Subject to technical alterations





Do you have any questions about our products?

Give us a call:

**+41 (0)61 756 63 00**

Or write us an e-mail:

**info@voegtlin.com**

You will find your local Vögtlin sales partner on the internet:

**www.voegtlin.com**

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**Vögtlin Instruments GmbH – flow technology**

Langenhagstrasse 1 | 4147 Aesch (Switzerland)

Phone +41 (0)61 756 63 00 | Fax +41 (0)61 756 63 01

www.voegtlin.com | info@voegtlin.com

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