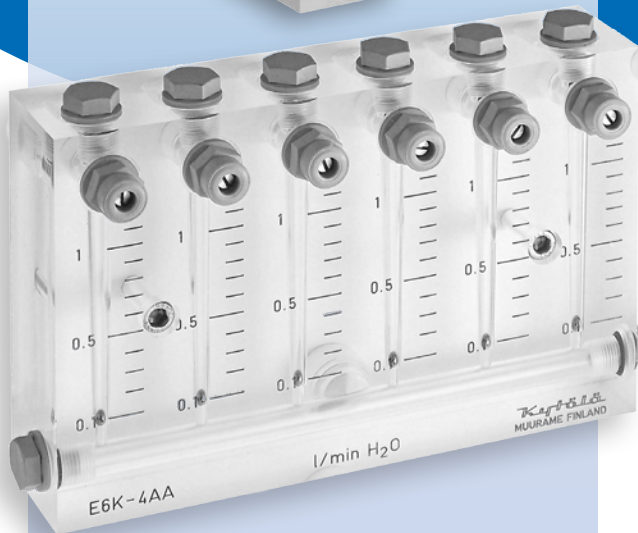


The KYTOLA® Variable Area Flow Meter Model E is a high quality flow meter made from clear acrylic.

It is a reliable and easy-to-read instrument for measuring and monitoring liquid and gas flows.



- For liquid or gas
- Several flow ranges
- Single or multi-tube versions
- Clear, easy-to-read scale

ISO 9001:2008 ISO 14001:2004

FLOW METER E

Model E is available in single tube and multi-tube versions with many options, and it is also available in customized designs.

FEATURES

Acrylic body
Flow adjustment valve

TYPICAL APPLICATIONS

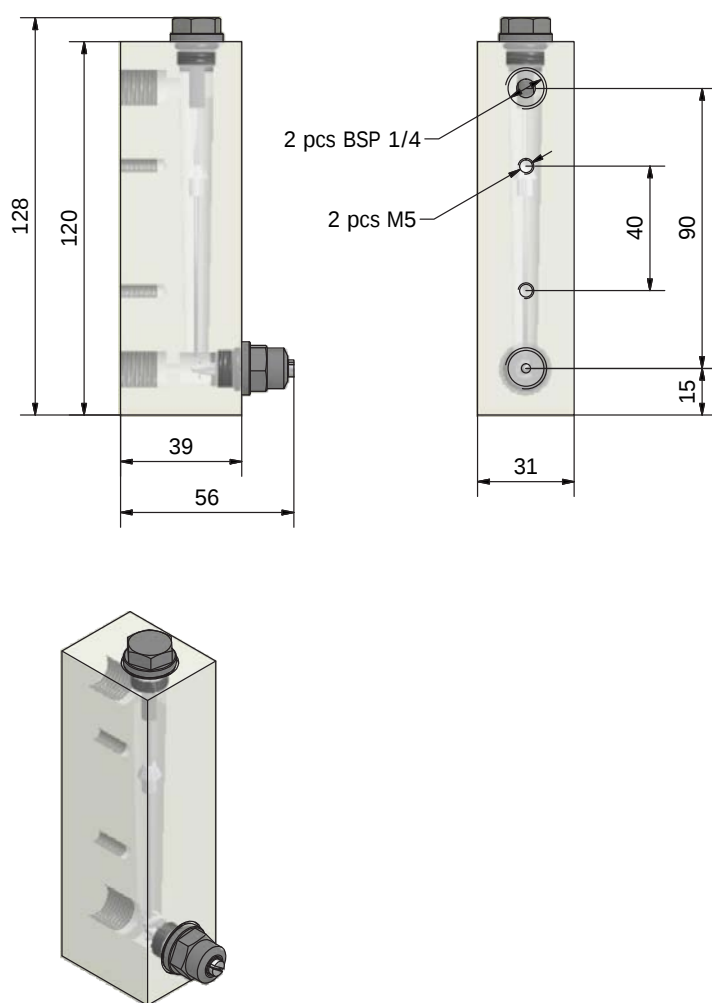
Water and air purging
Gas measurements
Liquid measurements

OPTIONS

Special scale markings
Scales for alternative liquids and gases
Thread adapters
Inductive low/high flow alarm
Viton® or EPDM seals

Model	EK	EH
Valve housing / plugs	Nylon	AISI 316
Valve spindle	AISI 316	AISI 316
Weight	170 g	200 g
Body	Acrylic (PMMA)	
Seals	Nitrile (*Viton®, EPDM)	
Max. pressure	20 bar (30 bar / +30°C)	
Max. temperature	+75°C	
Connections	BSP 1/4", thread adapters must be used for NPT connections	
Accuracy	± 5% F.S. (H ₂ O, +20°C)	
*) Special construction on request		

Tubes		
Single tube	blank	
Number of tubes (2–12)	x	
Valve Housing / Plug Material		
Nylon	K	
AISI 316	H	
Flow Range		
H₂O	Air NL/min	
2 – 16 mL/min	0.1 – 0.8	2K
2.5 – 30 mL/min	0.1 – 1.2	2L
5 – 55 mL/min	0.2 – 1.8	2M
10 – 80 mL/min	0.4 – 2.6	2N
0.01 – 0.11 L/min	0.5 – 5.5	3K
0.02 – 0.18 L/min	0.5 – 7	3L
0.025 – 0.3 L/min	1 – 9	3M
0.05 – 0.45 L/min	1 – 12	3N
0.05 – 0.5 L/min	2 – 20	4B
0.1 – 1.1 L/min	2 – 36	4A
0.2 – 1.6 L/min	7.5 – 47.5	5E
0.2 – 2.2 L/min	5 – 70	5S
0.5 – 2.5 L/min	10 – 90	5F
Scale		
H ₂ O (L/min) at +20°C		A
Air (NL/min) at +20°C / 101.3 kPa		R
Special Features		
Hand knob		H
Viton® seals		V



NOTE: Thread adapters must be used for NPT connections.

The KYTOLA® Variable Area Flow Meter Model L is a sturdy industrial acrylic flow meter.

Model L is a reliable instrument for measuring and monitoring liquid and gas flows.



- Several flow ranges
- Scales for alternative gases and liquids
- Clear, easy-to-read scale

FLOW METER L

FEATURES

Plastic flow tube with stainless steel connections

Flow adjustment valve

TYPICAL APPLICATIONS

Gas purging

Water purging

Liquid and gas flow measurements

OPTIONS

Constant flow regulator

Hand knob

Viton® or EPDM seals

Model	LH	LR	LT
Max. pressure	20 bar (30 bar/+30°C)	20 bar (30 bar/+35°C)	20 bar (30 bar/+30°C)
Max. temperature	75°C	80°C	70°C
Body	Acrylic (PMMA)	Grilamid (PA-12)	Trogamid-T (PA6-3-T)
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		

*) Special construction on request

Flow Tube Material

Acrylic	H
Grilamid	R
Trogamid-T	T

Flow Range

H ₂ O	Air	
2 – 18 mL/min	0.1 – 0.9 NL/min	4K*
2.5 – 30 mL/min	0.1 – 1.2 NL/min	4A*
5 – 55 mL/min	0.2 – 1.8 NL/min	4B*
15 – 80 mL/min	0.5 – 2.5 NL/min	4C*
0.01 – 0.13 L/min	0.5 – 6 NL/min	5K
0.01 – 0.2 L/min	0.5 – 7 NL/min	5A
0.025 – 0.35 L/min	1 – 10 NL/min	5B
0.05 – 0.5 L/min	2 – 14 NL/min	5C
0.1 – 0.75 L/min	3 – 20 NL/min	8T
0.1 – 1 L/min	5 – 30 NL/min	8M
0.2 – 1.6 L/min	10 – 50 NL/min	8P
0.2 – 2.6 L/min	10 – 85 NL/min	8S
0.5 – 3 L/min	15 – 110 NL/min	8R

Scale

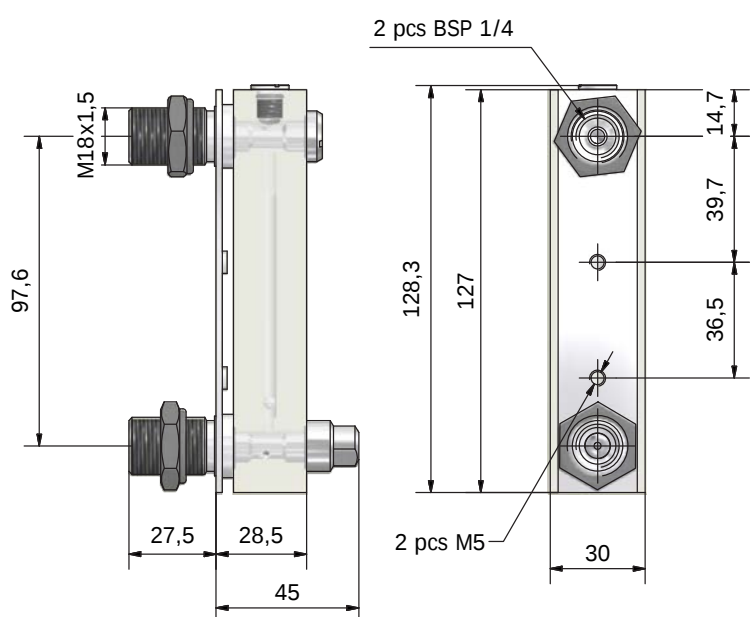
H ₂ O (m ³ /h) at +20°C	A
Air (Nm ³ /min) at +20°C/101.3 kPa	R
Relative scale 1–10	D

Special Feature

Hand knob	H
Connections NPT 1/4"	blank
Connections BSP 1/4"	R
Nitrile seals	blank
Viton® seals	V

Standard feature: leave blank
Special feature: choose Character

* = Accuracy not guaranteed



Model L with constant flow regulator Model 2851



KYTOLA® Model V Variable Area Flow Meter is designed for reliable measuring and monitoring of liquid and gas flows.

It comes in a range of different options and offers a choice of end blocks – aluminium, stainless steel AISI 316 or polyamide.



- Sturdy construction
- Impact resistant flow tube
- Model VE in multi-tube versions
- Scales for alternative liquids and gases

ISO 9001:2008 ISO 14001:2004

FLOW METER VD, VE, VL

FEATURES

Large selection of materials

Alarm-ready

Models VD and VE with built-in flow adjustment valve and quick change flow tube

TYPICAL APPLICATIONS

Lubrication oil measurement

Sealing and cooling water measurement

Flush water applications

Gas flow measurements

OPTIONS

Low and high flow alarm

Constant flow regulator

Viton or EPDM seals

PES flow tube

Model	VDA	VDH	VDK
End blocks	Aluminium	AISI 316	Nylon
Side plates	AISI 316	AISI 316	AISI 316
Max. pressure	30 bar	30 bar	20 bar
Max. temperature	80°C (*120°C)	80°C (*120°C)	80°C
Weight	0.75 kg	2.00 kg	0.95 kg
Valve housing	Aluminium	AISI 316	AISI 316
Valve spindle	AISI 316	AISI 316	AISI 316
Flow tube	Grilamid (PA-12) (*PES)		
Connections	BSP 1/2" or NPT 1/2"		
Float	AISI 329 or AISI 329/PTFE (depending on range)		
Seals	Nitrile (*Viton®, EPDM)		
Accuracy	±5% F.S. (H ₂ O, +20°C)		
*Special construction on request			

VD

End Block Material

Aluminium (not for H ₂ O)	A
AISI 316	H
Nylon	K

Flow Range

H ₂ O	Air	
0.4 – 2 L/min	15 – 75 NL/min	6H
0.75 – 3 L/min	30 – 130 NL/min	3H
1.5 – 5 L/min	40 – 180 NL/min	3K
2 – 9 L/min	80 – 280 NL/min	3L
2.5 – 10 L/min	75 – 325 NL/min	3M
3 – 16 L/min	100 – 600 NL/min	4N
4 – 17 L/min	100 – 650 NL/min	4D
4 – 22 L/min	100 – 1100 NL/min	4E
7.5 – 32.5 L/min	–	4F

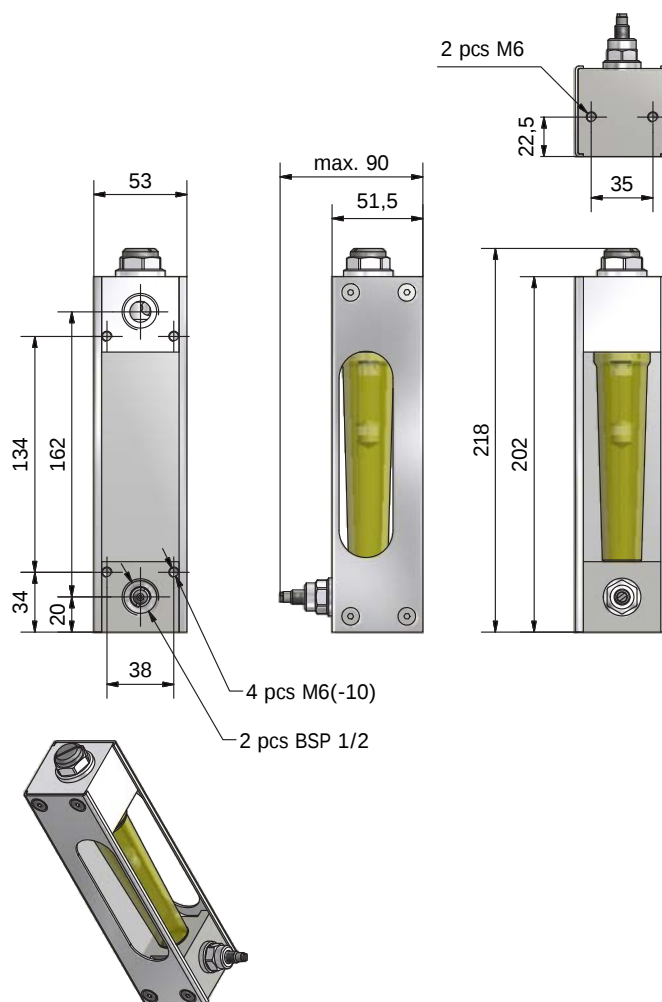
Scale

H ₂ O (L/min) at +20°C	A
Air (NL/min) at +20°C/101.3 kPa	R

Special Feature

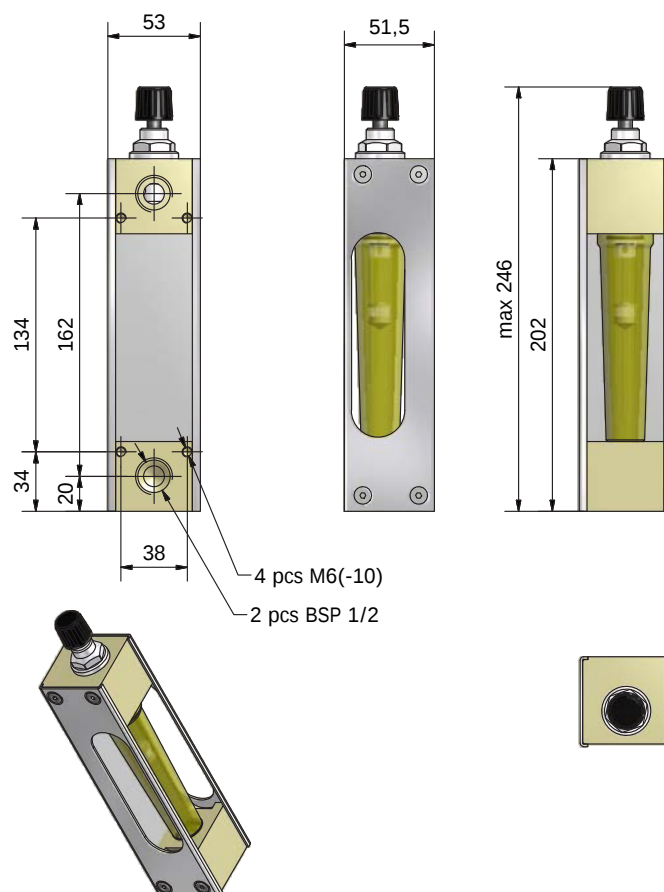
Alarm readiness	D
BSP connections	<i>blank</i>
NPT connections	N
Grilamid flow tube, nitrile seals	<i>blank</i>
PES flow tube, nitrile seals	V
PES flow tube, Viton® seals	W
Grilamid flow tube, Viton® seals	X

Standard feature: leave *blank*
 Special feature: choose Character



Model	VEA	VEH	VEK
End blocks	Aluminium	AISI 316	Nylon
Side plates	AISI 316	AISI 316	AISI 316
Max. pressure	30 bar	30 bar	20 bar
Max. temperature	80°C (*120°C)	80°C (*120°C)	80°C
Weight	0.75 kg	2.00 kg	0.95 kg
Valve housing	Aluminium	AISI 316	AISI 316
Valve spindle	AISI 316	AISI 316	AISI 316
Flow tube	Grilamid (PA-12) (*PES)		
Connections	BSP 1/2" or NPT 1/2"		
Float	AISI 329 or AISI 329/PTFE (depending on range)		
Seals	Nitrile (*Viton®, EPDM)		
Accuracy	±5% F.S. (H ₂ O, +20°C)		
*Special construction on request			

VE				-			-	
End Block Material								
Aluminium (not for H ₂ O)				A				
AISI 316				H				
Nylon				K				
Flow Range								
H ₂ O		Air						
0.4 – 2	L/min	15 – 70	NL/min	6H				
0.75 – 3	L/min	30 – 130	NL/min	3H				
1.5 – 5	L/min	40 – 170	NL/min	3K				
2 – 9	L/min	60 – 260	NL/min	3L				
2.5 – 10	L/min	75 – 300	NL/min	3M				
2 – 15	L/min	75 – 400	NL/min	4N				
4 – 17	L/min	100 – 450	NL/min	4D				
4 – 22	L/min	100 – 650	NL/min	4E				
5 – 30	L/min	150 – 700	NL/min	4F				
Scale								
H ₂ O (L/min) at +20°C				A				
Air (NL/min) at +20°C/101.3 kPa				R				
Special Feature								
Alarm readiness				D				
BSP connections				blank				
NPT connections				N				
Grilamid flow tube, nitrile seals				blank				
PES flow tube, nitrile seals				V				
PES flow tube, Viton® seals				W				
Grilamid flow tube, Viton® seals				X				
Standard feature: leave blank								
Special feature: choose Character								



Model	VLA	VLH	VLK
End blocks	Aluminium	AISI 316	Nylon
Side plates	AISI 316	AISI 316	AISI 316
Max. pressure	30 bar	30 bar	20 bar
Max. temperature	80°C (*120°C)	80°C (*120°C)	80°C
Weight	0.75 kg	2.00 kg	0.95 kg
Flow tube	Grilamid (PA-12) (*PES)		
Connections	BSP 1/2" or NPT 1/2"		
Float	AISI 329 or AISI 329/PTFE (depending on range)		
Seals	Nitrile (*Viton®, EPDM)		
Accuracy	±5% F.S. (H ₂ O, +20°C)		

*Special construction on request

VL					-		-	
End Block Material								
Aluminium (not for H ₂ O)					A			
AISI 316					H			
Nylon					K			
Flow Range								
H ₂ O		Air						
0.4 – 2	L/min	15 – 75	NL/min	6H				
0.75 – 3.25	L/min	30 – 130	NL/min	3H				
1.5 – 5.5	L/min	40 – 180	NL/min	3K				
2 – 9	L/min	80 – 300	NL/min	3L				
3 – 10	L/min	75 – 325	NL/min	3M				
2 – 16	L/min	75 – 450	NL/min	4N				
3 – 17	L/min	100 – 500	NL/min	4D				
4 – 22	L/min	100 – 700	NL/min	4E				
5 – 30	L/min	150 – 900	NL/min	4F				
Scale								
H ₂ O (L/min) at +20°C					A			
Air (NL/min) at +20°C/101.3 kPa					R			
Special Feature								
Alarm readiness								D
BSP connections							blank	
NPT connections								N
Grilamid flow tube, nitrile seals							blank	
PES flow tube, nitrile seals								V
PES flow tube, Viton® seals								W
Grilamid flow tube, Viton® seals								X
Standard feature: leave blank								
Special feature: choose Character								

