

KYTOLA® Model HV Variable Area Flow Meter is an industrial flow meter.

Model HV comes with an injection molded impact resistant flow tube with threaded or socket type connections.

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



- For liquid or gas
- Good corrosion resistance
- Threaded or socket type connections
- Flow rate water up to 8 USGPM
- Flow rate air up to 35 SCFM

ISO 9001:2008 ISO 14001:2004

FLOW METER HV

FEATURES

Low cost

Large variety of flow ranges

TYPICAL APPLICATIONS

Process industry

Chemical industry

Water treatment plants

Flow measurement in PVC piping

General liquid and gas measurement

OPTIONS

Scales for alternative liquids and gases

Special scale markings

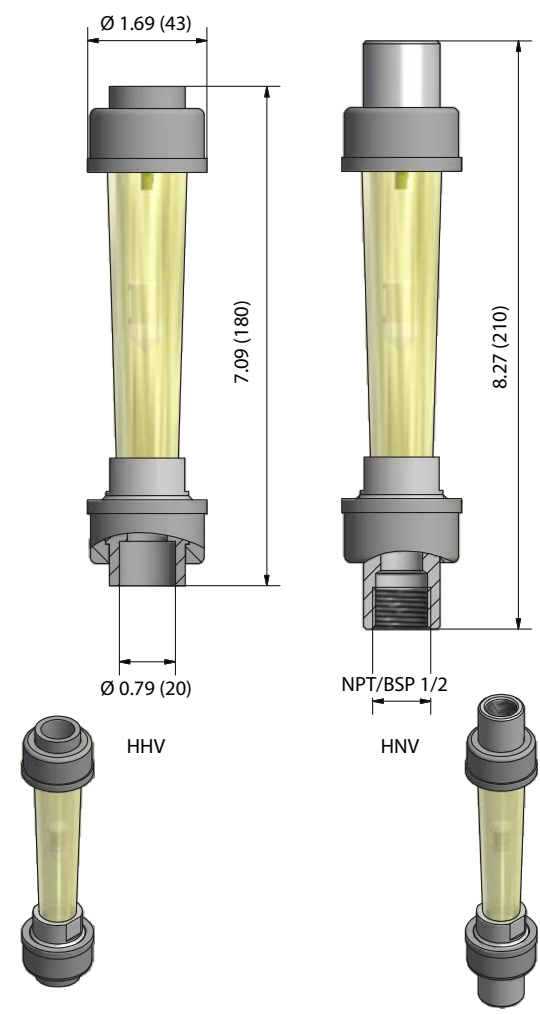
Viton® or EPDM seals

Low and high flow alarm

Model	HV	
Connection size	BSP/NPT 1/2" or 0.79" (20 mm) socket	
Weight	4.2 oz. (120 g)	
Max. pressure	145 psi at 68°F (10 bar at 20°C), *145 psi at 176°F (10 bar at 80°C)	
Max. temperature	167°F at 29 psi (50°C at 2 bar), *248°F at 29 psi (120°C at 2 bar)	
Flow tube	Grilamid (PA-12) (*PES)	
Connectors	PVC (*AISI 316, PVDF)	
Float	AISI 329 or AISI 329/PTFE (depending on range) Note! Other possible wetted metal parts: AISI 316	
Seals	Nitrile (*Viton®, EPDM)	
Accuracy	±5% F.S. (H ₂ O +20°C/68°F)	*) on request

				H	V	-	-	-
Connections								
Without PVC connectors				<i>blank</i>				
Socket type connections, 0.79"(20 mm)				H				
NPT 1/2" connections				N				
BSP 1/2" connections				R				
Flow Range H ₂ O		Flow Range Air						
USGPM	L/min	SCFM	NL/min					
0.05 – 0.5	0.2 – 2	0.5 – 2.75	15 – 70	6H				
0.2 – 0.9	0.75 – 3.25	1.0 – 5	30 – 130	3H				
0.3 – 1.4	1.5 – 5	1.5 – 6.5	40 – 180	3K				
0.6 – 2.2	2.0 – 8	3.0 – 10	60 – 280	3L				
0.6 – 2.6	2.5 – 10	3.0 – 12	75 – 300	3M				
1.0 – 4.5	3.0 – 17	4.0 – 20	100 – 500	4D				
1.5 – 5.5	4.0 – 22	4.0 – 24	100 – 650	4E				
1.5 – 8.0	5.0 – 30	5.0 – 35	150 – 900	4F				
Scale								
H ₂ O L/min (20°C)				A				
H ₂ O m ³ /h (20°C)				C				
H ₂ O USGPM (70°F)				G				
Air NL/min (20°C, 1.013 bar (abs))				R				
Air SCFH (70°F, 14.7 psia)				V				
Air SCFM				T				
Special Feature								
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				
EPDM seals				Y				

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



NOTE: Measurements in the drawings in this datasheet are in inches (and millimeters) if not stated otherwise.

Copyright© Kytola Instruments Oy 2016. Dimensions and measurements are given within normal tolerances. Manufacturer reserves the right to changes without prior notification. File HV_es11NA_en Published 6/2016.