

Measuring Range

SIZE		MINIMUM FLOW RATE (m ³ /h) <MEASUREMENT ACCURACY: ±1.0%RD>					MAXIMAU FLOW RATE (m ³ /h)
		KINEMATIC VISCOSITY X 10 ⁻⁶ m ² /S (cst)					
mm	inch	1	2	3	4	5	
20	3/4	0.9	1.8	2.7	3.6	4.5	5.4
25	1	1.4	2.8	4.2	5.6	7	8.5
40	1 1/2	3.6	7.2	10.8	14.4	18	22
50	2	5.9	11.8	17.7	23.6	29.5	34
80	3	13.4	26.8	40.2	53.6	67	88
100	4	22.6	45.2	67.8	90.4	113	137
FLOW RATE		0.8m/sec	1.6m/sec	2.4m/sec	3.2m/sec	4.0m/sec	5.0m/sec

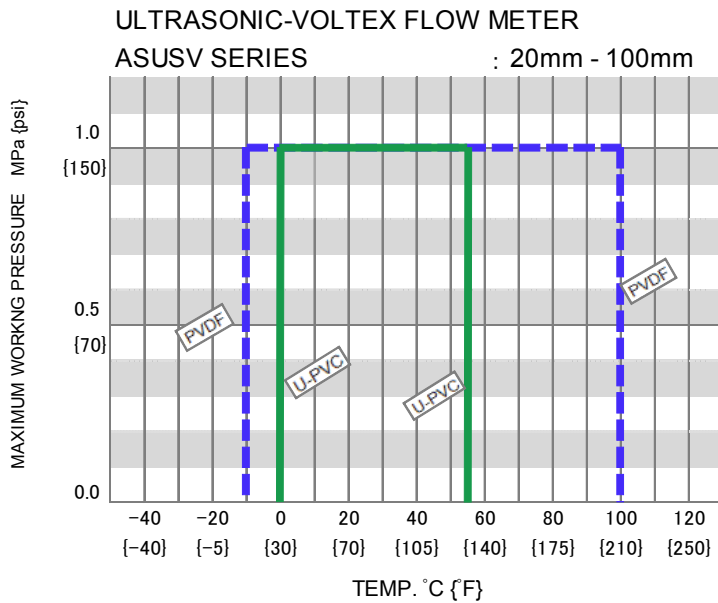
To maintain the measurement accuracy, provide a straight pipe of 10D on the upper-flow side and of 5D in the downstream.
(D = inside pipe diameter)

Certificate / Approval / Directive

PED, ABS,

“For details of applicable products, please consult us.”

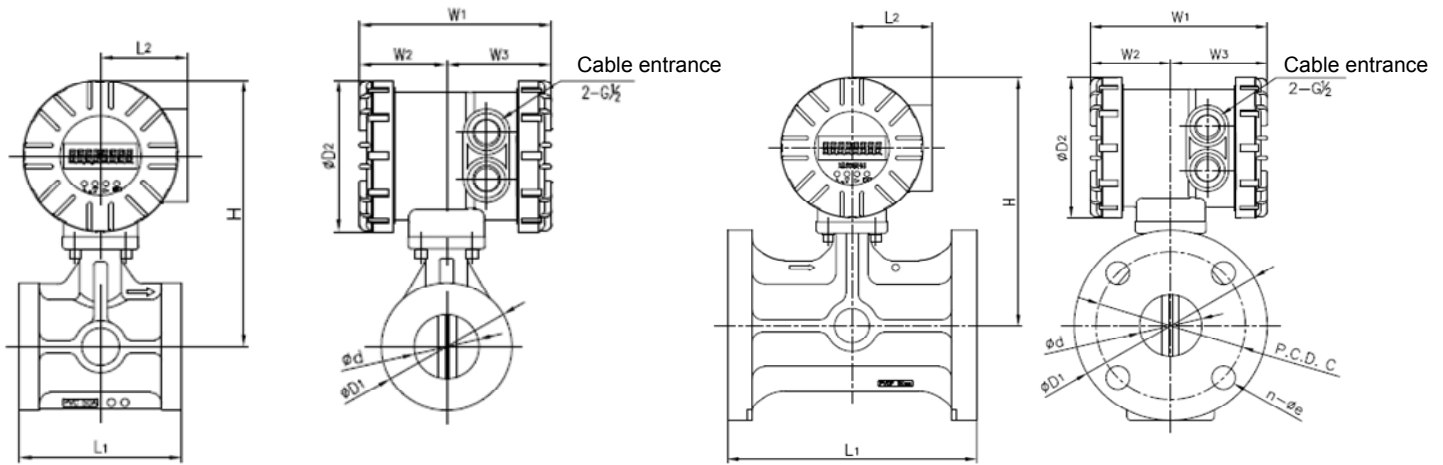
Working pressure vs. Temperature



Product dimension

WAFER

FLANGED



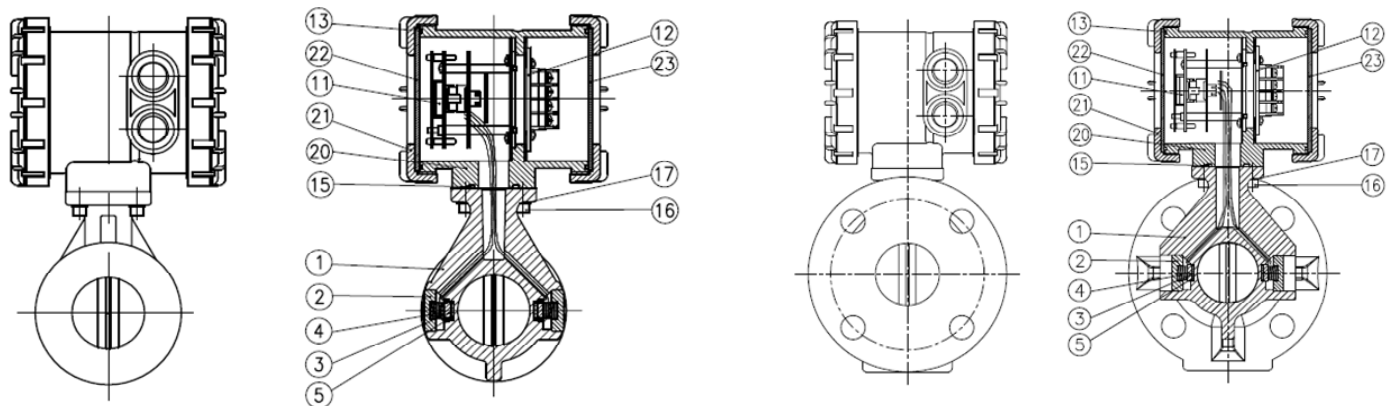
■ JIS (Unit: mm)

mm	inch	WAFER					FLANGED (JIS 10K)													
		L ₂	W ₁	W ₂	W ₃	φ D ₂	L ₁	H	φ D ₁	φ d	L ₁	H	φ D ₁	φ d	C	n	e			
20	3/4	64.5	138	62.5	75.5	114	85	187.5	53	19	200	180	100	19	75	4	15			
25	1						93	190	62	24		190	125	24	90					
40	1 1/2						106	197.5	77	38.5		197	140	38.5	105					
50	2						120	202.5	96.5	48.5		204	155	48.5	120					
80	3						160	225	127	72.5	-	-	-	-	-	-	-	-	-	-
100	4						180	239.5	155.5	94	-	-	-	-	-	-	-	-	-	-

Parts list

WAFER

FLANGED



PART NO./NAME	QTY	MATERIAL	PART NO./NAME	QTY	MATERIAL	PART NO./NAME	QTY	MATERIAL
1 HOUSING	1	PVC, PVDF	13 O-RING (A)	2	NBR S-90	19 MAGNET	1	—
2 SENSOR COVER	2	HT-PVC, PVDF	15 O-RING (C)	1	NBR G-25	Accessories		
3 SENSOR WEIGHT	2	PVC, PVDF	16 BOLT	4	STAINLESS STEEL	20 AMPLIFIER CASE BODY	1	PC
4 SPRING	2	STAINLESS STEEL	17 WASHER	4	STAINLESS STEEL	21 AMPLIFIER CASE NUT	2	PC
5 ULTRASONIC SENSOR	2	—	18 COLLAR ⁽¹⁾	4	PVC	22 AMPLIFIER CASE PLATE (A) · clear	1	PC
11 OPERATION BOARD	1	—	(JIS 10K)		Accessories Centering Jig	23 AMPLIFIER CASE PLATE (B) · black	1	PC
12 POWER SUPPLY BOARD	1	—						

(1) Used for Wafer type.

Product weight

ASUSV SERIES

UNIT : kg

mm	inch	WAFER		FLANGED
		U-PVC	PVDF	PVDF
20	3/4	1.3	1.3	1.5
25	1	1.4	1.4	1.8
40	1 1/2	1.6	1.6	2.2
50	2	1.8	1.9	2.8
80	3	2.2	2.3	-
100	4	2.5	2.6	-

Product model code list

ACTUATION	SIZE	BODY MATERIAL	CONNECTION	STANDARD	PACKING MATERIAL	AMPLIFIER DIRECTION	AMPLIFIER TYPE
ASUSV	***	*	*	J	*	*	P
ASUSV ULTRASONIC-VOLTEX FLOW METER	020 20mm 5 100 100mm	P U-PVC F PVDF	F FLANGED W WAFER	J JIS 10K	E EPDM T PTFE N NON ⁽¹⁾	1 0° 2 180°	P Standard

(1) Flanged type only.

Installation, Operation and Maintenance Manual

"For details of Installation, Operation and Maintenance, please refer IOM at below link"

http://www.asahi-yukizai.co.jp/product/mt_pdf/jidoben-manual33.pdf

http://www.asahi-yukizai.co.jp/en/product/plastic-pipe-material/datasheet/catalog/pdf/flow_meter.pdf