



# 120MPa

## Super High Pressure Coriolis Flowmeters



**Super high pressure hydrogen dispenser is suitable for FCV.**

- ◆ Operating pressures up to 120MPa.
- ◆ Exceptionally broad flow range (2.4 to 300kg/h): this single unit can refuel heavy buses.

### ■ GENERAL PERFORMANCE

Item	Description
Flow range	2.4 to 300kg/h
Accuracy	Less than 9.6kg/h: $\pm 0.125\%$ of the maximum service rate 9.6kg/h or above to the maximum allowable rate or less: $\pm 0.5\%$ of reading

## ■ GENERAL SPECIFICATIONS

### • Sensor Unit

Item	Description
Model	CA004□□2X
Nominal size	9/16"
Material	Wetted parts TPXM-19 UNS S20910 SA-312 Housing SUS304
Connector connection	High-press. cone & thread connection, size 9/16 562C (male thd. 1 1/8-12UNF)
Applicable fluids	Liquids and gases (*1)
Density range	0 to 2.0 g/mL
Temperature range (Structural rating)	-40 to +130°C
Maximum operating pressure	120MPa (at 93°C)
Flow direction	Forward and reverse, both available
Explosionproof configuration	TIIS, ATEX, IECEx, KCs, CSA, NEPSI
Weight (Terminal box and mtg. base incl.)	Approx. 21kg

\*1: For required operating pressure of gas measurement, contact OVAL.

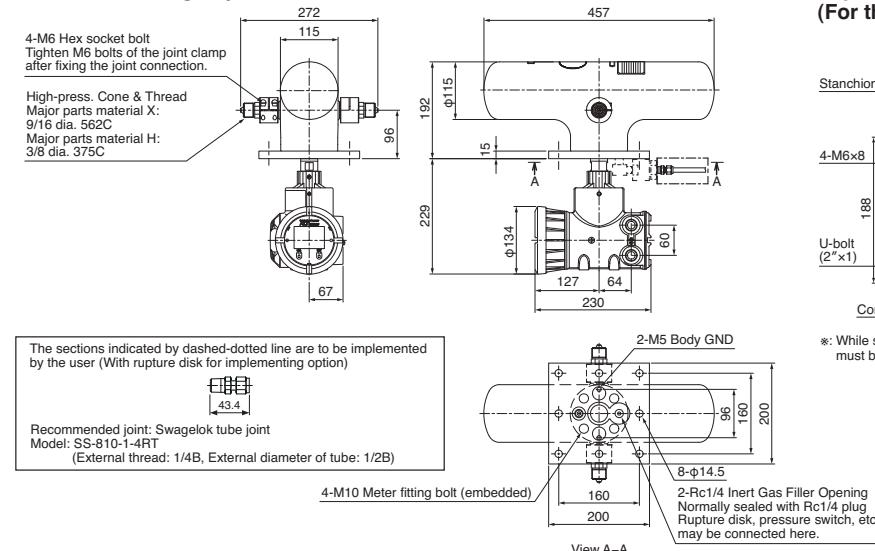
\*\*: Density and volume flow measurements are unavailable.

\*\*\*: Since the casing of sensor unit is not pressure resistant, the withstanding pressure rating of the casing is not indicated. To afford adequate protection, an Rc1/4 boss is provided; use customer's discretion in providing a rupture disc (Supported with options we offer.), pressure switch, etc. Rupture disc pressure rating and pressure switch setting is 7 MPa (G).

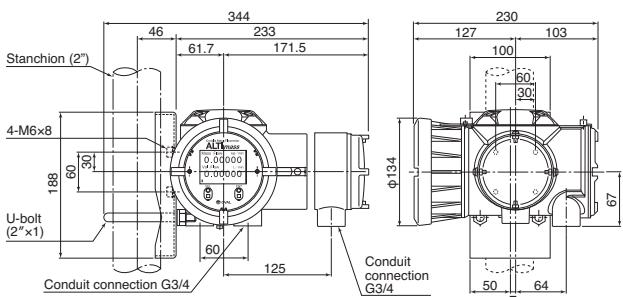
\*\*\*\*: For high pressure gas safety regulations-compliant models, contact OVAL.

## ■ DIMENSIONS

### • Transmitter integrally mounted

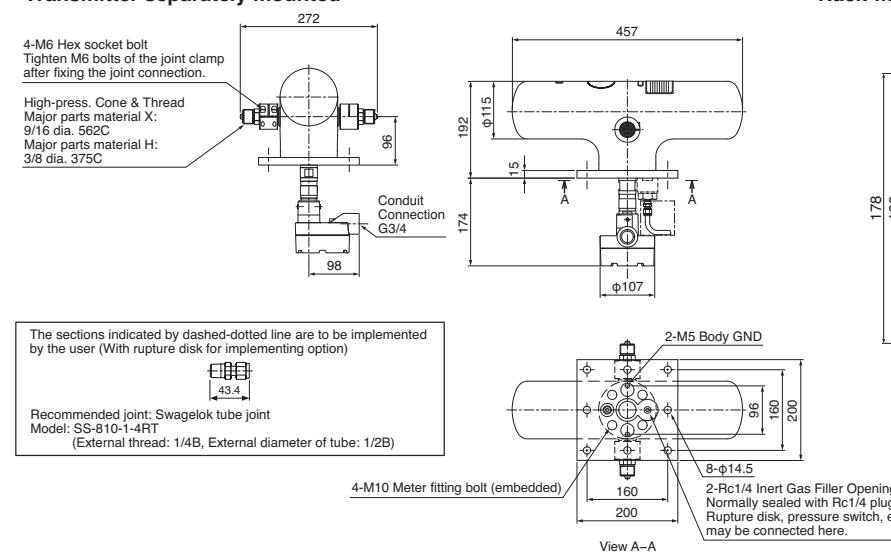


### • Separately located transmitter (For the rack-mount transmitter, refer to GS No.GEJ516E.)

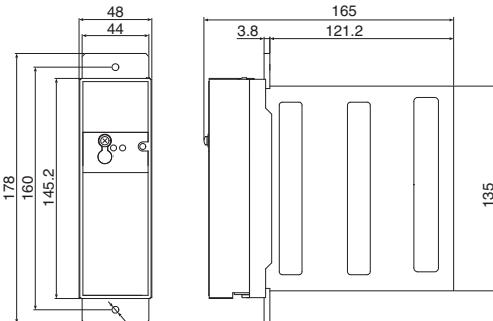


\*: While stanchion mounting hardware (U-bolt) is furnished as standard accessories, the stanchion itself must be provided by the customer.

### • Transmitter separately mounted



### • Rack-mount transmitter



The specification as of April, 2022 is stated in this catalog. Specifications and design are subject to change without notice.



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