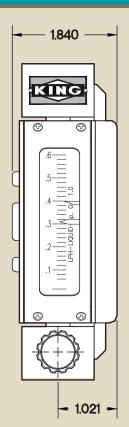
# **7100 Series Flowmeters**



All 316L stainless steel construction makes this meter suitable for low-flow, high-pressure application.

## **DESCRIPTION**

# **Metering Tube**

316L Stainless Steel

# **Internal Components**

316L Stainless Steel or Hastelloy® C-276

# **Inlet/Outlet Fittings**

1/4" FNPT, Horizontal; Control Valve Optional

# **Fitting Material**

316L Stainless Steel

# **Connection Type**

1/4" FNPT

**Elastomers** (valve meters only) Standard: Viton®

Optional: Buna N, EPR, and Kalrez®

# **Case and Side Cover**

Die Cast Aluminum

# **PERFORMANCE**

#### **Capacities**

0.60 to 25 GPH – Water 1 to 120 SCFH – Air 2.4 to 95 LPH – Water 28.3 to 3,400 SLPH – Air

#### Scala

60 mm (2") Direct reading

## **Accuracy**

± 5% of Full Scale Flow

#### Turndown

10:1 unless otherwise indicated

# Repeatability

1 %

### **Max Temperature**

O-ring	IVIAX
Material	Temperature
EPR	300° F (149° C)
Buna N	275° F (135° C)
Viton	350° F (177° C)
Kalrez	400° F (204° C)
No O-ring	400° F (204° C)

# **Max Pressure**

Valve models — 1,500 psig Non-valve models — 4,000 psig

# **Ambient Temperature**

-40° F to 125° F (-40° C to 52° C)

# **OPTIONS**

#### Alarm

Single, Inductive Slot Sensor

# **Certified Calibrations**

Conform to ISA RP 16.6

#### Scales

Can be produced in any volumetric unit

## **Rear Mounting Bracket**

304 Stainless Steel

#### **SPECIFICATIONS:**

Order Number	Water GPH	Water LPH
02W	.6	2.4
04W	1.2	4.5
06W	2.8	10.5
W80	5.5	20
10W	12	45
12W	25	95

Order	Air	Air
Number	SCFH	SLPH
00A	1.0	28.3
01A	2.5	70
03A	5.5	155
05A	13	360
07A	24	680
09A	55	1550
11Δ	120	3400

# **ORDERING:**

Use the following guide to determine the specific product number you require.

7 1 0		*				
<b>Meter Series</b>	<b>Material of Construction</b>	O-ring Material	Scale	Valve Options	<b>Optional Alarm</b>	Order Number
	316L SS - 1	No O-ring - 0	Millimeter - 1	Inlet 316L SS - 1	No Alarm - 0	See Specification
	HST® C-276 - 2	EPR - 1	GPH Water - 2	Outlet 316L SS - 2	With Alarm - A	Table Above
		Buna-N - 2	LPH Water - 3	No Valve - 3		
		Viton® - 3	SCFH Air@STP - 4	Inlet HST® C-276 - 4		
		Kalrez® - 4	SLPH Air@STP - 5	Outlet HST® C-276 - 5		
			Non standard - 6			
		* The No O-ring option is for non-valve meters only				



## **ALARM OPTIONS:**

# **Inductive Slot Sensor**

The alarm mechanism in this flowmeter is an inductive slot sensor. It is a 2-wire, DC, low current device. It is designed to be used with a switch isolator/barrier.

Note: We can supply switch isolator/barriers upon request. User must provide power supply voltage.