



AW FLOW METERS

## SRZ Series Helical Gear Flow Meter



### Technical Specifications:

- Flow ranges 0.003 to 105 GPM
- Turn down ratio of over 1:100
- Pressure rating up to 6000 PSI
- Great for highly filled & abrasive fluids
- 5 Flow ranges available
- 303/316 stainless steel construction
- Lower pressure loss
- High resolution

### **What is a SRZ Helical Gear Flow Meter?**

The SRZ series represents a helical gear flow meter that is constructed of two highly accurate cycloid shaped screw spindles that mesh and rotate inside the cylindrical housing with two overlapping holes in the form of a figure 8, which forms the measuring chamber. The medium flows in an axial direction rotating the spindles without pulsation.

The SRZ helical gear flow meter is highly accurate with wider measuring ranges, and is largely independent of your fluid viscosity. The lower pressure drop compared with other flow metering types makes this meter perfect for measuring polyurethanes and polymer, glues and sealing materials and heavy fuel oils.



# AW FLOW METERS

## SRZ Series

### Helical Gear Flow Meter



#### Meter Technical Data

##### Materials of Construction:

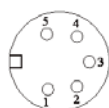
**Body:** 303 SS or 316 SS  
**O-Ring:** Teflon / Viton Optional  
**Accuracy:**  $\pm 0.5\%$  of actual reading  
**Repeatability:**  $\pm 0.1\%$   
**Temperature:** 150° C / 300° F (higher temperature meters available upon request)  
**\*\*Porting:** BSPP, NPT adapters available

Meter Type	Range Gal/Min	Impulse/Gallon	Dia (in)	Length (in)	Port size BSPP	Wt (lbs)	Pressure Rating (PSI)
SRZ-10	0.003 to 1	62,500	2.3	4.0	1/4"	5.0	6,000
SRZ-20	0.01 to 4	34,500	3.0	4.9	1/2"	9.0	6,000
SRZ-40	0.1 to 11	13,300	3.4	6.1	3/4"	14.0	6,000
SRZ-100	0.25 to 26	3,230	4.4	8.7	1"	32.0	6,000
SRZ-400	1 to 105	810	5.25	12.5	1-1/2"	70.0	6,000

Products may be subject to change without notice – Contact factory for current information

Model	Works with	Sensor Features
VTER/P	SRZ-10, SRZ-20, SRZ-40	Frequency output - 5-pin screw on connector
VTEK/P	SRZ-100, SRZ-400	Frequency output - 5-pin screw on connector

#### Pin Connections



5 = E } OC  
 4 = C }  
 3 = 0V (gnd)  
 2 = OUT (signal)  
 1 = +Ub (supply)

#### VTER/P or VTEK/P



#### Mounting Holes - available only on the SRZ-40 shown

