



# TS10C, 1"

## Stainless Steel, Mechanical

- Only two moving parts
- No metal to metal contact in chamber or bearings
- Patented 'Wave Form' oval gear design
- Low differential pressure for maximum flow



**TS10AV03A**  
Ready for mechanical register

### Specifications

- **Nominal Capacity with standard LV rotors:**

To 1500 SSU visc. :	<b>40 GPM</b>	} <i>NTEP</i> 5:1 turn-down <i>Industrial to 30:1 turn-down</i>
To 300 cP viscosity :	<b>150 lpm</b>	
To 300 cP viscosity :	<b>9 m<sup>3</sup>/h</b>	
- **Pressure Rating** : 150 PSI at 100°F = 10 BAR at 40°C  
*with 3:1 Safety Factor*
- **Temperature Rating** : -40°F to +180°F = -40°C to +80°C
- **Viscosity**
  - LV & HT rotors: 100% capacity to 1,500 SSU (300 cP).
  - HV rotors : 100% capacity to 5,000 SSU (1000 cP),  
reduced capacity to 1,500,000 SSU (350,000 cP).
- **1" Connections** Bolted companion flanges with NPT or BSP port.  
Optional : Bolted welding flanges, stainless steel  
Bolted 150# RF ANSI adaptors, stainless steel
- **Materials** **100% non-ferrous**
  - Case : CF8M (cast equivalent to 316SS)
  - Gears : PPS with carbon bearings, Teflon™ bearings opt.
  - Posts : HC316SS
  - Seals : Teflon™ standard.
  - Flanges : CF8M (cast equivalent to 316SS)
- **Pulser** None  
Optional : 10:1 dry reed on mechanical register  
100:1 solid state on mechanical register.
- **Pulse Resolution**

	<u>10:1</u>	<u>100:1</u>
1/10 gallon register	10 PPG	100 PPG
1/10 liter register	10 PPL	100 PPL

### Meter Performance

- **Linearity** Over 5:1 turn-down from max. capacity: ±0.175%  
Over 10:1 turn-down from max. capacity: ±0.25%  
Over 30:1 turn-down from max. capacity: ±0.5%
- **Repeatability** 0.05% or better under constant conditions
- **Approvals** Custody Transfer approvals are liquid specific.  
W&M approval in the US.
- **Flow Meter** CE mark.

### Registration & Accessories

- **Registration options:**
  - Register : #7887 standard (5 digit reset & 8 digit totalizer)  
#7886 optional (6 digit reset & 8 digit totalizer).
  - Calibration : 1/10 gallon standard,  
1/10 liter optional.
- **Accessories**
  - Inlet strainer for flow meter protection
  - Separate air eliminator head for installation on inverted 'Tee'.

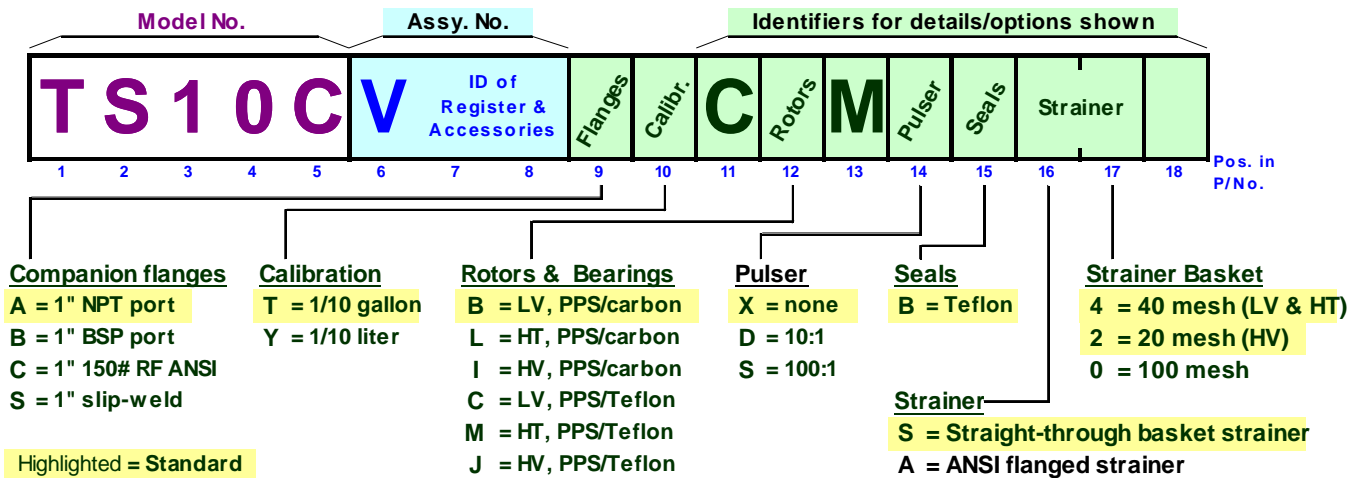


ISO 9001:2000 Certified



Part No.

The **Part No.** extends past Pos. 10 only if non-standard selections are made (rotors, pulser, seals, high capacity strainer or strainer basket mesh size).



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