



# TS30A, 3"

## 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

### TS30A

With mechanical register

#### Specifications

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

To 1500 SSU visc. :	<b>200 GPM</b>	} NTEP 5:1 turn-down OIML 10:1 turn-down Industrial to 30:1 turn-down
To 300 cP viscosity :	<b>760 lpm</b>	
To 300 cP viscosity :	<b>45 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 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).
- **Connections** : 3" 150# RF ANSI flanges
- **Materials 100% non-ferrous**
  - Case : Anodized aluminum
  - Gears : PPS with carbon bearings, Teflon™ bearings opt.
  - Posts : HC303SS
  - Seals : Viton™ standard, Teflon™ optional.
  - Flanges : Anodized aluminum standard, carbon steel opt.
- **Pulsar** : 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>
Whole gallon register	1 PPG	10 PPG
Liter register	1 PPL	10 PPL
Dekaliter register	0.1 PPL	1 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, Canada, EU & Australia.
- **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 : Whole gallon standard,  
whole liter or dekaliter optional.
  - Preset Counter: #7889 2-stage shut-off,  
with micro switch kit in X-Prf enclosure.
  - Ticket Printer : #7888 Zero Start standard,  
Accumulative optional
- **Accessories**
  - Inlet strainer for flow meter protection
  - High capacity strainer for high speed diesel truck service
  - Air eliminator mounted on strainer
  - Backpressure valve for enhanced air elimination on trucks
  - Air Check Valve on flow meter outlet side
  - Mechanical preset valve

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ISO 9001:2000 Certified

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