

# TS30A, 3"

## Anodized Aluminum, 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

### 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 & 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).
- **3" Connections** Bolted companion flanges with NPT or BSP port.  
Optional : Bolted welding flanges, anodized aluminum  
Bolted welding flanges, carbon steel  
Bolted 150# RF ANSI adaptors, carbon steel
- **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.
- **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>
Whole gallon register	1 PPG	10 PPG
Liter register	1 PPL	10 PPL
Dekaliter register	0.1 PPL	1 PPL



### TS30AV30AL

Mechanical Register & Preset Counter/Linkage/Valve, standard Strainer, Air Eliminator & Air Check Valve

### 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

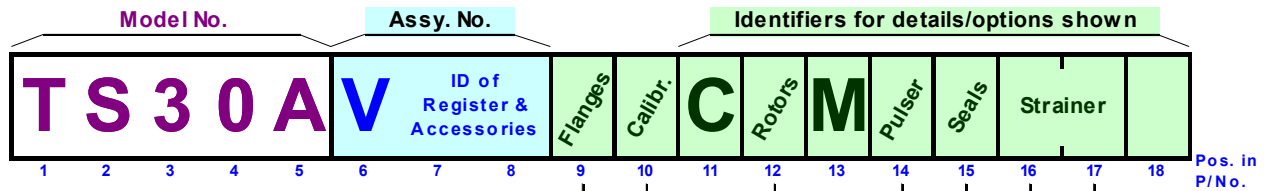
- **Registration options:**
  - Register : #7887 standard (5 digit reset & 8 digit totalizer)  
#7886 optional (6 digit reset & 8 digit totalizer).
  - Calibration : Whole gallon standard,  
whole liter or dekaliter optional.
  - Preset Counter: #7889 2-stage shut-off,  
optional micro switch kit in 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



ISO 9001:2000 Certified

TS30A V

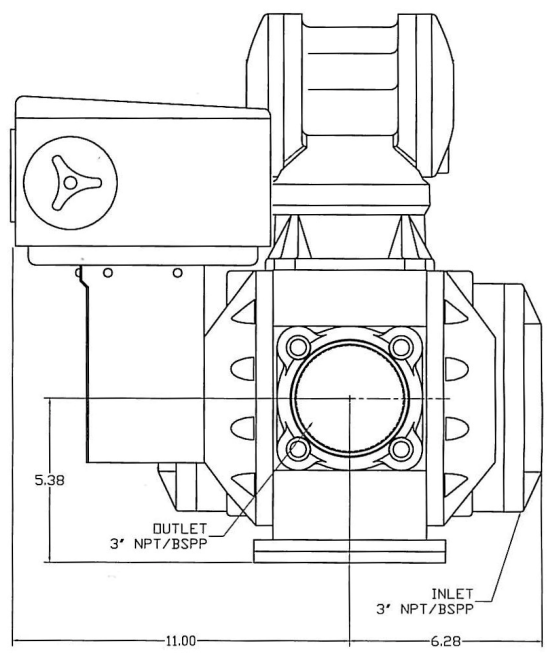
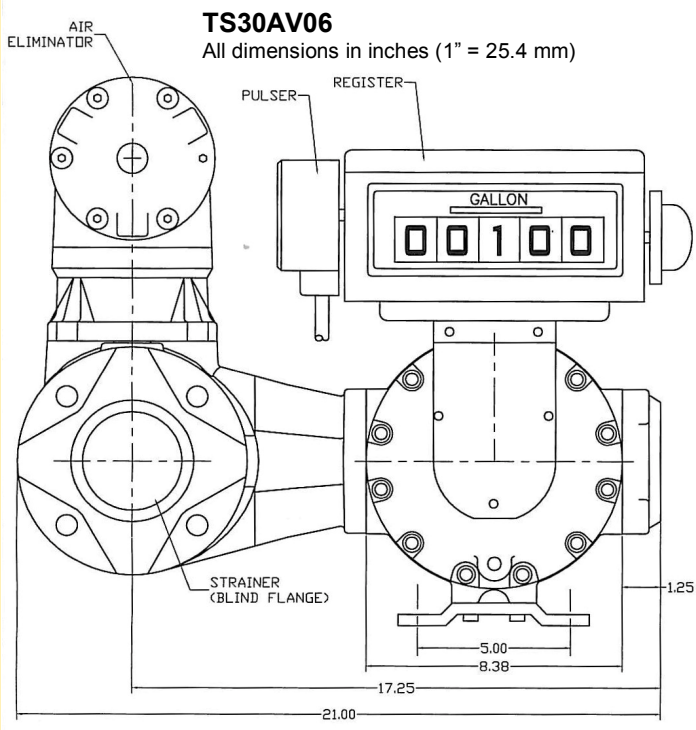
The **Part No.** extends past Pos. 10 only if non-standard selections are made (rotors, pulser, seals, high capacity strainer or strainer basket mesh size).



Pos. in P/No.

- Companion flanges**
  - A** = 3" NPT port
  - B** = 3" BSP port
  - C** = 3" 150# RF ANSI
  - F** = 3" alum slip-weld
  - H** = 3" steel slip-weld
- Calibration**
  - G** = 1/1 gallon
  - L** = liter
  - D** = dekaliter
- Rotors & Bearings**
  - B** = LV, PPS/carbon
  - L** = HT, PPS/carbon
  - I** = HV, PPS/carbon
  - C** = LV, PPS/Teflon
  - M** = HT, PPS/Teflon
  - J** = HV, PPS/Teflon
- Pulser**
  - X** = none
  - D** = 10:1
  - S** = 100:1
- Seals**
  - A** = Viton
  - B** = Teflon
- Strainer Basket**
  - 4** = 40 mesh (LV & HT)
  - 2** = 20 mesh (HV)
  - 8** = 80 mesh
- Strainer**
  - S** = Right-angle strainer
  - H** = High Capacity Strainer

Highlighted = Standard



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