



# TS15C, 1 1/2"

## 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

**TS15CV04ATCBMXX**  
Meter with Mechanical Whole Gallons Register

### Specifications

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

To 1500 SSU visc. :	<b>60 GPM</b>	} <i>NTEP</i> 5:1 turn-down <i>Industrial</i> to 30:1 turn-down
To 300 cP viscosity :	<b>230 lpm</b>	
To 300 cP viscosity :	<b>14 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).
- **1 1/2" 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 : CF8M (cast equivalent to 316SS)
  - Gears : PPS with carbon bearings, Teflon™ bearings opt.
  - Posts : HC316SS
  - Seals : Teflon™ standard.
  - Flanges : CF8M (cast equivalent to 316SS)
- **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>
1/10 gallon register	10 PPG	100 PPG
Liter register	1 PPL	10 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.
- **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,  
whole liter optional.
  - Preset Counter: #7889 2-stage shut-off,  
optional micro switch kit in X-Prf enclosure.
  - Ticket Printer : #7888 Zero Start standard,  
Accumulative optional

**Tuthill Transfer Systems** Phone: 800-634-2695  
8825 Aviation Drive, Fax: 800-866-4861  
Fort Wayne, IN 46809 USA E-mail: fillrite@tuthill.com



ISO 9001:2000 Certified

International offices:	Phone	Fax
Europe, Middle East & Africa - Belgium Office	+32 (10) 22 83 34	+32 (10) 22 83 38
Europe, Middle East & Africa - UK Office	+44 (115) 932-5226	+44 (115) 932-2526
Mexico (North)	+52 (81) 8303-0025	+52 (81) 8303-6334
Mexico (South)/Caribbean/Centr. America	+52 (55) 5370-2626	+52 (55) 5370-0602
South America	+54 (11) 4116-2830	+54 (11) 4116-2835
Australia/Pacific Rim	+61 (3) 9726-2900	+61 (3) 9725-2663
China	+86 (21) 6917-1999	+86 (21) 6917-2162

