



Precision Meter Data

TS15CV

Mechanical Flow Meters

MODELS: TS15CV03, TS15CV04, TS15CV06, TS15CV07, TS15CV09, TS15CV11, TS15CV13, TS15CV17,

TS series oval gear positive displacement precision meters offer weights and measures accuracy for fluid custody transfer. The patented "Wave Form" oval gear design provides smooth and accurate operation in the meters only two parts. This package matches a TS10 or TS15 precision meter to a register. Refer to Precision Meter Technical Manual or Precision Meter Price book for complete list of options.



TS15CV04

Specifications

Capacity with standard LV rotors

Standard 5:1 Turn-down **Industrial** 30:1 Turn-down

To 1500 SSU visc. (300cP) | 60 gpm (230 lpm)

Pressure Rating

Meter | 150 PSI at 100°F = 10 BAR at 40°C

Temperature Rating

Meter | -15°F to +180°F = -26°C to +80°C
MID Approval | -13°F to +131°F = -25°C to +55°C

Viscosity

With LV rotors | 100% capacity to 1,500 SSU (300 cP)
With HV rotors | 100% capacity to 5,000 SSU (1000 cP)

Connections

Standard | 1½ Bolted companion flanges with NPT or BSP port.
Optional | Bolted welding flanges
Bolted 150# RF ANSI adaptors, carbon steel

Materials

Case | Anodized aluminum
Gears | PPS with carbon bearings, PTFE bearings option
Posts | Hard chromed Stainless steel
Seals | Viton™ standard, PTFE optional.
Flanges | Anodized aluminum std.

Pulsar

None
Optional | 10:1 dry reed on mechanical register
100:1 solid state on mechanical register

Pulse Resolution

	10:1	100:1
1/10 gallon register	10 Pulses Per Gallon	10 Pulses Per Gallon
1/10 liter register	10 Pulses Per Liter	10 Pulses Per Liter

Measurement Approvals

NTEP	99-210
MID	GB-1366
Measurement Canada	AV-2360

Safety Approvals

CE, ATEX	Meter Only
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Registration, Signals and Accessories

Mechanical Registers

Register	#7887 standard (5 digit reset & 8 digit totalizer) #7886 standard (5 digit reset & 8 digit totalizer)
Register Volume	1/10 gallon or 1/10 liter standard 1/10 gallon or whole liter optional
Preset Counter	#7889 2-stage shut-off, optional micro switch kit in X-Prf enclosure
Ticket Printer	#7888 Zero Start stander, accumulative optional

Accessories

Inlet strainer for flow meter protection, air eliminator mounted on strainer, backpressure valve for enhanced air elimination on trucks, air check valve on flow meter outlet side, mechanical preset valve and electronic preset and system.

Model Number Specifications

TS								
15								
C	Material	C 316 Stainless Steel						
Assembly Number								
Flange	A NPT B BSP C 150# ANSI Adaptors							
Register Calibration			Mechanical Register					
Pressure Rating	C 150 PSI (10 BAR)		T 1/10 US gallons U 1/10 IMP gallons G 1/1 US gallons I 1/1 IMP gallons Y 1/10 liter L 1/1 liter					
Rotor & Bearing			Type Mat'l Bearing					
Drive			B LV PPS Carbon I HV PPS Carbon C LV PPS PTFE J HV PPS PTFE					
Pulser	X none D 10:1 dry reed S 100:1 solid state		M Mechanical					
Seals			A Viton™ (std. in Anodized Aluminum Models) B PTFE (std. in SS, opt in AA)					
Strainer	S Tuthill 90° Strainer H Tuthill High Capacity							
Basket Mesh	4 40 Mesh Basket (std. with LV & HT rotors) 2 20 Mesh Basket (std. with HV rotors)							

V03		Meter Only - No Register (Register Ready), Calibrator, RAD Adaptor, No Ratio Gear Plate (Distributor to Add)
V04		Meter Only - Calibrator, RAD Adaptor, Ratio Gear Plate & Register
V05		V04 + Strainer
V06		Calibrator, RAD Adaptor, Ratio Gear Plate, Register, Strainer & Air Eliminator
V07		V04 + Zero Start Ticket Printer
V09		V06 + Zero Start Ticket Printer
V11		V04 + 2-Stage Preset Counter & Preset Valve
V13		V06 + 2-Stage Preset Counter & Preset Valve
V17		V06 + 2-Stage Preset Counter, Preset Valve & Zero Start Ticket Printer

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