

TS-201  
Rev. 0-02-06-19  
Petroleum Tank Truck Flowmeters  
1¼" Type 4  
1½" Type 4



## neptune<sup>®</sup> TYPE 4 FLOWMETERS 1¼" and 1½"



1½" Type 4 With 832 Register  
Right Hand Assembly (Std.)



1¼" Type 4 With 834 Register  
Right Hand Assembly

### Introduction

Actaris Neptune's 1¼" and 1½" Type 4 compact flowmeters are superb instruments for small and medium capacity tank truck metering. These flowmeters are completely self-contained and come with strainer, air release valve and back pressure valve. Because they are compact, they save valuable payload space and weight.

### Specifications

#### Flow Rate

1¼" Flowmeter: 5 to 30 gpm (19 to 114 lpm).  
1½" Flowmeter: 12 to 60 gpm (45 to 227 lpm).

#### Temperature

140°F (60°C) maximum.

#### Operating Pressure

125 psi (9 bar) maximum.

#### Units of Measure

Calibration is in U.S. gallons, but Imperial gallons and litres can be provided on order where mechanism permits.

#### Direction of Flow

1¼" Flowmeter: Flanged. Flowmeter furnished with companion flanges tapped for 1½" standard pipe.

1½" Flowmeter: Flowmeter furnished with companion inlet flange tapped for 1½" standard pipe. Auto-Stop Model valve outlet tapped for 2" standard pipe; Non-Auto-Stop Models furnished with companion outlet flange tapped for 1½" standard pipe.

#### Reset Setting Capacity

9,999.9 gallons on Direct Reading Registers.

#### Preset Setting Capacity

9,999.9 gallons on Models 832 (842) and 834 (844).

#### Printing Wheel Capacity

9,999.9 gallons on Models 833 (843) and 834 (844).

#### Totalizer Capacity

99,999,999 gallons.

#### Materials

Housing — Aluminum  
Measuring Chamber — Bronze  
Piston — Aluminum  
Dynamic Seals — Fluorocarbon  
Static Seals — Nitrile

#### Accessories

None required. Strainer, air release and back pressure valve are assembled with the flowmeter.

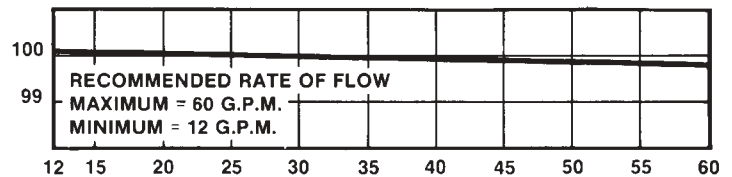
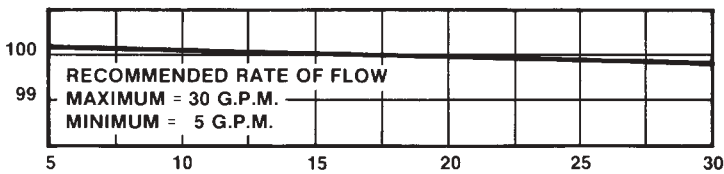
1¼-INCH					TYPE 4 FLOWMETER	1½-INCH						
Part Number	Weight Lbs. (Kgs.)	Dimensions — Inches				Register Model No.	Type of Register	Part Number	Weight Lbs. (Kgs.)	Dimensions — Inches		
		Length	Width	Height					Length	Width	Height	
RP125114RGGS	65 (29)	20 <sup>3</sup> / <sub>8</sub> (51 <sup>3</sup> / <sub>4</sub> )	10 (25 <sup>3</sup> / <sub>8</sub> )	15 <sup>1</sup> / <sub>8</sub> (38 <sup>3</sup> / <sub>8</sub> )	834 (844)	Direct Reading Reset Counter with Single-Trip Preset "Zero-Start" Printer and Totalizer	RP150114RGGS	70 (32)	22 <sup>1</sup> / <sub>8</sub> (56 <sup>3</sup> / <sub>16</sub> )	10 (25 <sup>3</sup> / <sub>8</sub> )	15 <sup>3</sup> / <sub>4</sub> (40)	834 (844)
RP125114RGBS	61 (28)	20 <sup>3</sup> / <sub>8</sub> (51 <sup>3</sup> / <sub>4</sub> )	10 (25 <sup>3</sup> / <sub>8</sub> )	15 <sup>1</sup> / <sub>8</sub> (38 <sup>3</sup> / <sub>8</sub> )	832 (842)	Direct Reading Reset Counter with Single-Trip Preset and Totalizer	RP150114RGBS	66 (30)	22 <sup>1</sup> / <sub>8</sub> (56 <sup>3</sup> / <sub>16</sub> )	10 (25 <sup>3</sup> / <sub>8</sub> )	15 <sup>3</sup> / <sub>4</sub> (40)	832 (842)
RP125114RGDO	47 (21)	15 <sup>1</sup> / <sub>2</sub> (39 <sup>3</sup> / <sub>8</sub> )	8 <sup>7</sup> / <sub>8</sub> (27 <sup>5</sup> / <sub>8</sub> )	15 <sup>1</sup> / <sub>8</sub> (38 <sup>3</sup> / <sub>8</sub> )	833 (843)	Direct Reading Reset Counter with "Zero-Start" Printer and Totalizer	RP150114RGDO	50 (23)	15 <sup>1</sup> / <sub>2</sub> (39 <sup>3</sup> / <sub>8</sub> )	8 <sup>7</sup> / <sub>8</sub> (27 <sup>5</sup> / <sub>8</sub> )	15 <sup>3</sup> / <sub>4</sub> (40)	833 (843)
RP125114RGA0	43 (20)	15 <sup>1</sup> / <sub>2</sub> (39 <sup>3</sup> / <sub>8</sub> )	8 <sup>7</sup> / <sub>8</sub> (27 <sup>5</sup> / <sub>8</sub> )	15 <sup>1</sup> / <sub>8</sub> (38 <sup>3</sup> / <sub>8</sub> )	831 (841)	Direct Reading Reset Counter and Totalizer	RP150114RGA0	46 (21)	15 <sup>1</sup> / <sub>2</sub> (39 <sup>3</sup> / <sub>8</sub> )	8 <sup>7</sup> / <sub>8</sub> (27 <sup>5</sup> / <sub>8</sub> )	15 <sup>3</sup> / <sub>4</sub> (40)	831 (841)

## ACCURACY CURVE

1¼

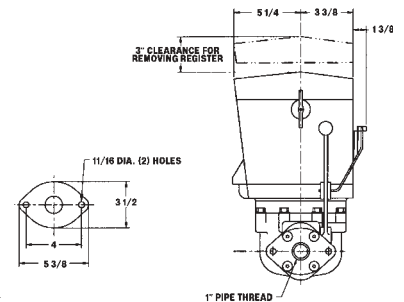
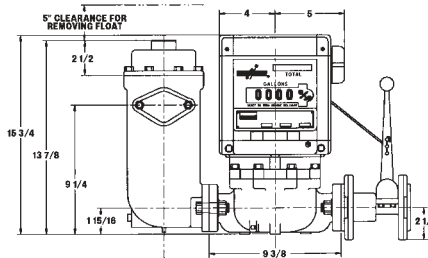
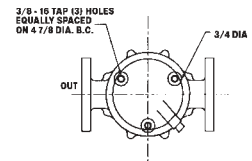
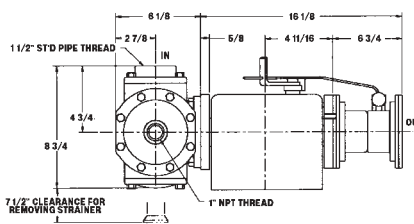
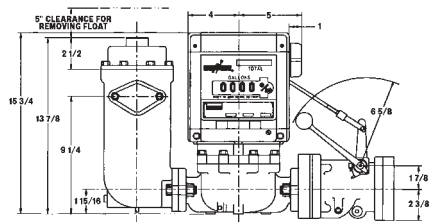
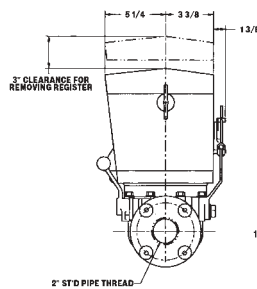
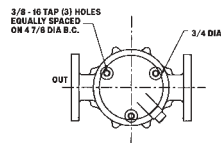
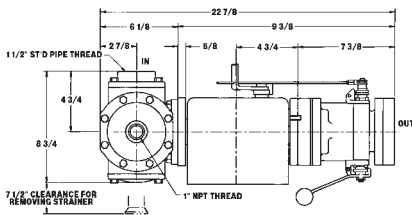
PERCENT REGISTERED

1½



RATE OF FLOW IN UNITED STATES GALLONS PER MINUTE

## DIMENSIONS (Inches)



### U.S.A./International:

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Specifications subject to change without prior notification.

