



neptune
TYPE 4
3" FLOWMETER



3" Type 4 with 800 Series Register.

DESCRIPTION

Red Seal 3" Compact flowmeters are superb instruments for metering petroleum products from large tank trucks where head loss must be kept to a minimum. This flowmeter comes complete with an air release valve, strainer, and Type 4 Auto-Stop valve. For pump operated systems where pressures exceed 50 psi, the 2" Type 1A valve is used. The basket type strainer can be removed from the top and cleaned quickly and easily without spilling product.

Non-Auto-Stop valve models with Model 831 and 833 registers are also available and are supplied with a gooseneck outlet connection to prevent draining the flowmeter. To fit many piping arrangements, the inlet can be changed from left to right and the Auto-Stop or gooseneck can face several positions for each inlet setting. This adaptability saves piping, creates a neater arrangement, and is idea for dual metering.

FLOW RATE*

30 to 150 gpm (114 to 568 lpm) NCWM
30 to 150 gpm (113 to 569 lpm) Measurement Canada

TEMPERATURE

140°F (60°C) maximum.

OPERATING PRESSURE

125psi (8.62 bar) maximum.

DIRECTION OF FLOW

Standard Assembly has inlet at left, outlet to right. By repositioning the outlet valve or elbow adapter, by

interchanging the outlet cap to reverse the air release, and by interchanging the air release and outlet valve, a large number of combinations are possible.

CONNECTIONS

Inlet-flanged. Furnished with companion flange tapped for 3" standard pipe. Outlet - 3" female pipe for gooseneck or 2" Ansi flange for auto stop valve.

UNITS OF MEASURE

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

RESET WHEEL CAPACITY

9,999.9 gallons on Direct Reading Registers.

PRESET SEATING 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 - standard.

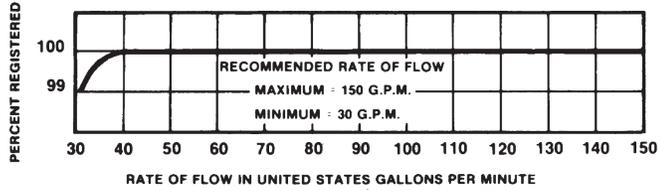
MATERIALS

Casing - heat treated aluminum.
Interior mechanism - corrosion-resistant metals.

ACCESSORIES

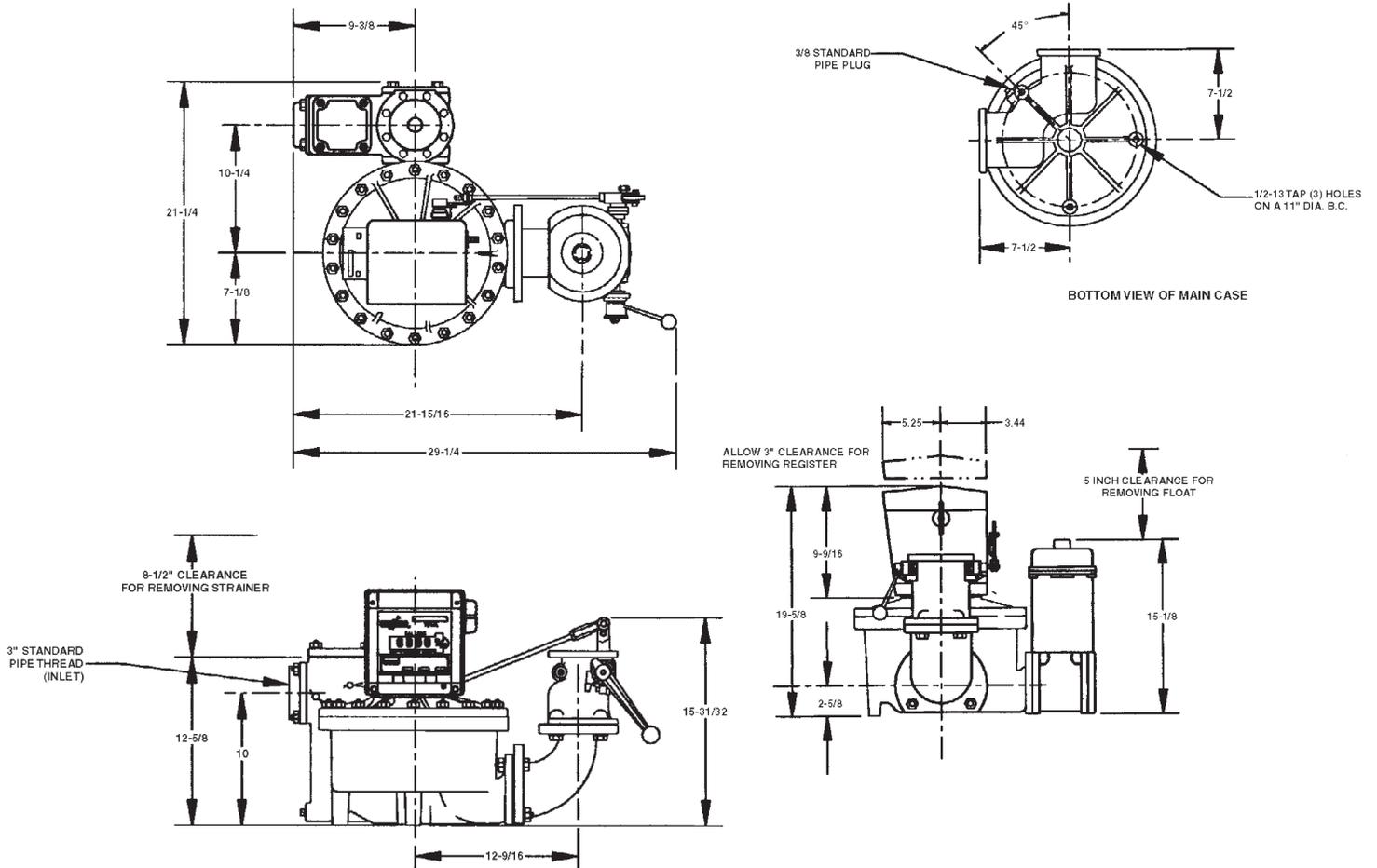
None required. Strainer and air release are assembled with the flowmeter. Valve and pulser available.

ACCURACY CURVE



Part	Register Model Number	Type of Register	Weight Lbs. (Kgs.)
RP3114RGOH2	834	Direct Reading Counter with Double-Trip	138 (63)
RP3114RLOW2	(844)	Preset "Zero-Start" Printer and Totalizer	(63)
RP3114RGOC2	832	Direct Reading Reset Counter with Double-Trip	134 (61)
RP3114RLOM2	(842)	Printer and Totalizer	(61)
RP3114RGOD0	833	Direct Reading Reset Counter with "Zero-Start" Printer and Totalizer	124 (56)
RP3114RLOA0	(843)	Printer and Totalizer	(56)
RP3114RGOA0	831	Direct Reading Reset Counter and Totalizer	120 (54)
RP3114RLOL0	(841)	Printer and Totalizer	(54)

DIMENSIONS (Inches)



*Never run PD meters at maximum flow rate for extended periods of time as this can promote premature wear. Also consider running heavier (higher-viscosity) products at lower flow rates to allow for separation of entrapped air.

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