

V R VEEDER-ROOT PETROLEUM PRODUCTS

7892 METER REGISTER, PRINTER AND PRESET

MODERN DESIGN . . . For

✓ Greater Reliability

✓ Higher Speed

. . . In Fluid Flow Control
Applications of All Kinds



A COMPLETE COUNT, CONTROL AND PRINTING SYSTEM FOR FLUID FLOW DELIVERIES AND TRANSACTIONS

- Fully automatic precision preset control. Shuts off when predetermined quantity is delivered.
- Field adjustable two-stage control knockoff. Final knockoff trims to precise zero for extra accuracy in any application.
- All delivery data permanently recorded on tamper-proof tickets and carbon packs.
- Single handle resets both printer and register. Control number can be easily preset with only one hand.
- Latest technology, modern materials give maximum dependability at speeds to 250 rpm of the right wheel.
- Built-in precision totalizer accumulates up to 99,999,999 gallons.

DESCRIPTION

Meter Register, Printer and Preset combine to control, display and print detailed records of high speed fluid deliveries and transactions. Ideal for increased efficiency in all kinds of liquid inventory monitoring and control installations.

The Preset is a manually programmable two-stage product quantity control. It has a positive, nontopping vernier clutch and a positive acting Stop button. After a desired quantity is preset, it counts down to the first knockoff where delivery is slowed. At the second or final knockoff, the preset actuates a valve to stop delivery.

The first stage can be adjusted in the field to actuate at 3, 4, 5, 6, 7, 8, or 9 counts prior to the final knockoff at zero. It can also be set to actuate at 10, 20, 30, 40, 50, 60, 70, 80, or 90. An eight-position ring type knockoff is standard. Optional electrical knockoff has two positions and one to four single pole, double throw switches.

The Preset consists of five figure wheels driven by a shaft that passes through the unit to drive the Register and Printer above. It includes three interlocks: entry via the set button, set button remains latched until the valve opens, and the entry is blocked when the valve is open.

The Printer accepts standard 4-7/8" by 7-3/4" (123.8 x 196.9 mm) carbon packs and receipt tickets. Ticket is tamper-proof, staked inside the printer until all data has been completely printed.

Two Printer models are available: Accumulative and Zero Start. The Accumulative Printer, before delivery, prints the total remaining from the previous delivery. After delivery, the total accumulated at that point is printed. The amount just delivered is found by subtracting the previous total from the accumulated total. Zero Start model first prints zeros. The total printed after delivery is the actual amount of the transaction. No arithmetic needed.

Finished in corrosion resistant epoxy for long life, the sturdy diecast housing comes with magnetic self-closing

cover for all-weather protection of the ticket. Positive impact printing offers clean, sharp originals and completely legible carbons.

The Preset base mounts in all locations which normally accept a Veeder-Root Register. The Register and Printer fit the top of the Preset housing.

APPLICATIONS

Series 7892 Meter Register, Printer and Preset combination provides inventory control records, bills of lading, receipts of invoices, accounting records, and data processing information in a wide variety of industries. In the petroleum refining and distribution field, it is used to control fluid flow from the well to pipelines and storage centers, then to gasoline and fuel oil delivery trucks. In the chemical processing field, it can be used not only for inventory and shipping, but for recording as well.

GENERAL SPECIFICATIONS

Specifications listed are standard unless otherwise noted. Optional features are available at additional cost.

Speed: 250 rpm of right Register wheel.

Drive Torque: During counting, average running torque at room temperature with a 1:1 ratio gear plate is 10 oz-in. (7.1 N-cm). During display wheel transfer from all 9's to all 0's, the torque may reach 16 oz-in. (11.3 N-cm). During Preset knockoff - with a maximum valve load of 60 pounds (27.2 kg), a momentary peak of 40 oz-in. (28.2 N-cm) may be experienced during valve shutoff.

Operating Temperature Range: -40° to +71°C (-40° to +160° F).

Style of Figures: Veeder-Root/Cornell for optimum readability of all primary displays.

Mounting: Eight 1/4 x 28 tapped holes with steel inserts on 6-5/8" (168.3 mm) diameter. Special adaptors are available to convert nearly all meters to accept this control, print and register system.

