



## Meter Mix Dispense

### | SYRINGE DISPENSER |



SINGLE COMPONENT  
DISPENSING



The Syringe Dispenser from Fluid Research (FRC) is a positive displacement, syringe emptying system that can dispense a customer's own syringe or a variety of standar syringe sizes. This unit is far superior to time pressure systems and will dispense consistently throughout the entire syringe volume. Even the smallest of shot sizes can be accomedated by this unique machine.

The Syringe Dispenser can dispense almost any type of material regardless of hanging material properties. These exceptionally reliable units feature both timed and continuous flow user-defined programs and dispensing unique shot sizes and rates is as easy as a few keystokes.

#### **Syringe Dispenser Components & Integration**

The Syringe Dispenser is supplied with a handheld dispensing wand, a tabletop control unit and all associated cabling and hardware. The wand contains a linear drive and is available with a standard 6061 aluminum body construction with o-ring seals or with an optional food-grade 316 stainless steel casing. An optional tabletop stand for dispensing wand is available.



*Syringe Dispensing Wand*

## Accurate Dispensing Throughout Entire Syringe Volume

System calibration is simple and fast and uses little material. Just take a few dispense shots, weigh, and input these numbers into the control system and the controller does the rest.

The Syringe Dispenser's control box features a digital HMI, an On/Off button, a "Start" button, "Maching Ready" indicator, and an emergency stop button. The control box also provides simple integration to remote control of the unit.

The Syringe Dispenser can be either a standalone unit or be integrated into a larger system. Using this 7 Bit Digital Interface, you can integrate the Syringe Dispenser into almost any application.



### Standard Features

- Simple, Easy-to-Use Digital Controls
- Extremely Gentle Material Conveyance
- Positive Displacement
- Viscosity Range: <1 cps to 1 million cps
- Program Storage:
  - 15 Timed (specified quantity)
  - 10 Continuous Flow Rate
- Password Protected
- All Associated Cabling and Hardware
- Automation-7 Bit Digital Interface
- Can be adapted to most any size syringe as well as industry standards such as 3cc, 5cc, 10cc, 30cc and 55cc

### Available Options

- Washdown Parts
- Food Grade Stainless Steel
- Tabletop Stand for Vertical Mounting

### About Fluid Research

Fluid Research is a recognized leader in the engineering and manufacturing of meter, mix and dispense equipment for both single and plural component reactive materials including epoxy, polyurethanes, silicones, acrylics, adhesives, paints, pastes, abrasive materials and more.

FRC equipment is used in potting, encapsulation, coating, resin transfer molding (RTM), structural bonding, gasket forming, filter manufacturing, doming and sealing operations, and many other applications. FRC serves a variety of industries including electrical, electronic, medical, aerospace, marine, white goods, leisure, food, communications, automotive, and other markets.

FRC customers range in size from Fortune 500 businesses to small, niche market organizations. FRC specializes in highly customized systems for complex applications but also offers standardized solutions for more common needs.



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