



## SmartValve™ – Needle Valve System

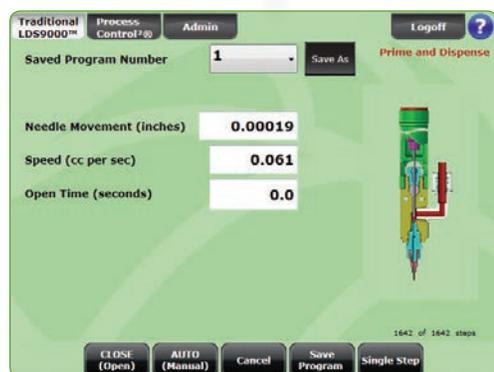
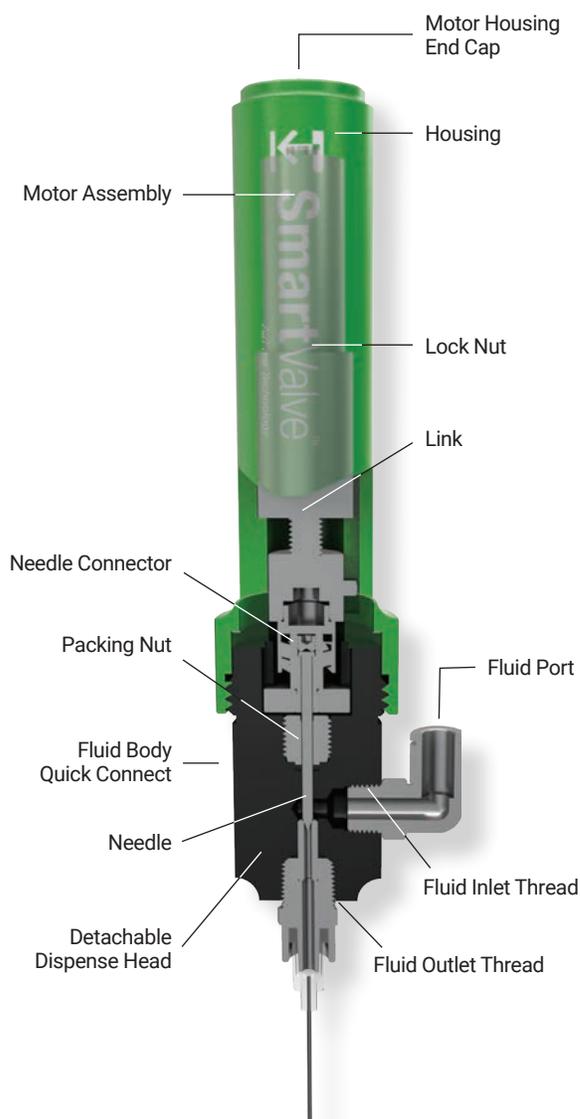
The SmartValve™ – Needle Valve System is a versatile dispensing valve for any application requiring a single-component bead, dot, potting or encapsulation. With its lightweight, compact design, this dispensing valve can be used with equally successful results for both automated and handheld processes. AirFree® Technology provides algorithmic process control allowing for valve control via numeric programming. The valve controller records production data, operator activity and allows bar code scanning to interact with MES production systems.

### Detachable Dispense Head

To help minimize the impact of dispense valves clogging and the resulting need for cleaning, Fishman® Engineers designed a detachable dispense head for quick and easy removal and replacement. It is so simple, it can be done in seconds, helping maximize production throughput.



# SmartValve™ – Needle Valve System



For more information on Fishman's® many innovative fluid dispensing solutions, including the SmartValve™ – Needle Valve System, please contact a sales representative at 800-433-2115.

## Specifications

Dimensions	6.574" X 1" (167mm X 25.44mm)
Weight	7.16oz (203g)
Maximum Fluid Pressure	75PSI (5.17 bar)
Fluid Inlet Thread	.125" NPT Female
Fluid Outlet Thread	.125" NPT Female
Mounting Clamp	8/32 SHCS
Cycle Rates	60 per minute
SmartValve™ Housing	Somos Perform
Fluid Chamber	Delrin®
Tip Adapter	Stainless Steel
Wetted Parts	Delrin®, 303 Stainless
Viscosity Range	Water to Paste

Each SmartValve™ – Needle System includes the SmartValve™, SmartDispenser®, and an assortment of Dispense Tips.

## SmartValve™ – Needle

The SmartValve™ – Needle is ideal for low to high viscosity fluids. The wetted part consists of a 303 Stainless & Delrin fluid body. The volume dispense depends on the needle open distance, needle open time, viscosity, fluid pressure and tip size.

## SmartDispenser® Valve Controller

AirFree® Technology provides algorithmic process control allowing for valve control via numeric programming. The valve controller records production data, operator activity and allows bar code scanning to interact with MES production systems.

- Precise Needle Seating cycle after cycle
- Precision Needle Open Distance
- Precision Needle Open Time
- Precise Fluid Deposit Control
- Activated by 5v signal

## SmartDispenser® Flexible Dispensing Platform


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## SmartValve™ – Needle Valve System Accessories



### SmartValve™ – Needle Valve Kit

**Includes:** SmartValve™ – Needle and Mounting Clamp

### SmartValve™ – Needle Benchtop Integration Kit

**Includes:** SmartValve™ – Needle, SmartDispenser®, SmartDispenser® Accessories and Sample Dispense Tips



### SmartValve™ – Needle 19" Din Rail Integration Kit

**Includes:** SmartValve™ – Needle, SmartDispenser®, 19" Din Rail Mount, SmartDispenser® Accessories and Sample Dispense Tips

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### Reorder Part Numbers

SmartValve™ – Needle Kit	DSNSV41
SmartValve™ – Needle BTIK System	DSPSW41
SmartValve™ – Needle SDIK System	DSSSW41
SmartValve™ – Needle & BTIK Diaphragm Combo Kit	DSRSW41
SmartValve™ – Needle & SDIK Diaphragm Combo Kit	DSUSW41
SmartValve™ – Needle Replacement Head	DSBSV41
SmartValve™ – Diaphragm Replacement Head	DSASV41