

# SmartDispenser™

## SDAV FIBER OPTICS SYSTEM



### SmartDispenser™ Small Dot Any Viscosity

Use this model for encapsulating fiber optic connectors, ideal for a blind fill into the fiber optic connector ferrule.

The SmartDispensers™ patented ProcessControl2™ was designed to provide the highest repeatability, from one dispense to the next, single component adhesive and two component epoxy.

SDAV-FO

Fiber optic and photonic manufacturers it is critical to control precise dispense amounts. That is why major manufacturers use Fishman's state-of-the-art dispensing systems to increase yields.

SmartDispenser™ Fiber Optics delivers all the benefits of the SmartDispenser™ and is designed for dispensing epoxies for bonding glass fiber to ceramic ferrules. The PC2 program, manages two part epoxies, such as 353ND, and other fiber optic assembly fluids so each ferrule is filled without over flow or or air gaps.

Combine with industrial grade Genius™ reservoirs and HiFlow™ dispense tips to achieve precise and repetitive dispense amounts without process adjustments.



### Genius™ HiFlow™ Dispense Tips

Certified silicone-free, industrial grade dispense tips are designed to significantly increase fluid flow rate. The 3/4 in. (19.05mm) is ideal for insertion into cylindrical couplers without impeding fluid flow to the fiber canal. When combined with the repeatability of the SmartDispenser's drive system, the HiFlow design delivers epoxy without overflow or fiber damage, thereby maximizing bond strength and connector life.

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## SDAV-FO Small Dot Any Viscosity Fiber Optics

SYRINGES SIZE	3CC	5CC	10CC
MIN.VOL. (CC)	.00023	.00039	.00065
MAX. VOL. (CC)	3.0	5.0	10.0
MIN. RATE (CC/SEC)	.006	.010	.016
MAX. RATE (CC/SEC)	.138	.238	.392
MAX. BACKOFF (STEPS)	500	500	500
MAX. DELAY (SEC)	9.99	9.99	9.99



The SmartDispenser™ SDAV-FO (3-10cc) comes with 3-10cc Dispense Gun and 3, 5, 10cc Retaining Rings.

SYRINGES SIZE	30CC
MIN.VOL. (CC)	.00129
MAX. VOL. (CC)	30.0
MIN. RATE (CC/SEC)	.032
MAX. RATE (CC/SEC)	.771
MAX. BACKOFF (STEPS)	500
MAX. DELAY (SEC)	9.99



The SmartDispenser™ SDAV-FO (30cc) comes with 30cc Dispense Gun and 30cc Retaining Rings.

## Genius™ Dispensing Components deliver advanced dispensing performance

Fishman's dispensing system components are designed specifically for industrial use, achieving optimized performance from AirFree™ dispensing systems.

### Syringes (available in 5 sizes)

- Thickwall design eliminates flexing
- Precision molded zero degree taper assures smooth flow
- Disposable design eliminates the need to use harmful cleaning agents such as MEK or Acetone often used to clean valve systems.
- Inert polypropylene syringes protect assembly workers from coming in contact with harmful assembly fluids.
- When empty the capped syringe acts as a sealed container making disposal easier and safer.

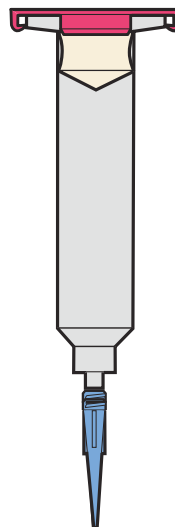
### PosiLok™ Pistons

- AirFree™ positive displacement
- Reinforced nose and increased diameter to withstand fluid pressures associated with positive displacement dispensing.
- Precision engineered and molded to fit precisely with the Fishman syringe

### HiFlow™ Tips (available in 3 styles)

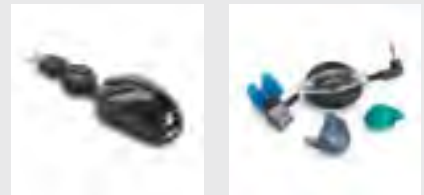
- Ergonomic Surlock™ design locks securely to the barrel with a simple twist
- Positive stop assures overall length of tip does not change from one tip to the next.
- Tubing adhered by both UV adhesive and mechanical bond.

All Genius components are silicone free.



## SMARTDISPENSER™ SDAV-FO 3-30CC DISPENSE STARTER KIT CONTENTS

- Foot Pedal
- Keyboard
- Mouse
- Earphone
- Video Camera
- Cisco Wireless Connectivity Device
- Needle Kit
- Manuals
- Power Supply Connection
- Universal Power Supply



# SmartDispenser™ SDAV FIBER OPTICS SYSTEM



## SPECIFICATIONS

Usage:	Indoor use
Altitude:	Up to 2000m
Temperature:	0° to 40° C
Maximum Relative:	80% for temperatures up to 31° C decreasing linearly to
Humidity:	50% relative humidity at 40° C
Mains Supply	
Voltage Fluctuations:	Not to exceed ±10%
Installation	
Overvoltage:	Category II
Pollution:	Degree 2, Class 1
Input Voltage:	100-240 VAC 47-63Hz
Max Inrush Current:	3.2A-1.8A
Output Voltage:	5.0VDC
Output Power:	4.6W
Fuse Rating:	1.0A/250 VAC
Initiate Circuit:	Foot Pedal (dry contact) finger switch
Drive Motor:	SDAV 3.75 Degree 96 Steps/Rev
Axial Movement:	SDAV .012 Axial Pitch .000125"/Step
Control Circuitry:	CMOS microprocessor
Interface:	Tactile key pad
Minimum Dispense Volume:	0.00023ml

## CONTROL CENTER

Size:	5.6 x 9.9 x 6.3in (14.23 x 25.15 x 16cm)
Weight:	4.7lbs (2.13 kg)

## LDS DISPENSE GUN

Length:	7in (17.8cm)
Weight:	6oz (170.1 gr)
Cable Length:	3in or 3 feet (7.62cm or 91.5cm)