



SmartDispenser™

SDIK™ LDAV LINEAR DRIVE SYSTEM



SmartDispenser™ SDIK™ Large Dot Any Viscosity

Use this model for dispense volumes between .0009 & 30cc., ideal for large dot dispensing, while maintaining repeatability 6 to 10 times greater than pneumatic systems. For use with industrial grade Genius reservoirs and dispense tips.

LDAV

21st Century Dispensing

Everything moves at the speed of light. Product life cycles are shortened. Real time performance data is more important than ever. Get it right the first time or your product is dead! Machines need to network, communicate and provide real time data over the cloud. Remote access and programming provide instantaneous control demanded by today's manufacturers.

What makes the SmartDispenser™ so smart? The combination of 3 powerful platforms.

AIR-FREE MANUFACTURING

- One program – worldwide
- Closed-loop feedback
- 6-10X more repeatable than pneumatics
- Volume base numeric dispensing
- Positive displacement via stepper motor
- Firmware proven for over a decade
- Eliminates expensive air compressor
- Designed to integrate into automation systems using PLC's

WINDOWS 7 NETWORKING

- Global networking
- Remote programming and lock out
- Real time production data
- Live video installation support
- Auto e-mail of unauthorized program changes
- On screen work instruction (audio option)
- Connectivity between SmartDispensers™ Desktop, Laptop and Smartphone.
- Video/Audio training and tutorials

SMARTPHONE FUNCTIONALITY

- Ease of use
- Apps ready

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FISHMAN®
 Dispensing Innovation™

SmartDispenser™ SDIK™ LDAV LINEAR DRIVE SYSTEM

LDAV Large Dot Any Viscosity

SYRINGE SIZE	3CC	5CC	10CC
MIN. VOL. (CC)	.00090	.00158	.00261
MAX. VOL. (CC)	3.0	5.0	10.0
MIN. RATE (CC/SEC)	.023	.040	.065
MAX. RATE (CC/SEC)	.552	.954	1.567
MAX. BACKOFF (STEPS)	500	500	500
MAX. DELAY (SEC)	9.99	9.99	9.99

The SmartDispenser™ SDIK™ LDAV (3-10cc) comes with 3-10cc Push-To-Connect™ Dispense Gun and 3, 5, 10cc Retaining Rings.

SYRINGE SIZE	30CC
MIN. VOL. (CC)	.00514
MAX. VOL. (CC)	30.0
MIN. RATE (CC/SEC)	.129
MAX. RATE (CC/SEC)	3.086
MAX. BACKOFF (STEPS)	500
MAX. DELAY (SEC)	9.99

The SmartDispenser™ SDIK™ LDAV (30cc) comes with 30cc Push-To-Connect™ Dispense Gun and 30cc Retaining Rings.



LDAV SMARTDISPENSER™ SDIK™ APPLICATIONS

Thick pastes	*
Thin watery fluids	*
Thin cyanoacrylates	•
Solder paste	*
Pre-mixed and frozen	*
Microdots	*
Bonding and gluing	*
Potting and filling	+
Beading and stripping	*

* Recommended • Satisfactory + Do not use

SMARTDISPENSER™ SDIK™ LDAV 3-30CC DISPENSE STARTER KIT CONTENTS

- Finger Switch
- USB Extension Cable
- Push-To-Connect Gun
- Video Camera
- Cisco Wireless Connectivity Device
- Needle Kit
- Manuals
- Power Supply Connection
- Universal Power Supply

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.

Barrel Reservoirs (available in 4 sizes)

- Thickwall design eliminates flexing
- Precision molded zero degree taper assures smooth flow
- Disposable design eliminates need for cleaning PosiLok™ Pistons
- Enclosed chambers protect workforce from contacting assembly fluid.

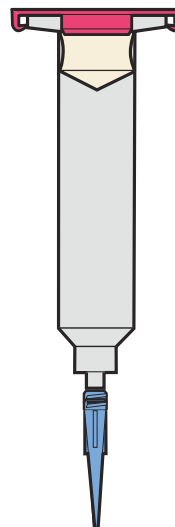
PosiLok™ Pistons

- AirFree™ design featuring patented positive lock piston attachment for positive displacement dispensing
- Precision molded for smooth flow and uniform advance
- Engineered to allow trapped air to escape while sealing in vapors and fluid.

Dispensing Tips

- Ergonomic Surlok™ design locks securely to the barrel with a simple twist
- Multiple sizes and lengths available to satisfy any dispensing application

Fishman Corporation manufactures in a Certified Silicone Free environment, achieving close tolerance precision in an industrial grade system. Contact our Fluid Dispensing specialists to take advantage of our experience with thousands of successful applications and to pick the right components for your specific application needs. For free samples, go to www.fishmancorp.com/samples.



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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:	Finger switch
Drive Motor:	LDAV 7.5 Degree 48 Steps/Rev
Axial Movement:	LDAV .024 Axial Pitch .0005"/Step
Control Circuitry:	CMOS microprocessor
Interface:	PLC or Networked
Minimum Dispense Volume:	0.00090ml

CONTROL UNIT

Size:	2.95 x 7.85 x 4.94in (7.5 x 20 x 12.6cm)
Weight:	3lbs (1.36kg)

GUN

Length:	7in (17.8cm)
Weight:	5.6oz (159gr)
Cable Length:	30 Feet Detachable (9.144m)