# DualDrive™
AirFree® Technology

## SmartDispenser® — Two Component Cartridge System

# AlgorithmicControl™
AirFree® Technology

## For Two Component Cartridges

The SmartDispenser® DualDrive™ System with AirFree® Technology provides programmable process control for applications requiring two component fluid dispensing.

Designed for use with any 37ml, 50ml or 75ml two-component cartridge with 1:1 and 2:1 fluid mix ratios, the DualDrive™ System replaces unreliable "by-eye" dispensing with dependable numeric programming. This assures that fluid deposits are delivered with the highest degree of precision and repeatability.

## Performance, Efficiency and Savings

There isn't a two component dispensing system available that comes close to matching the repeatability of the DualDrive™ System. What's more, its exceptional level of performance increases throughput and overall efficiency, and eliminates scrap and rework. All of which enable manufacturers to save more money and make more profit in a 12 month period than by using any other two component dispensing system.

# FISHMAN®
Dispensing Innovation®

# DualDrive™
AirFree® Technology

# SmartDispenser® — Two Component Cartridge System



## AirFree® Technology

**SmartDispenser®
Starter Kit Includes—**

- Keyboard
- Mouse
- Earphone
- Video Camera
- Cisco Wireless Connectivity Device
- Manuals
- Power Supply Connection
- Universe Power Supply

AirFree® Technology lets manufacturers gain total control of their processes because it allows for the application of algorithmic directives. This makes numeric programming possible, ensuring precise dispense gun control. Algorithmic control also permits the SmartDispenser® controller to record production data and operator activity, and users to perform error-free bar code scanning that can interact with MES production systems.

- Numerical Fluid Volume Input
- Numerical Speed Input

### Two Component Cartridge Timer SmartApp™

- Stops the operator from activating the DualDrive™ dispense gun after epoxy has had time to cure in the mixer

The Two Component Cartridge Timer SmartApp™ allows the dispense time to be set in seconds, minutes or hours. The time set should be based on the life of the epoxy being used. The timer is automatically activated when the SmartDispenser® DualDrive™ System delivers the first fluid deposit.

### SmartDispenser® Flexible Dispensing Platform

SmartApp™
AirFree® Technology
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SmartNetworking™
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▶ Watch Video

SmartScanning™
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SmartReporting™
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SmartRecycling™
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SmartValve™
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# FISHMAN®
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Fishman Corporation  192 South Street, Hopkinton, MA  01748, United States
US & Canada: 800.433.2115  |  Worldwide: 1.508.435.2115  |  www.fishmancorp.com

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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 |
| Main 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: | 3.0A |
| Output Voltage: | 5.0VDC |
| Output Power: | 4.6W |
| Initiate Circuit: | Finger Switch |
| Drive Motor: | SDAV-HT 1.8 Degree 200 Steps/Rev |
| Axial Movement: | SDAV-HT .024 Axial Pitch .00012"/ Steps |
| Control Circuitry: | CMOS microprocessor |
| Interface: | Touch Screen or Keyboard/Mouse |
| Minimum Dispense Volume: | 0.00174ml |

## Control Unit

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

## Gun

| | |
|---|---|
| Length: | 9.5in (24.13cm) |
| Weight: | 18.8oz (533gr) |
| Cable Length: | 5.5 feet (167.64cm) |

## SmartDispenser® Two Component System

| Barrel Size | 37 ML | 50 ML | 75 ML |
|---|---|---|---|
| Min. Vol. (ML) | .00125 | .00174 | .00174 |
| Max. Vol. (ML) | 37 | 50 | 75 |
| Min. Rate (ML/SEC) | .032 | .043 | .043 |
| Max. Rate (ML/SEC) | .768 | 1.043 | 1.043 |

### Reorder Part Numbers

| | |
|---|---|
| 37ML, 50ML or 75ML 1:1 and 2:1 Ratio | D74CR41 |

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