

# SELECT DOSER<sup>TM</sup> 640

## Where Simplicity and Power Meet Your Water Control System

The SelectDoser 640™ is a proportional additive pump for agricultural and industrial operations, accurately dispensing vaccines, medications, vitamins, sanitizers, and other solutions into low pressure watering systems. With a powerful motor and computer-controlled pump, the SelectDoser 640 offers simple, reliable performance with each use.

Through peristaltic action, the SelectDoser 640 yields precise water-to-product ratios with over 95 percent accuracy. The unit has a display screen allowing anytime views of water flow per hour and total water consumption (gallons or liters). And unlike most variable water- and electric-powered pumps, the SelectDoser 640 confines dosed product to the pump tubes. That means aggressive solutions will neither disrupt the pump's mechanism nor corrode its parts.



### SIMPLICITY

#### Easy installation.

A water flow sensor is fitted into the water line downstream from the water filtration system. The SelectDoser 640 is wall-mounted and connected to the water flow sensor's signal line and a 12V DC power supply. Product is then drawn through a delivery tube to the pump, and pumped to the injection port.

#### Low maintenance.

The supplied pump tube allows a full range of dosing ratios, so there's no need to change tubes when changing product ratios. Only tube wear determines when a new pump tube is required.

#### Basic commands.

The standard dosing range is between 1:10 (10%) and 1:5,000 (0.02%). Custom ratios are also available, so products can be pumped directly into watering systems—without pre-mixing. A unique "meter-only" feature continues measuring water flow and water consumption when unit is not dosing. The unit's on-screen language option allows for English, Spanish, or French.

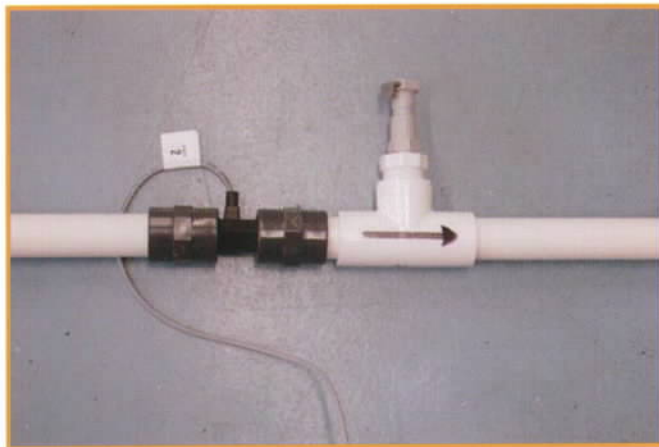


200 Main Street, PO Box 128, Elmwood, WI 54740  
Toll-Free: 800-826-3301  
Phone: 715-639-9209  
Fax: 715-639-2335  
E-mail: [sales@genesisinstruments.com](mailto:sales@genesisinstruments.com)

# SELECT DOSER™ 640



The SelectDoser 640 is wall-mounted and connected to a nearby water line and power supply.



Product moves to the injection port by peristaltic action. A water flow sensor monitors water output.

## TECHNICAL DATA

**WEIGHT:** 2.6 lbs.

**STANDARD RATIOS:** 1:10, 20, 100, 128, 256, 500, 1000, 2500, 5000

The SelectDoser 640 comes with one of three available water flow sensors:

- Sensor 1 registers water flow at less than 1 gal/hour and is fully accurate from 3 gal/hour to 300 gal/hour. Fits 3/4" pipe.
- Sensor 2 registers water flow at 3 gal/hour and is fully accurate from 10 gal/hour to 450 gal/hour. Fits 3/4" pipe.
- Sensor 3 registers water flow at 10 gal/hour and is fully accurate from 50 gal/hour to 2,500 gal/hour. Fits 1 1/4" pipe.

2", 3", 4", 6" flow sensors available upon request.

**ACCURACY:** +/- 5%

**WATER METER MAX:** 100,000,000 gallons (liters optional)

**POWER:** 12V DC, 3.0 A

**PRESSURE:** 30 psi max

**DOSE INTERVAL:** 5 seconds

**FILTER:** Recommended in water line, upstream of sensor

**PUMP TUBES:** One size, accommodates all ratios

**DELIVERY LINES:** PVC tubes

**SIGNAL OUT:** 1 pulse per gallon output available. Cable accessory available as input to a controller.

## POWER

With a powerful, heavy-duty motor and gearbox, the **SelectDoser 640™** can pump up to nine gallons per hour. It offers a choice of three flow sensor assemblies, each providing different metering capabilities.

All pump tubes are tested for accuracy and durability against most dosing solutions, including acidifiers and chlorine. Proven strong and long-lasting, these pump tubes are designed for superior performance.



Distributed By:

# SELECT DOSER<sup>TM</sup> MAX

## A Smart Choice For Your High or Low Pressure Water Control System

The **SelectDoser MAX<sup>TM</sup>** is a proportional additive pump for agricultural and industrial operations, accurately dispensing vaccines, medications, vitamins, sanitizers, and other solutions into high or low pressure watering systems. By helping take the guesswork out of water management, the **SelectDoser MAX** gives you added control over today's costly variables.



### PRECISE

The **SelectDoser MAX** is over 95 percent accurate. Using built-in dosing control software, the pump moves solutions through its tubing via compression and peristaltic action. Solutions then dispense into water supplies at exact water-to-product ratios. The pump's software:

- Allows you to choose among 13 pre-set dosage ratios. Custom ratios available by request.
- Can be configured to deliver product in parts per million (ppm).
- Displays total water consumption in gallons and current water flow in gallons per hour. Liters available by request.

### RELIABLE

Unlike most variable water- and electric-powered pumps on the market, the **SelectDoser MAX** avoids contact between the solution and the pump mechanism. That means aggressive products and powders will neither disrupt the pump's functions nor corrode its parts. Only the pump tubing comes in contact with the dosed product. Other features of the **SelectDoser MAX** include:

- Durable motor and pump head
- Low maintenance requirements, unlike water-powered dosers
- Visible and audible warning signals in case of high water flow or tube fracture

### VERSATILE

The **SelectDoser MAX** is designed to fit the changing needs of your operation's water control system. With this innovative unit, you can:

- Add a second pump head to dispense a second solution.
- Adjust the output with a simple screen command.
- Run a "meter only" feature for water metering and diagnostics.
- Achieve a wide dosing range using one of six available pump tubes.
- Dispense a solution quickly using the priming function.
- Increase water flow limits by utilizing a large flow paddle sensor.



200 Main Street, PO Box 128, Elmwood, WI 54740

Toll-Free: 800-826-3301

Phone: 715-639-9209

Fax: 715-639-2335

E-mail: [sales@genesisinstruments.com](mailto:sales@genesisinstruments.com)

# SELECT DOSE<sup>TM</sup> MAX

The SelectDoser MAX<sup>TM</sup> is wall-mounted and connected to a nearby water line and power supply.



## EASY SET-UP AND INSTALLATION

The **SelectDoser MAX** consists of a main control unit and motor/pump unit attached to wall-mountable polypropylene board. A flow sensor, included with the **SelectDoser MAX**, connects into the water line upstream of the unit's injection assembly. The motor/pump unit is powered by 120V AC while the main control unit includes a 12V DC power supply. The dosed solution is drawn through a delivery tube from the stock container to the pump, and then pumped to the injection assembly.

## TECHNICAL DATA

WEIGHT:	9 lbs.
STANDARD RATIOS:	1:100, 128, 200, 256, 500, 1,000, 3,000, 5,000, 10,000, 20,000, 30,000, 33,000, 40,000

The **SelectDoser MAX** comes with one of six available water flow sensors:

- Sensor 2 will register water flow at 3 gal/hour and is fully accurate from 10 gal/hour to 450 gal/hour
- Sensor 3 will register water flow at 10 gal/hour and is fully accurate from 50 gal/hour to 2,500 gal/hour
- 2" Paddle Sensor will register water flow from 30 to 300 gal/min
- 3" Paddle Sensor will register water flow from 60 to 600 gal/min
- 4" Paddle Sensor will register water flow from 100 to 1,000 gal/min
- 6" Paddle Sensor will register water flow from 250 to 2,500 gal/min

ACCURACY:	+/- 5%
WATER METER MAX:	10,000,000 gallons
POWER:	12V DC, main control unit; 120V AC, motor/pump unit
PRESSURE:	100 psi max with tubes 1, 2, and 7 25 psi max with tubes 3, 4, and 5
DOSE INTERVAL:	20 seconds
FILTER:	Recommended in water line, upstream of sensor
PUMP TUBES:	Six sizes, each to accommodate various ratios
DELIVERY LINES:	PVC tubes
SIGNAL OUT:	1 pulse per gallon output available. Cable accessory available as input to a controller.



Distributed By: