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## TECHNICAL BRIEF

### INTERFACE DISPENSER SYSTEMS

#### General

The Interface Dispenser is designed for the purpose of measuring and dispensing liquid concrete admixtures. Built with quality tested components these systems will provide dependable service in all types of plant applications.

Each system is completely assembled and pre-tested before shipment. Available in several sizes, these units can be configured as single or multi units with a wide variety of options. Dispenser Systems, Inc. will also custom design and manufacture to fit your special dispensing needs.



(4 Unit Interface Dispenser)

#### Operation

Operation of the Interface Dispenser is achieved through the concrete plants automated batch control system.

The Interface Dispenser requires the batch panel to provide fill & discharge control signals, the dispenser in turn provides outputs for meter pulse and bottle empty.

If the plant is not equipped with a batch control panel, Dispenser Systems, Inc. offers a full line of semi-automatic controls which can easily be added to The Interface Dispenser.

#### Specifications

##### Measuring Units:

Available in Acrylic, Mild Steel & Stainless Steel.

Sizes Specified in U.S. Ounces:

Acrylic - 10, 30, 60, 120, & 240

Mild Steel - 120, 240

Stainless Steel - 140, 280, 340, 500, 600, 980, 1400,  
2000, & 2400

##### Plumbing:

Liquid plumbing fittings - brass

Air plumbing - Galvanized

Airline fittings - SMC Pneumatics One-Touch Fitting

##### Liquid Valves

Gemini Air Actuated Ball Valve;

Brass Body, Teflon Seals, Stainless Steel Ball

##### Flow Meters:

Badger Meter RCDL with PFT-1E Electronic Transmitter  
or Amtec Meter with EP-2000 Electronic transmitter

##### Interface Probe Amplifier:

Badger Model DP-10 or Amtec Model AMT-200

##### Electrical:

Standard units are wired to operate using 120 VAC 60 Hz.  
Power supply.

##### Solenoid Valves:

1/4" 4 way manifold mounted; manufactured by SMC Pneumatics



*4 Unit Interface Dispenser;*  
Mounted in steel enclosure  
with stand



*7 Unit Interface Dispenser;*  
Units 1-4 with stainless steel tanks, units 5-7 direct feed.  
Mounted in aluminum enclosure