



SERFILCO®

SMART DRUM PUMP BATCH CONTROL SYSTEM

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BULLETIN
P-412_D
SEPT 2012



CHEMICAL PACKAGING / PLATING WASTE WATER TREATMENT CHEMICAL MANUFACTURING SEMI-CONDUCTOR PHARMACEUTICAL / AGRICULTURE

Dispenses liquids:

- safely
- accurately – preset volume
- easily
 - push to start
 - shuts off automatically

SERFILCO Smart Pumps are engineered to control, measure and dispense any volume of liquid from drums, IBCs, tanks and any large storage vessel. They can be used in any industry where batching, chemical packaging or dilution is required to be accurate and efficient.

OPERATIONS

Simply enter the desired volume of liquid with directional arrows. Press ENTER and the SERFILCO Smart Pump Batch Control System engages the motor, dispenses the required volume, then stops the motor to complete the process. Motor speed control is also included to dispense at the desired flow rate.

FEATURES

- Measure flow rate and volume
- Turbine Paddle Wheel design
- Multiple languages
- Measures: gallon, liters, cubic meters, milliliters, imperial gallons
- Resettable, Totalizer
- +/- .05% accuracy of reading

TECHNICAL SPECIFICATIONS

Available Wetted Parts	Polypropylene & PVDF
Motor Drive	Open Drip (IP44) or TEFC (IP55)(110v or 230v)
Discharge Fitting	1" (25mm) Hose Barb
Pumping Principle	Centrifugal
Flow Capacity	25 GPM (95 LPM)
Maximum Capacity	300 cps / mPAS
Paddle Wheel Materials	PVDF & Ceramic
Immersion Length	27" (700mm), 39" (1000mm), 47" (1200mm), 60" (1500mm), 72" (1800mm)



***SYSTEM INCLUDES 1 EACH:** SERFILCO drum pump Smart Motor, pump tube and batch controller with all necessary connections.

110-120V/1/50-60**Variable Speed Batch Control Systems**

SYSTEM MODEL NUMBER	MOTOR	PUMP TUBE MATERIAL - LENGTH	METER, WETTED COMPONENTS	PRICE CODE NO.
BC-ODP-PP-27 BC-ODP-PP-39 BC-ODP-PP-47 BC-ODP-PP-60 BC-ODP-PP-72	ODP	PP-27" PP-39" PP-47" PP-60" PP-72"	PP, Halar, ceramic	52-0400 52-0401 52-0402 52-0403 52-0404
BC-ENC-PP-27 BC-ENC-PP-39 BC-ENC-PP-47 BC-ENC-PP-60 BC-ENC-PP-72	TEFC	PP-27" PP-39" PP-47" PP-60" PP-72"	PP, Halar, ceramic	52-0405 52-0406 52-0407 52-0408 52-0409
BC-ODP-KY-27 BC-ODP-KY-39 BC-ODP-KY-47	ODP	PVDF-27" PVDF-39" PVDF-47"	PVDF, Halar, ceramic	52-0410 52-0411 52-0412
BC-ENC-KY-27 BC-ENC-KY-39 BC-ENC-KY-47	TEFC	PVDF-27" PVDF-39" PVDF-47"	PVDF, Halar, ceramic	52-0413 52-0414 52-0415

220-240V/1/50-60**Variable Speed Batch Control Systems**

SYSTEM MODEL NUMBER	MOTOR	PUMP TUBE MATERIAL - LENGTH	METER, WETTED COMPONENTS	PRICE CODE NO.
BC2-ODP-PP-27 BC2-ODP-PP-39 BC2-ODP-PP-47 BC2-ODP-PP-60 BC2-ODP-PP-72	ODP	PP-27" PP-39" PP-47" PP-60" PP-72"	PP, Halar, ceramic	52-0416 52-0417 52-0418 52-0419 52-0420
BC2-ENC-PP-27 BC2-ENC-PP-39 BC2-ENC-PP-47 BC2-ENC-PP-60 BC2-ENC-PP-72	TEFC	PP-27" PP-39" PP-47" PP-60" PP-72"	PP, Halar, ceramic	52-0421 52-0422 52-0423 52-0424 52-0425
BC2-ODP-KY-27 BC2-ODP-KY-39 BC2-ODP-KY-47	ODP	PVDF-27" PVDF-39" PVDF-47"	PVDF, Halar, ceramic	52-0426 52-0427 52-0428
BC-ENC-KY-27 BC-ENC-KY-39 BC-ENC-KY-47	TEFC	PVDF-27" PVDF-39" PVDF-47"	PVDF, Halar, ceramic	52-0429 52-0430 52-0431



MODEL F200 BATTERY POWERED DIGITAL FLOW METER / TOTALIZER



SERFILCO Model F200 Digital Flow Meters utilize proven paddle wheel design for greater accuracy when measuring low to medium viscosity liquids. The separate flow chamber and removable electronic module provide maximum chemical resistance to meet the toughest applications. Nema 4 (IP65) enclosure. Measuring range 2-200 GPM (7.5 - 757 LPM). Temperature range 32°F - 217°F (0°C - 100°C).

FLOW METER KITS

Flow meter and flow chamber with discharge nozzle and 1" hose barb inlet.

FLOW METERS

Flow meter and flow chamber with 1" hose barb inlet & outlet.

- Measure flow rate and volume with resettable totalizer.
- Two line Alphanumeric Display Shows Flow Rate & Total Flow Together
- Menu – guided user friendly operating system allows for customized setting. Equipped with EE Prom electronics.
- $\pm 0.61\%$ Full Scale



FLOW METERS KITS

MODEL NO.	WETTED MATERIALS	PRICE CODE NO.
F200PP-KIT	PP, Halar, ceramic	52-0160
F200KY-KIT	PVDF, Halar, ceramic	52-0161
F200SS-KIT	316 SS, Halar, ceramic	52-0162



FLOW METERS

MODEL NO.	WETTED MATERIALS	PRICE CODE NO.
F200PP-B	PP, Halar, ceramic	52-0170
F200KY-B	PVDF, Halar, ceramic	52-0171
F200SS-B	316 SS, Halar, ceramic	52-0172

BATTERY POWERED ELECTRONIC FLOW METER



- Self-contained microprocessor with LCD readout
- $\pm 1.5\%$ accuracy, $\pm 0.3\%$ repeatability
- Measures flow rate and total flow separately
Consult Sales Dept. for other registers.
- 316 stainless steel, nylon or PVDF
- Factory calibrated: 3 - 50 U.S. GPM or 10 - 190 LPM

SERFILCO Electronic Digital Flow Meters combine microprocessor technology with rugged and accurate turbine flow sensor design. Power is supplied by 2 lithium batteries (included) that provide an average 2,000 hours of intermittent use. LCD display automatically turns on when flow starts and off four minutes after flow ceases. Standard connection is 1" NPT. All electronics are enclosed under splash-tight gasketed acrylic cover. Pressure drop 2 psig @ 30 GPM (1.4 BAR @ 114 LPM) and 5 psig @ 50 GPM (3.5 BAR @ 190 LPM). Dimensions: 4" x 2.5" x 2" (10.2 x 6.4 x 5.1 cm)

MODEL NO.	WETTED MATERIALS	PRICE CODE NO.
DMSS-1	Stainless steel, PVDF, ferrite, ceramic	52-0998 G
DMN-1	Nylon, ferrite, ceramic, stainless steel	52-0999 G
DMKY-1	PVDF, ceramic	52-0994 G

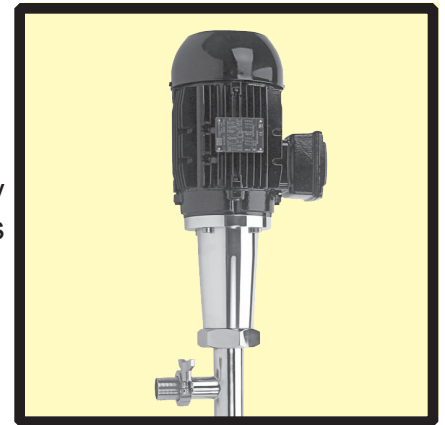
For LPM calibration change **G** to **L** in Price Code Number



SERFILCO® offers a complete product line of pumps for fast, safe and convenient transfer and dispensing of liquids.



SERFILCO® Smart Drum Pump
Batch and flow control systems.



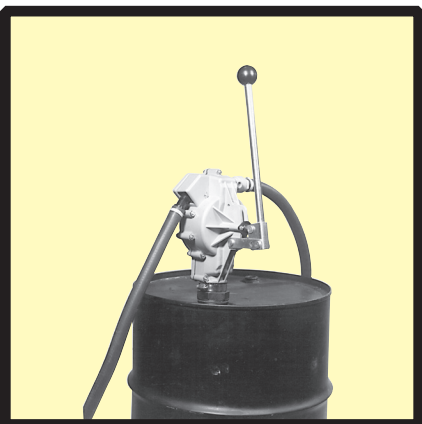
SERFILCO® High Viscosity
Drum Pumps



SERFILCO® Series 'DP' Drum Pumps



SERFILCO® Barrel and Container
Pumps



SERFILCO® Series 'HP'
Hand Dispensing Pump