

TANKS



7.5-GALLON (28.4 LITERS)



15-GALLON (56.8 LITERS)



30-GALLON (113.6 LITERS)

MATERIALS OF CONSTRUCTION

Tank Polyethylene, approved to NSF/ANSI 61

Lid with child resistant lock Polypropylene

Grommets Viton

Screws Stainless steel

AGENCY LISTINGS



THIS PRODUCT IS TESTED AND CERTIFIED BY WATER QUALITY ASSOCIATION ACCORDING TO NSF/ANSI 61 AND WQA ORD0902 FOR LOW LEAD COMPLIANCE

TANK SYSTEM

Tank system includes a Classic Series single head adjustable or fixed output pump.

Features

- Shipped pre-assembled for easy installation and convenience
- Includes rain roof to help protect motor
- Vertically mounted for solution containment
- Child resistant lid
- Polyethylene construction is lightweight and rugged
- UV resistant gray or translucent white

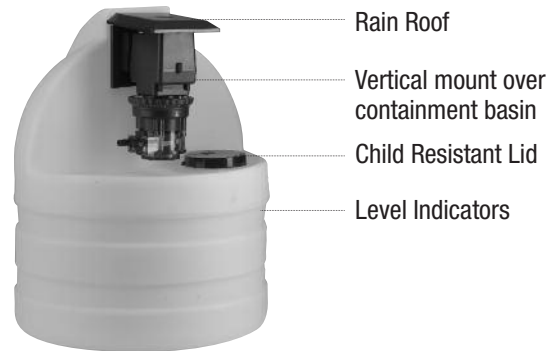
Shipping Weight

- 7.5-Gallon: 18 lbs (8.1 kg)
- 15-Gallon: 27 lbs (12.3 kg)
- 30-Gallon: 35 lbs (15.9 kg)

Dimensions

- 7.5-Gallon: 20.5 OD x 19.6 in. (52.1 OD x 49.9 cm)
- 15-Gallon: 20.5 OD x 25.3 in. (52.1 OD x 64.1 cm)
- 30-Gallon: 20.5 OD x 37.5 in. (52.1 OD x 95.3 cm)

Build an item number on pages 4 through 7.





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TANK

Colors

- UV resistant gray
- Translucent white

Shipping Weight

- 7.5-Gallon: 20.5 OD x 19.6 in. (52.1 OD x 49.9 cm)
- 15-Gallon: 20.5 OD x 25.3 in. (52.1 OD x 64.1 cm)
- 30-Gallon: 20.5 OD x 37.5 in. (52.1 OD x 95.3 cm)

Dimensions

- 7.5-Gallon: 9 lbs (4.1 kg)
- 15-Gallon: 19 lbs (8.6 kg)
- 30-Gallon: 26 lbs (11.8 kg)

Tanks For 45 or 85 Series Pumps

Includes screws and grommets.

ITEM NUMBER	UM	DESCRIPTION
STS7GC	EA	7.5-Gallon Gray
STS7NC	EA	7.5-Gallon White
STS15GC	EA	15-Gallon Gray
STS15NC	EA	15-Gallon White
STS30GC	EA	30-Gallon Gray
STS30NC	EA	30-Gallon White

Tanks For BDF* or SVP Series Pumps

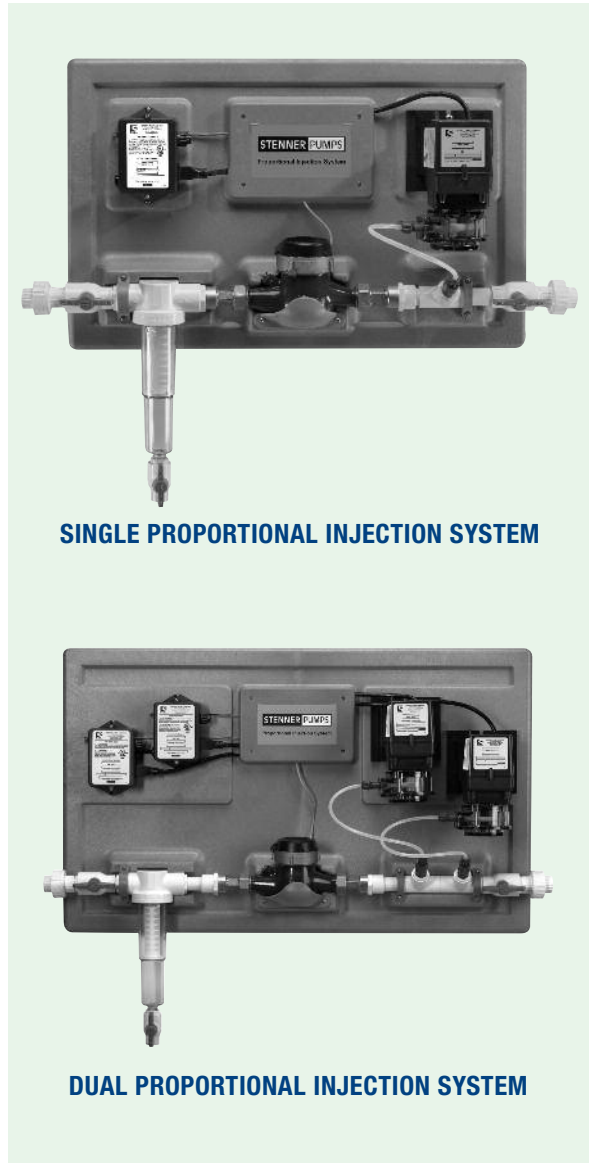
Includes screws and grommets.

ITEM NUMBER	UM	DESCRIPTION
STS7G-02	EA	7.5-Gallon Gray
STS7N-02	EA	7.5-Gallon White
STS15G-02	EA	15-Gallon Gray
STS15N-02	EA	15-Gallon White
STS30G-02	EA	30-Gallon Gray
STS30N-02	EA	30-Gallon White

* The BDF pump is not certified by WQA.

PROPORTIONAL INJECTION SYSTEM

The Proportional Injection System doses solution that is proportional to the system's flow rate based on water volume. The water meter sends a signal to the PCM which actuates the pump. The system is suited for constant pressure (variable speed) well pumps, poultry and livestock houses, irrigation, systems with demand based backup wells and any application with varying flow rates.



The primary components are the PCM (pages 30 & 31), Classic Series single head fixed output pump (pages 2-7) and a 3/4" dry contact bronze water meter (page 33). The components are pre-assembled on a panel and include wall mounting brackets for quick installation and equipment accessibility. The cabinet keeps the cords and wires contained. Unions provide easy installation and removal. A flow indicator (page 44) is also installed as a visual reference to confirm solution is pumping.

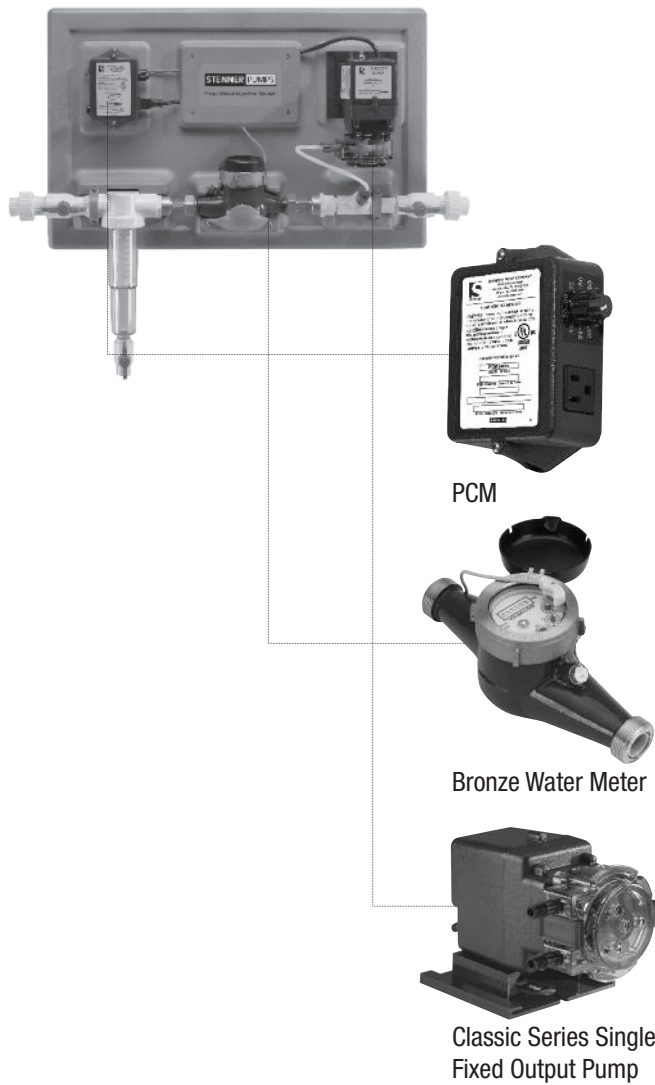
The Proportional Injection System is available as a Single or a Dual with two pumps, and two PCMs.

Shipping Weight

- Single: 31 lbs (14 kg)
- Dual: 45 lbs (20.4 kg)

Box Dimensions

- Single: 28 x 17.5 in. (71.1 x 44.5 cm)
- Dual: 36.2 x 22.1 in. (91.9 x 56.2 cm)



SPECIFICATIONS

Voltage 120V 60Hz

MATERIALS OF CONSTRUCTION

Panel & Panel Fittings Polyethylene

Mounting Hardware Stainless steel

Piping and Associated Fittings PVC

Water Meter Bronze

Filter PVC with polycarbonate cover and two polyester screens 30 and 100 mesh

NOTE: PVC connections are socket weld union 3/4" connections. Two 1" to 3/4" reducer couplings are included in the accessory kit to allow unit to adapt to 1" piping systems.

BUILD AN ITEM NUMBER



System	Pump	Pump & PCM Voltage	PCM	Water Meter
S Single	gpd lpd Fixed Model	1 120V 60Hz	Operating Range (sec.) Model	751G 3/4" 1 gallons/pulse
D Dual	03 3 11.4 45MPHP2		01 0.1 to 1.0 PCM1	752P 3/4" 2 pulses/gallon
	05 5 18.9 85MPHP5		05 0.5 to 5.0 PCM5	752P 3/4" 4 pulses/gallon
	10 10 37.9 45MPHP10		10 1.0 to 10.0 PCM10	NOTE: Additional pulse rates available with two week lead time, contact factory.
	17 17 64.4 85MPHP17		20 2.0 to 20.0 PCM20	
	22 22 83.3 45MPHP22			
	40 40 151.4 85MPHP40			

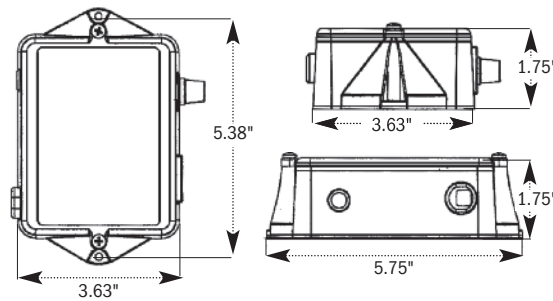
PCM

The PCM (Pump Control Module) is a time adjustable controller that powers a fixed output pump. A pulsing dry contact water meter sends a signal to the PCM which actuates the pump to deliver the desired dose based upon water volume.



PUMP CONTROL MODULE

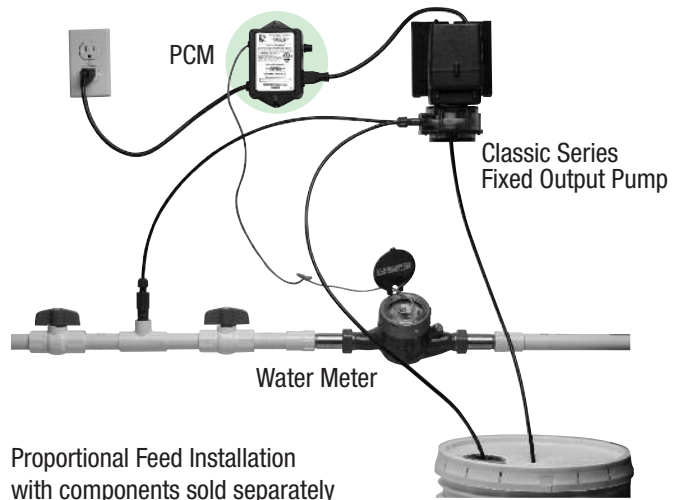
The PCM is one of the components in the Proportional Injection System or a proportional feed installation. A proportional feed set-up is suited for constant pressure (variable speed) well pumps and applications with varying flow rates requiring proportional injection.



Shipping Weight 2 lbs (0.9 kg)
Box Dimensions 8 x 8 x 6 in. (20.3 x 20.3 x 15.2 cm)



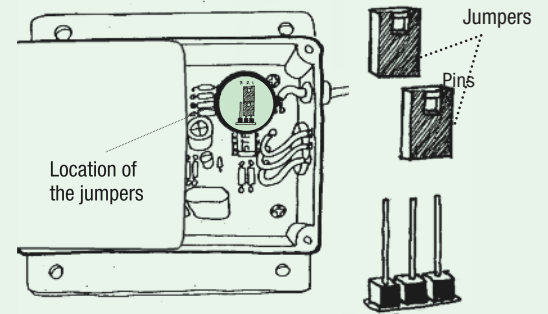
Proportional Injection System



Proportional Feed Installation with components sold separately



The PCM's operating range can be converted by changing the position of the jumpers on the circuit board so another model doesn't have to be purchased.



MATERIALS OF CONSTRUCTION

Housings Polycarbonate

Timer Microcontroller with triac output

Turndown Ratio 10:1

Pump Head Rollers HDPE

Input Signal Non-voltage dry contact, water meter

Reset Time Immediate

Minimum Signal Durations 10 milliseconds

Input Electrical 120V 60Hz

No Load Current 0.45mA AC maximum

Output Electrical

Maximum device load, 1.8 amp at 120V

AGENCY LISTINGS



PCM Models

PART NUMBER	UM	DESCRIPTION
PCM1	EA	0.1 to 1.0 Second
PCM5	EA	0.5 to 5.0 Seconds
PCM10	EA	1.0 to 10.0 Seconds
PCM20	EA	2.0 to 20.0 Seconds

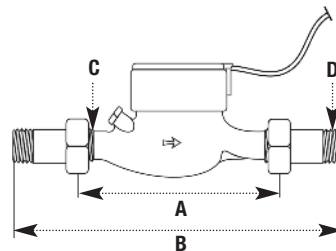
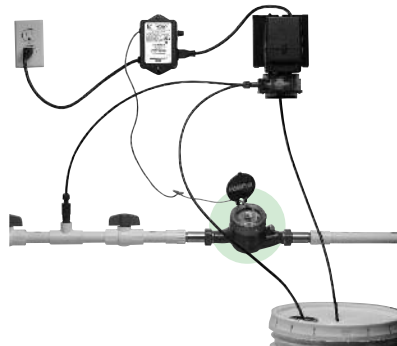
WATER METER



PLASTIC METER

PLASTIC METER

The plastic water meter doesn't require power and utilizes a reed switch that provides a dry contact closure to the PCM that actuates the pump. The plastic meter is sold separately as a component for use in a proportional feed installation (pages 30-31). The meter is certified with the Water Quality Association under NSF/ANSI-372 (low lead).



Shipping Weight 2 lbs (0.91 kg)

Dimensions

SIZE	A Body	B Body with Couplings	C IPS Thread	D NPT Thread
3/4"	7.5" (19.1 cm)	11.5" (29.2 cm)	1"	0.75"
1"	10.25" (26.0 cm)	15.25" (38.8 cm)	1.25"	1"

Plastic Meters

ITEM NUMBER	UM	DESCRIPTION
JLP0750-1PPG	EA	3/4", 1 pulse/gallon
JLP0750-2PPG	EA	3/4", 2 pulses/gallon
JLP1000-1PPG	EA	1", 1 pulse/gallon
JLP1000-2PPG	EA	1", 2 pulses/gallon

FLOW RATES

Size	Flow Rate Gallons per Minute	Pulses Per Gallon	
3/4"	0.25 to 22	1	2
1"	0.75 to 50	1	2

SPECIFICATIONS

- Accuracy** ± 2% when operating between minimum and maximum flow range
- Temperature** Range 35°-105° F (1.7°-40.6° C)
- Pressure Ratings** 15-100 psi (1.0-6.9 bar)
- Maximum Current** 20mA
- Maximum Voltage** 24VDC or VAC
- Sensor** Reed Switch
- Cable Length** 5 ft (1.5 m)

MATERIALS OF CONSTRUCTION

- Body** Engineered reinforced plastic (nylon)
- Internal** Engineered thermoplastic
- Magnet** Alnico