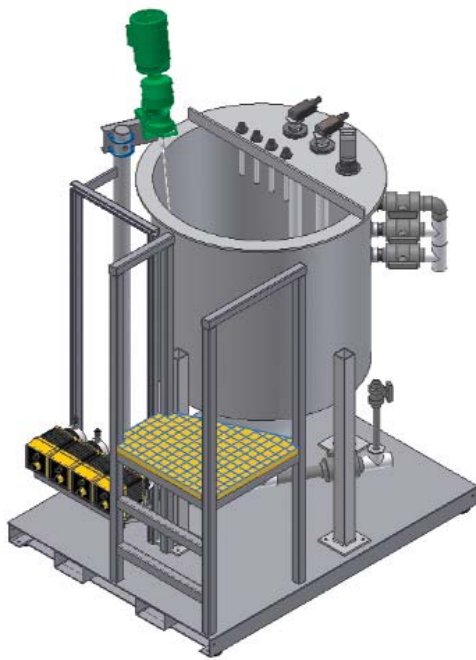


TotalTreat® BPS Batch Precipitation System

SIEMENS

The TotalTreat® BPS Batch Precipitation System is a fully automatic packaged system to perform batch chemical precipitation. The system includes a fiberglass reaction chamber with chemical injection pumps, pH meter, mixer and sludge transfer pump. A decant pump is available as an option. The BPS can be used as a stand alone item or integrated as part of a larger system. The system requires influent, effluent, sludge process connections and a single power connection. The BPS has been used in many industries and many applications. The chemistry used is selected to provide optimum treatment for the waste. The three standard equipment dosing pumps can be supplemented and additional instrumentation, such as ORP, is available as optional equipment.

BT-250



FEATURES

- NEMA-4 electrical enclosure
- Compact design for small footprint
- Non-metallic fiberglass construction for superior corrosion resistance
- TEFC mixer motor
- Pre-piped
- Pre-wired
- Factory tested
- Stand alone operation
- Integrate with other wastewater products

AVAILABLE STANDARD OPTIONS

- Orp transmitters/sensors
- Effluent chart recorder
- Dual pH transmitters/sensors
- Dual ORP transmitters/sensors
- Additional chemical dosing pumps
- Influent pump
- Decant pump

TotalTreat® BPS Batch Precipitation System

SPECIFICATIONS

Model Number	BPS-250	BPS-500	BPS-1000	BPS-1500	BPS-2000
Tank Capacity	250 gallons 0.95 m ³	500 gallons 1.9 m ³	1,000 gallons 3.8 m ³	1,500 gallons 5.7 m ³	2,000 gallons 7.6 m ³
Tank Dimensions (Dia. x H)	3'-6" x 6'-3" 1,067 x 1,905 mm	4'-6" x 8'-0" 1,372 x 2,438 mm	5'-6" x 9'-10" 1,676 x 2,997 mm	6'-0" x 11'-1" 1,829 x 3,378 mm	7'-0" x 12'-1" 2,134 x 3,683 mm
System Dimensions (L x W x H)	5'-9" x 5'-4" x 8'-2" 1,753 x 1,626 x 2,489 mm	6'-6" x 6'-4" x 10'-0" 1,981 x 1,930 x 3,048 mm	7'-2" x 7'-4" x 11'-9" 2,184 x 2,235 x 3,581 mm	7'-4" x 7'-10" x 13'-0" 2,235 x 2,388 x 3,962 mm	8'-8" x 9'-3" x 14'-0" 2,642 x 2,819 x 4,267 mm
Tank Material of Construction	Fiberglass Reinforced Plastic (FRP) with Nexus Liner	Fiberglass Reinforced Plastic (FRP) with Nexus Liner	Fiberglass Reinforced Plastic (FRP) with Nexus Liner	Fiberglass Reinforced Plastic (FRP) with Nexus Liner	Fiberglass Reinforced Plastic (FRP) with Nexus Liner
Seismic Rating	UBC Zone-2	UBC Zone-2	UBC Zone-2	UBC Zone-2	UBC Zone-2
Access Platform	Integral Platform, Epoxy Coated Carbon Steel	Integral Platform, Epoxy Coated Carbon Steel	Integral Platform, Epoxy Coated Carbon Steel	Integral Platform, Epoxy Coated Carbon Steel	Integral Platform, Epoxy Coated Carbon Steel
Shipping Weight	400 lbs 181 kg	550 lbs 249 kg	850 lbs 386 kg	1,150 lbs 522 kg	1,500 lbs 680 kg
Operating Weight	2,500 lbs 1,134 kg	4,720 lbs 2,141 kg	9,190 lbs 4,169 kg	13,660 lbs 6,196 kg	18,180 lbs 8,246 kg
Voltage	208-Y-VAC, 3-Phase, 60-Hertz	208-Y-VAC, 3-Phase, 60-Hertz	208-Y-VAC, 3-Phase, 60-Hertz	208-Y-VAC, 3-Phase, 60-Hertz	208-Y-VAC, 3-Phase, 60-Hertz
Amperage	20 Amps	20 Amps	20 Amps	20 Amps	25 Amps
Compressed Air	20 cfm @ 100 psi 34.0 m ³ /hr @ 299 kPa 10% duty cycle	20 cfm @ 100 psi 34.0 m ³ /hr @ 299 kPa 10% duty cycle	50 cfm @ 100 psi 85.0 m ³ /hr @ 299 kPa 10% duty cycle	50 cfm @ 100 psi 85.0 m ³ /hr @ 299 kPa 10% duty cycle	50 cfm @ 100 psi 85.0 m ³ /hr @ 299 kPa 10% duty cycle
Mixer Type	Mechanical, Gear Reduced	Mechanical, Gear Reduced	Mechanical, Gear Reduced	Mechanical, Gear Reduced	Mechanical, Gear Reduced
Mixer Speed (rpm)	350	350	350	350	350
Mixer Mfg/Model	Brawn/BMG33-350	Brawn/BMG33-350	Brawn/BMG33-350	Brawn/BMG33-350	Brawn/BM100-350
Three Chemical Dosing Pumps	Air Operated Metering Pump	Air Operated Metering Pump	Air Operated Metering Pump	Air Operated Metering Pump	Air Operated Metering Pump
Chemical Dosing Pump Mfg/Model	ARO/666053-3EB	ARO/666053-3EB	ARO/666053-3EB	ARO/666053-3EB	ARO/666053-3EB
Chemical Dosing Pump Capacity	7 gpm @ 30' TDH 1.6 m ³ /hr @ 90 kPa	7 gpm @ 30' TDH 1.6 m ³ /hr @ 90 kPa	7 gpm @ 30' TDH 1.6 m ³ /hr @ 90 kPa	7 gpm @ 30' TDH 1.6 m ³ /hr @ 90 kPa	7 gpm @ 30' TDH 1.6 m ³ /hr @ 90 kPa
Sludge Transfer Pump	Air Operated Double Diaphragm	Air Operated Double Diaphragm	Air Operated Double Diaphragm	Air Operated Double Diaphragm	Air Operated Double Diaphragm
Sludge Transfer Pump Mfg/Model	ARO/6661A3-3EB	ARO/6661A3-3EB	ARO/6661T3-3EB	ARO/6661T3-3EB	ARO/6661T3-3EB
Sludge Transfer Pump Capacity	20 gpm @ 50' TDH 2.3 m ³ /hr @ 149 kPa	20 gpm @ 50' TDH 2.3 m ³ /hr @ 149 kPa	45 gpm @ 50' TDH 10.2 m ³ /hr @ 149 kPa	45 gpm @ 50' TDH 10.2 m ³ /hr @ 149 kPa	45 gpm @ 50' TDH 10.2 m ³ /hr @ 149 kPa
Sludge Transfer Pump Air Consumption	10 cfm @ 60 psi 17.0 m ³ /hr @ 414 kPa	10 cfm @ 60 psi 17.0 m ³ /hr @ 414 kPa	50 cfm @ 60 psi 85.0 m ³ /hr @ 414 kPa	50 cfm @ 60 psi 85.0 m ³ /hr @ 414 kPa	50 cfm @ 60 psi 85.0 m ³ /hr @ 414 kPa
pH Transmitter	Great Lakes Instruments	Great Lakes Instruments	Great Lakes Instruments	Great Lakes Instruments	Great Lakes Instruments
Control Panel	NEMA-4X	NEMA-4X	NEMA-4X	NEMA-4X	NEMA-4X

The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

TotalTreat is a trademark of Siemens, its subsidiaries or affiliates.

Siemens
Water Technologies
2000 Marconi Drive
Warrendale, PA 15086
866.525.0621 Toll Free
724.772.6520 Phone
724.772.6521Fax

Printed in U.S.A.
EPWP.BPS.IUE.DS.1106
www.usfilter.com

©2006 Siemens Water Technologies Corp.
Subject to change without prior notice.