



BT-250 System

BT BATCH TREATMENT SYSTEM

The BT Batch Treatment System is a semi-automatic packaged system to perform batch chemical precipitation operation. The pH (acid or caustic) is adjusted automatically. Additional treatment chemicals will be added manually. The system includes a fiberglass cone bottom tank with two chemical feed pumps, decant port, a pH indicator/controller, an air diaphragm pump for sludge removal, a mixer, high level alarm and a local electrical control panel.

Features

- Compact design for small footprint
- Non-metallic FRP construction for superior corrosion resistance
- TEFC mixer motor
- Pre-piped
- Pre-wired
- Factory tested
- Integrate with other wastewater products

SPECIFICATIONS

MODEL NUMBER	BT-250	BT-500	BT-1000	BT-1500	BT-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)	42" x 76" 1,067 x 1,930 mm	54" x 96" 1,372 x 2,438 mm	72" x 118" 1,829 x 2,997 mm	72" x 133" 1,829 x 3,378 mm	84" x 145" 2,134 x 3,683 mm
System Dimensions (L x W x H)	55" x 72" x 85" 1,397 x 1,829 x 2,159 mm	55" x 72" x 85" 1,397 x 1,829 x 2,159 mm	100" x 113" x 145" 2,540 x 3,378 x 3,683 mm	100" x 133" x 145" 2,540 x 3,378 x 3,683 mm	100" x 143" x 170" 2,540 x 3,632 x 4,318 mm
Tank Material of Construction	Fiberglass Reinforced Plastic (FRP)	Fiberglass Reinforced Plastic (FRP)	Fiberglass Reinforced Plastic (FRP)	Fiberglass Reinforced Plastic (FRP)	Fiberglass Reinforced Plastic (FRP)
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	460-VAC, 3-Phase, 60-Hertz	460-VAC, 3-Phase, 60-Hertz	460-VAC, 3-Phase, 60-Hertz	460-VAC, 3-Phase, 60-Hertz	460-VAC, 3-Phase, 60-Hertz
Mixer Type	Mechanical, Gear Reduced	Mechanical, Gear Reduced	Mechanical, Gear Reduced	Mechanical, Gear Reduced	Mechanical, Gear Reduced
Chemical Dosing Pumps	2	2	2	2	2
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 Capacity	20 gpm @ 50 TDH 2.3 m ³ /h @ 149 kPa	20 gpm @ 50 TDH 2.3 m ³ /h @ 149 kPa	45 gpm @ 50 TDH 10.2 m ³ /h @ 149 kPa	45 gpm @ 50 TDH 10.2 m ³ /h @ 149 kPa	45 gpm @ 50 TDH 10.2 m ³ /h @ 149 kPa
Sludge Transfer Pump Air Consumption	10 cfm @ 60 psi 17.0 m ³ /h @ 414 kPa	10 cfm @ 60 psi 17.0 m ³ /h @ 414 kPa	50 cfm @ 60 psi 85.0 m ³ /h @ 414 kPa	50 cfm @ 60 psi 85.0 m ³ /h @ 414 kPa	50 cfm @ 60 psi 85.0 m ³ /h @ 414 kPa
pH Transmitter	Hach	Hach	Hach	Hach	Hach



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