



CEQUESTA WATER LTD

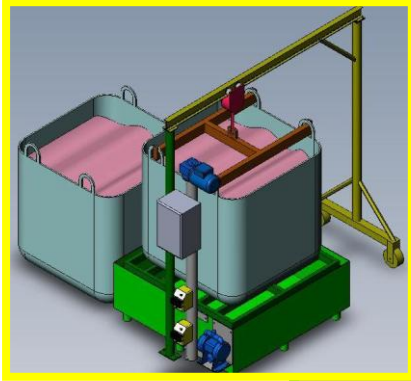
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BIG BAG Sludge Dewatering Unit

BBSDU



Can be supplied without the BBags crane

CW is offering a practical, low cost, automatic and effective sludge dewatering plant to deal with low volumes of municipal and industrial sludge.

Applications:

Small industrial and municipal WWTP which produces up to 100 kg dry solids per day.

How it works:

The sludge to be treated is fed, by an air-diaphragm pump, into a specially designed up flow reactor, together with a flocculating agent. The reactor is designed to create superior coagulation and flocculation reaction, so that the flocculated sludge, when transferred by gravitation to the dewatering bag, is easily dewatered.

Excess water from the dewatering process is drained through the specially designed bag fabric into a sump beneath it, while the dewatered sludge is retained inside the bag.

When the bag is filled with dewatered sludge, it is easily removed from the apparatus by a single operator, and serves as the final disposal container for the dewatered sludge. A new

Bag is then placed in the apparatus, and the dewatering process can continue.

SPECIFICATIONS	FIGURES
Typical inlet, DS%	0.5-5
Typical dewatering outlet, DS%	10% in one hour, 15% in 24 hours(depends on site climate)
Dewatering capacity, m3/day at 1% DS	8-12
Sludge BAGS volume liters	1000 and custom
Power supply	110/220 V, single phase, 10 amperes
Energy, kWh/day	NIL
Air pressure, bars	6-8
Compressed air consumption, Nm3/hr, average	<0.5
Dimensions, m	H- 2, L -1.5, D- 1.2
Weight empty, kg	200
Chemicals	Flocculants

Advantages:

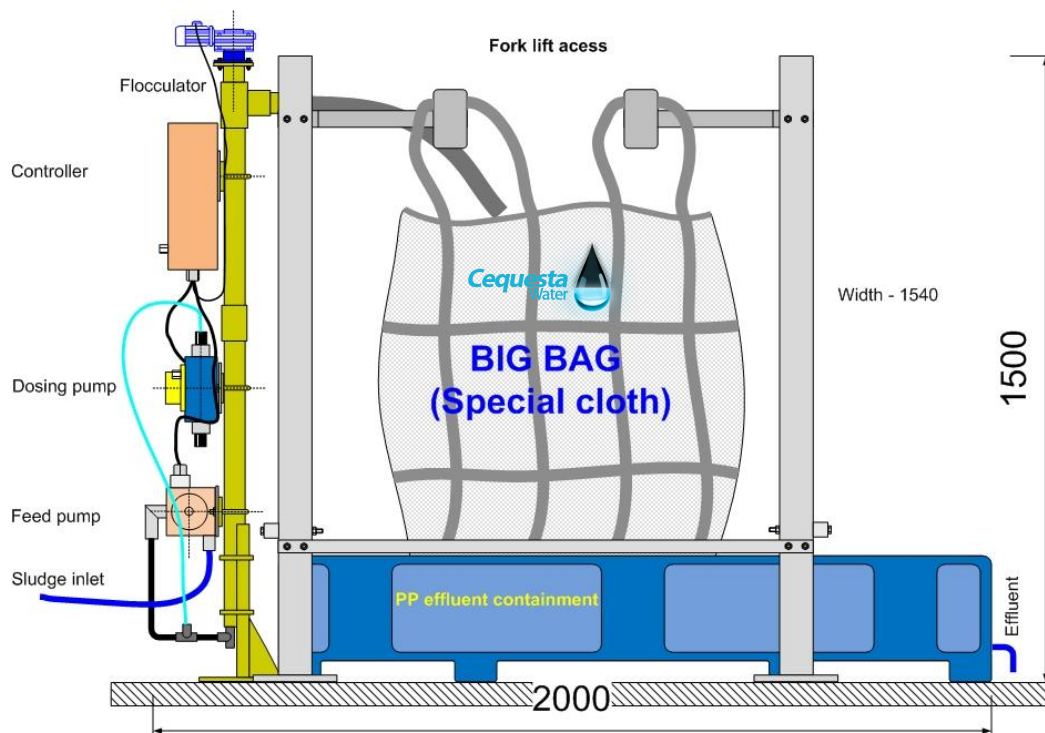
- ✓ Simple to operate
- ✓ Extremely low energy consumption
- ✓ Extremely low maintenance requirements
- ✓ Automatic start-stop according to sludge availability
- ✓ Single operator required for periodic replacement of sludge bags

We offer a kit, one hour installation;

Figures may be changed without notice

Scope:

1. Flocculator with Motorized reactor 90 Watts
2. Sump (PP), standard item, can be purchased by the customer
3. Feed pump, air diaphragm 1/2"
4. Dosing pump electrical diaphragm
5. Power and control board - 220 1 ph 50 Hz
6. 4 steel legs
7. 4 steel arms
8. 4 connection bars
9. BAGs (special made) 1000 liters or custom, optional



Customer responsibility:

Sludge storage tank with two level switches (for automatic operation), prepared flocculent (we can supply small, low cost flocculent preparation unit), flat surface 3X1.5 m, Power, compressed air.



Process:

