

WASTE WATER RECYCLING AND MUD DEHYDRATION PLANT FOR WATER PRODUCED IN READY MIX TRUCK WASHING

Model
FB/2300V-WD-R - FB/400-6



Fig. 1



Waste water and debris, coming from ready mix truck washing (**Fig.1**), are sent to a screw separator. The heavy material deposits at the bottom of the hopper and is taken away by a screw, which discharges it outside (**Fig. 2**).



Fig. 2



Fig. 3

The waste water is then conveyed to a collection sump (**Fig. 3**), where a pump is located. The pump sends the waste water into a static decanter (silo). In the sump, a mixer is also installed, for preventing the solid particles to settle down at its bottom.



Fig. 4

Fig. 5

The waste water then goes into the decanter (Fig. 4) through the central pipe channel, while the clean water rises to the top of the silo and overflows into the upper channel. From there, the clean water can be collected into a storage tank (Fig. 5) and reused for washing the ready mix trucks. The decanter is equipped with a scraping unit, for preventing any clogging of material at the bottom of the decanter cone.



*World-wide Leader in
the waste water treatment plants*



Fig. 6



Fig. 7

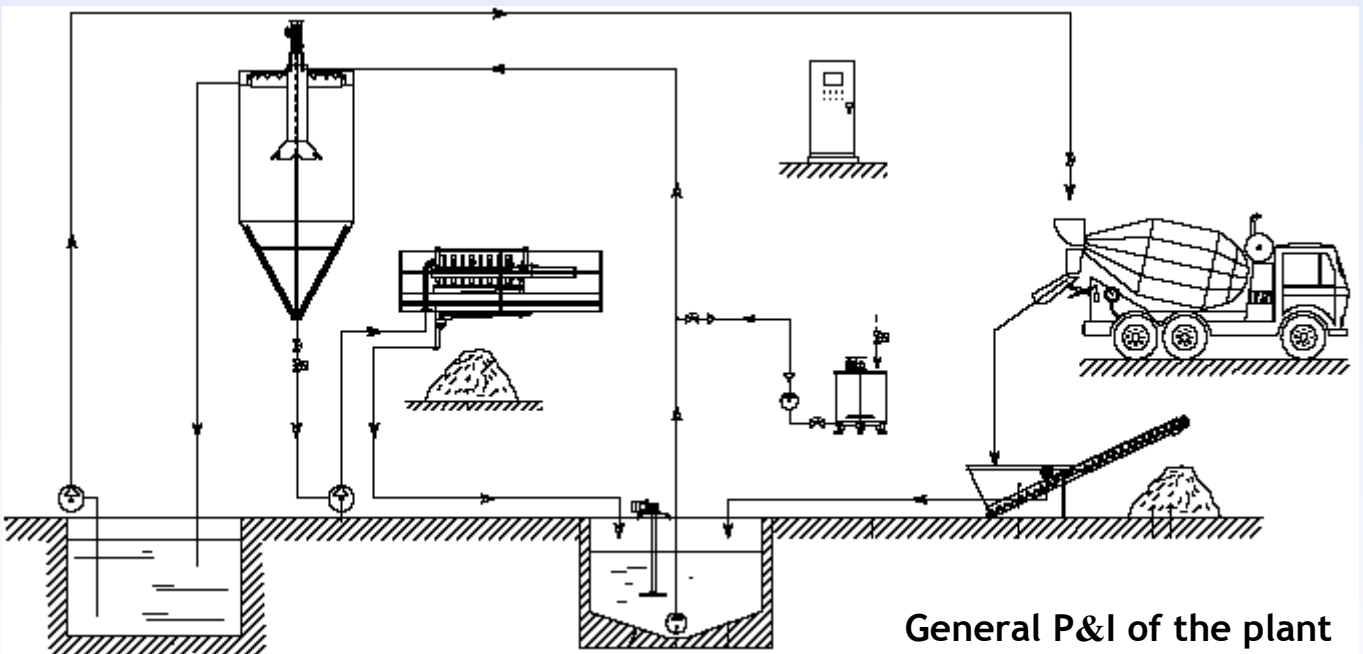
The mud settles down at the bottom of the decanter and is extracted by means of a pneumatic valve. The mud is sent directly to the filterpress by an anti-abrasive pump (Fig. 6).

The filterpress, chamber-plate type, squeezes the mud as much as possible, taking out the residual water, while the dry mud is retained inside the plates.



The dehydrated mud (Fig. 8) is dumped beneath the filterpress.

Fig. 8



General P&I of the plant

Fraccaroli e Balzan S.p.A.

Via Ospedaletto, 113

I-37026 Pescantina – Verona – Italia

Tel. +39 045 6767309 r.a. – Fax +39 045 6767410

E-mail: info@fraccarolibalzan.it

www.fraccarolibalzan.it

