

# Installation & Maintenance

## Suction Strainer CBT

Separation : Liquid / Solid  
Material : FILTER  
Media : Permanent  
**Technical**

### Reminder :

Maximum recommended flow rate for standard models :

- ◆ CBT-1000 : 10 m<sup>3</sup>/h for screen mesh of 125 µ, 20 m<sup>3</sup>/h for 315 and 450 µ, 25 m<sup>3</sup>/h for 630 and 1000 µ. // Supply flow rate for the cleaning & rotation nozzles : 5 m<sup>3</sup>/h at 4 bar
- ◆ CBT-1800 : 20 m<sup>3</sup>/h for screen mesh of 125 µ, 45 m<sup>3</sup>/h for 315 and 450 µ, 60 m<sup>3</sup>/h for 630 and 1000 µ. // Supply flow rate for the cleaning & rotation nozzles : 5 m<sup>3</sup>/h à 4 bar
- ◆ CBTP-3600 : 40 m<sup>3</sup>/h for screen mesh of 125 µ, 80 m<sup>3</sup>/h for 315 and 450 µ, 100 m<sup>3</sup>/h for 630 and 1000 µ. // Supply flow rate for the cleaning & rotation nozzles : 7 m<sup>3</sup>/h à 4 bar
- ◆ CBTP5400 : 60 m<sup>3</sup>/h for screen mesh of 125 µ, 110 m<sup>3</sup>/h for 315 and 450 µ, 150 m<sup>3</sup>/h for 630 and 1000 µ. // Supply flow rate for the cleaning & rotation nozzles : 9 m<sup>3</sup>/h à 4 bar

These pressures are measured at the connection of the cleaning arm. It is then necessary to take in account the pressure drop down which will occur in the supply flex-pipe of the arm between the pump and the strainer.

For special low pressure models (from 1 up to 3 bar), contact us.

### Installation & Maintenance :

The installation of the self cleaning suction strainers are not recommended for filtration of the waters heavily loaded with send. If possible foresee a lifting (raising up) or a simple dismounting system for periodical regular inspection of the suction strainer.

Before connecting the strainer, drain carefully the supply pipe of the cleaning nozzle.

### Start up,

- ◆ Control supply pressure of the arm, the rotation of the cleaning nozzles (between 25 and 35 t/mn according the pumping pressure and flow rate).
- ◆ Install a device to the pump in case of pressure drop at the outlet, for instance due to the clogging up (screen blinding) of the strainer.

### In case of nozzle clogging,

Unscrew the 16 Parker screws of the strainer cover, remove 3/4" stainless steel plug, pick up the cover, unscrew two 3/4" bolts.

Take out the pipe/bearing nozzle support remove it by means of a screw wrench of 14. Control the bearings (wearparts).

### In case of blocking of the cleaning arm,

Unscrew the 16 Parker screws of the strainer cover, remove 3/4" stainless steel plug, pick up the cover, unscrew two 3/4" bolts. Take out the pipe/bearing nozzle support Control the bearings (wearparts) and take out the debris and particles blocking the pipe. Verify the 500 µ protection strainer filter.

