



Water Treatment

Water Treatment Systems

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SECTION 6. WATER TREATMENT



Water Treatment Systems

matec® WATER TREATMENT SYSTEM

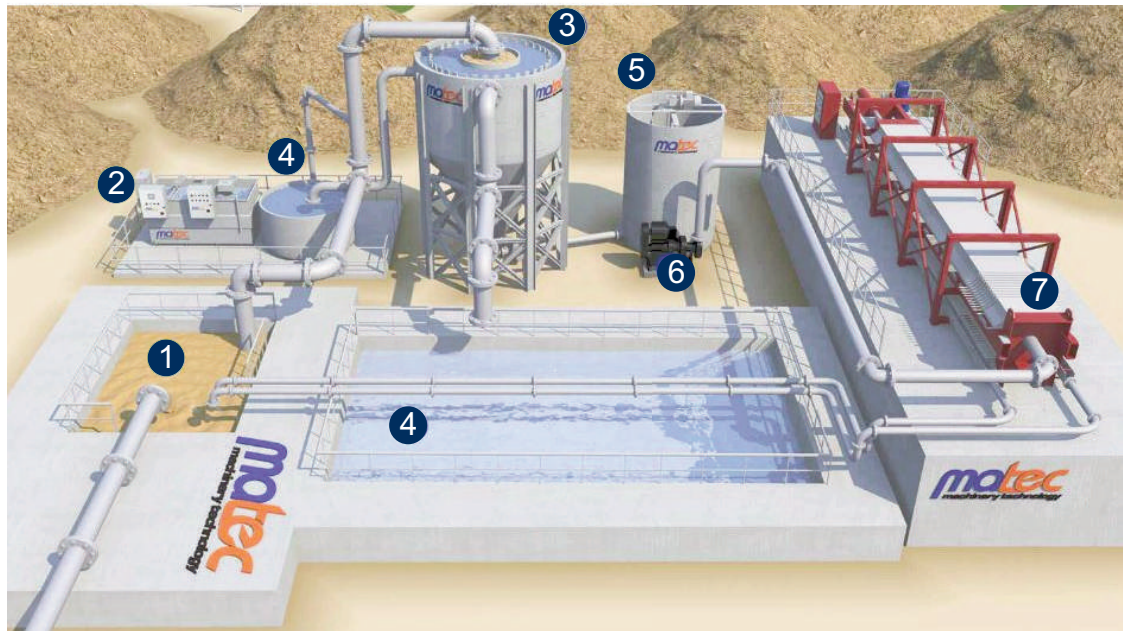
In marble, granite and stone working, either in quarries, workshops or stone processing factories, water has multiple applications. From cutting to polishing, water is necessary to avoid the over-heating of tools and reduce dust produced in various processes.

Then, water needs to be treated in order to be re-used in the closed production cycle or to be discharged in the environment safely. Matec America filter press is perfect to produce dry cakes with a 15% residual moisture and recover 99% of water, occupying the minimum amount of space.

PLANT DESCRIPTION

SECTION 6. WATER TREATMENT

- 1 Dirty Water Pit
- 2 Bifloc Flocculant station
- 3 Deep Cone Thickener
- 4 Clean Water Pit/Tank
- 5 Bifang Homogenizer Tank
- 6 HPT Pump
- 7 TT2 Fast Terrea Filter Press
1500x2000/200 plates



WATER TREATMENT PROCESS

- The water water from washing is collected into the dirty water tank 1
- The submersible pump sends the dirty water in the deep cone vertical thickener 3
- Flocculant prepared by the Bifloc 2 is injected in the dirty water pipe, before entering the vertical thickener 3
- Inside the thickener 3, the decantation process takes place.
- Purified water overflows from the top of the thickener 3 and ends into the clean water collecting pit/tank 4
- Residual mud is sent into the Bifang homogenizer tank 5
- The filter press 7 closes and the HTP pump 6 sends the mud into it.
- The New TT2 Fast opens the filter press 7 in sections and the dry cakes are discharged.

6.2



Water Treatment Systems

matec® WATER TREATMENT SYSTEM

Water filtration systems come in various sizes, from small start up plants, to major facilities. Check your water usage for each piece of equipment that you have and give us a call. We will be glad to quote a water filtration system for you.





Dehydrator

ABACO DEHYDRATOR

Abaco Dehydrator system is for fast collection and trapping of the abrasive mud produced by the machining and finishing of marble, granite and other stone. The Abaco dehydrator is an economical, one step method in separating and dewatering sludge treatment, water sludge and slurries. The dehydrator is constructed of stainless steel and consists of four basic components: pump, mud holding tank, clean water tray and filter bags. The Abaco dehydrator has no moving parts, requires minimal labor, is very economical to use and because it is made of stainless steel has extremely low maintenance.

Included:

- 4 Plastic Curtains
- 2 Stainless Steel Curtain Rods
- 1.5m Industrial Water Hose
- 3 Industrial Hose Clamps
- 20 Polypropylene Bags
- 1 Pit Cleaning Tool/Air Stick
- 1 Solid Rubber Drain Plug

*Economical
sludge solution*

Specifications:

- Power : 230V 60Hz (240V, 50Hz)
- Weekly Output : 22 cu. ft.
- Holding Tank Capacity : 550 liters
- Sump Pump : 6E-CIA-SFS-189 Imp or equal
- Float Switch : Piggy Back Mechanical Float Switch
- Bag Dimension : 350 dia. X 1200
- Flange for bag : 350 dia. Aluminum
- Fasteners : Stainless Steel
- Valves : 2" BSP Brass Nickel Plated
- 89 3/8" L x 23 5/8" W x 86 5/8" H
- Net Weight : 617 lbs



| DS Item # | Description |
|-----------|------------------|
| 25014484 | Abaco Dehydrator |

Replacement parts

| DS Item # | Description |
|-----------|--|
| 25014589 | BAGS FOR ABACO STAINLESS DEHYDRATOR |
| 24014724 | ABACO SLUDGE PUMP FOR DEHYDRATOR |
| 25014223 | RUBBER STRAPS FOR DEHYDRATOR (SET OF 5) |
| 25014594 | SET OF 5 COLLETS & ELASTIC FOR DEHYDRATOR BAGS |