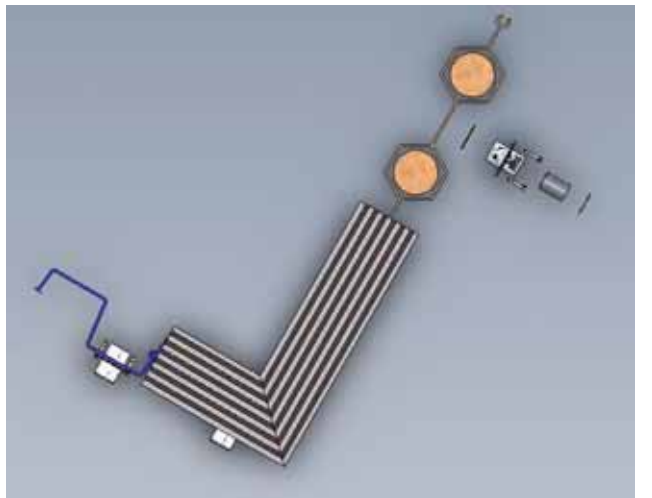
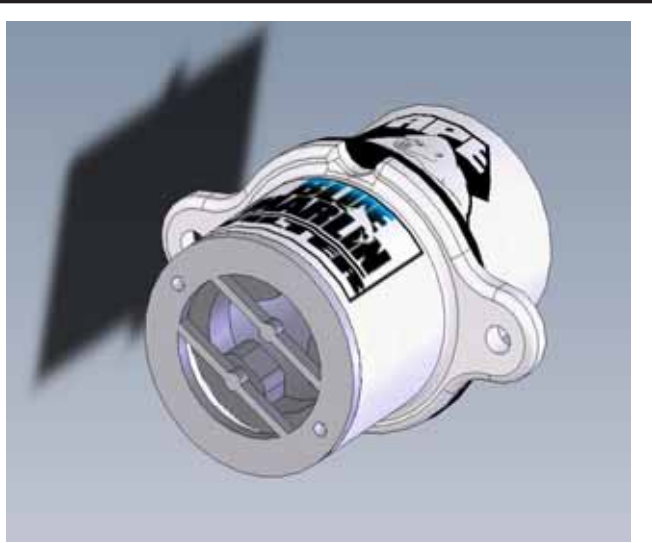


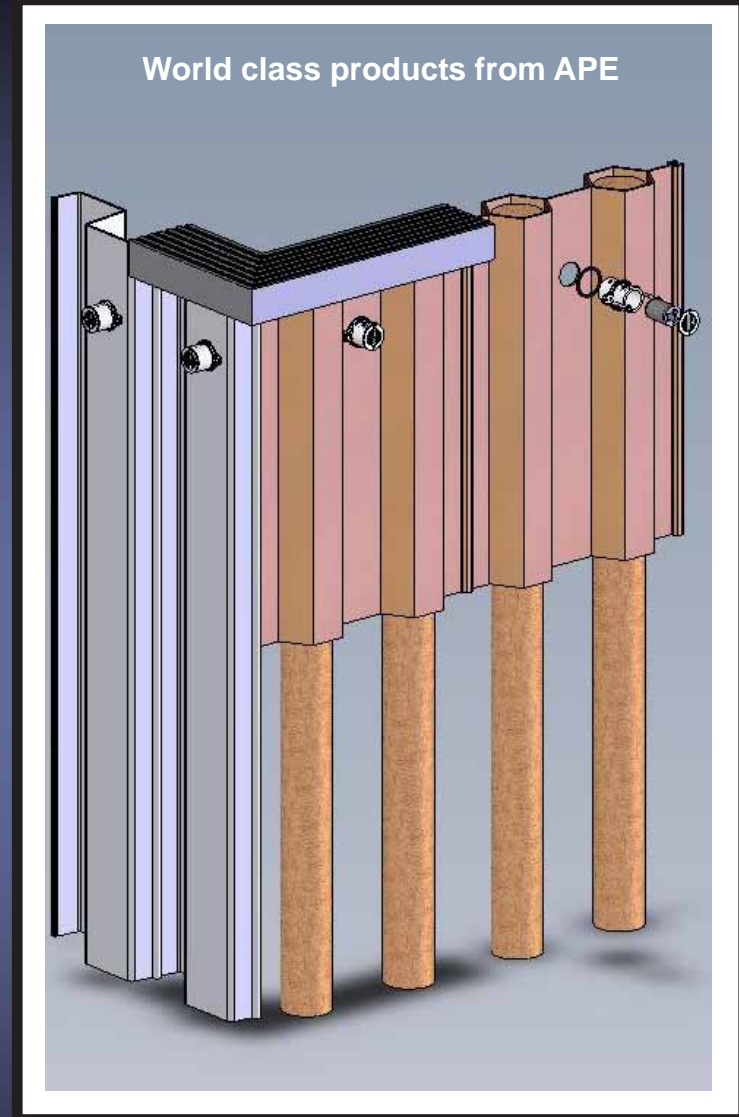
Advanced Pile Elements from APE



The Patented Blue Marlin Filter is a seawall erosion control drainage system.

It is used in both new and retrofit applications in seawalls, retaining walls, bulkheads, shoring and erosion control structures.

Designed and produced by a Marine Contractor, the Blue Marlin Filters are a great complement to APE's range of Plastic and composite piles.



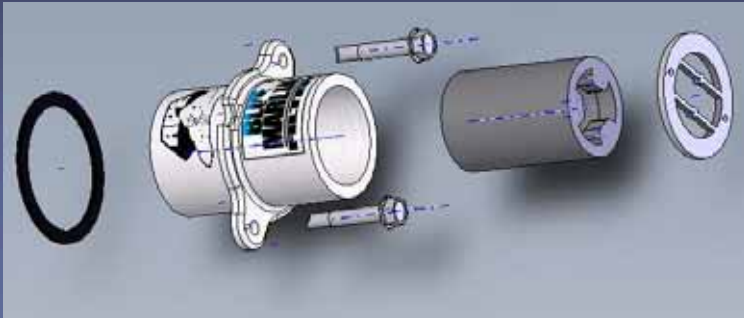
The Blue Marlin Filter System is unique in its design to prevent erosion of backfill materials, caused by transport of the fill material fines through the wall's weep holes and/or panel seams.

The hydrodynamic pressure of perched water and seepage water causes loss of landfill without the proper erosion control system.

The Blue Marlin Filter System relieves this pressure and has an unlimited design life. Blue Marlin's filter is also designed for both new and existing seawalls, retaining walls and bulkhead walls

NEW APPLICATIONS

In new applications, the system may be installed at the time of the construction of the wall. The location of the Blue Marlin Filter System may be chosen by the designer of the wall to best serve the purpose of relieving the hydrostatic and hydrodynamic pressures on the wall. This relief is important in that the design of most wall systems does not anticipate that the wall will be subject to pressures from perched or trapped water behind the wall in the backfill material. The Blue Marlin Filter is a two component system consisting of an ABS plastic cylinder permanently installed seawalls/bulkheads and a replaceable filter element tube which can be inserted, locked in and removed for replacement purposes by the filter assembly tool



Everything you need from one source

Plastic Sheet Piling

Mandrels

Pile drivers

Filters



The Blue Marlin Filter is made up of ABS UV protectant cylinders with a 50mm diameter available in various lengths. First, is the 75mm design made purely for the corrugated sheet piling. Second, is the 230mm design (blue in color) for concrete seawall panels and lastly, the 380mm design to be install for much wider seawall/bulkheads.

The 230mm and the 380mm displays a scale to install right at the back side of the seawall/bulkhead. These cylinders slide into the existing seawall weep holes.

The cylinders contain a sliding replaceable filter cartridge (with a marafi filter weave #SRW300) which is inserted through the seawall, with the filter fabric flush with the landward side of the seawall.

A special tool is used to insert the filter cartridge and to retrieve the filter cartridge for replacement purposes. With the Blue Marlin Filter, the fabric cartridges can be replaced periodically simply by retrieving the filter cartridge and replacing it with a fresh filter cartridge.

No longer is it needed to bring in heavy equipment, dredging from behind the seawall, replacing the filter fabric, backfilling the seawall and replacing the landscape materials.



Aldridge Piling Equipment

Tel 01543 277680 Fax 01543 270090

Email info@miniape.com www.miniape.com

