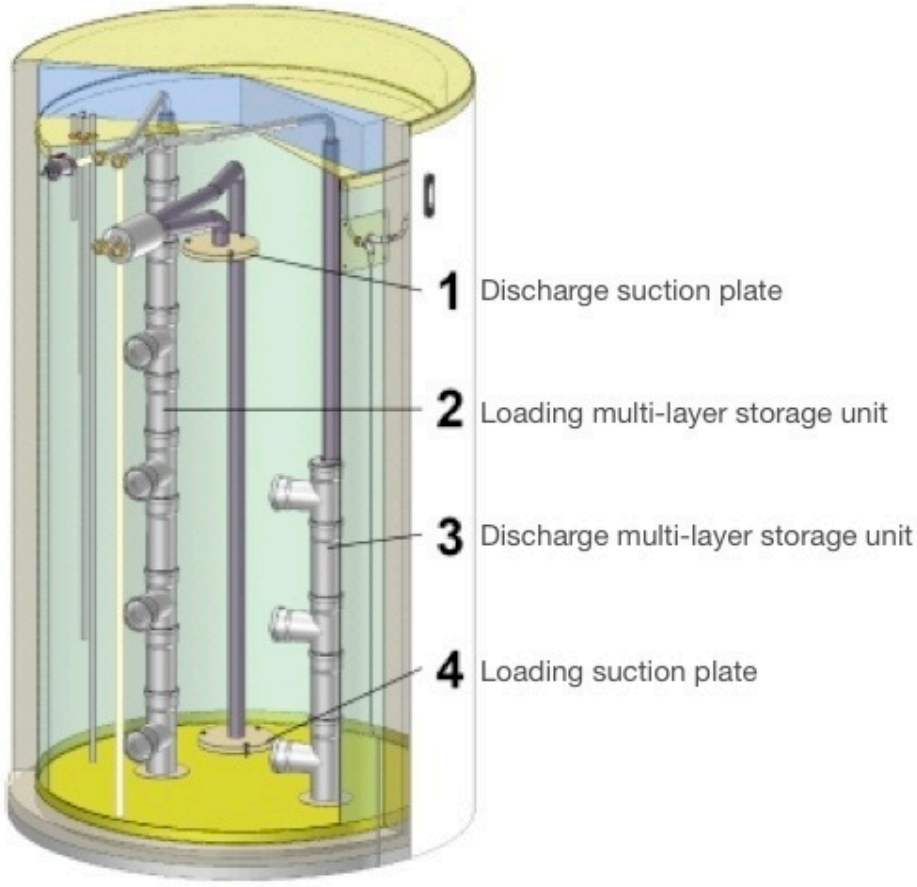
HAASE ENERGY TANK

Haase multi-layer storage system



The cold water is extracted by suction through the lower suction plate during loading , then heated and transferred to the multi-layer storage unit (2).
The multi-layer storage Tank facilitates the layering of the water, according to its temperature and/or density in the layer corresponding to its temperature. The hot water is extracted by suction through the upper suction plate during discharge, then cooled and transferred to the multi-layer storage unit (3).
This gives the cool water the opportunity to be layered in the lower portion of the Tank during recirculation. Due to the pressure-free operation of the Tank, external heat exchangers must be used for system separation.

Advantages:
By using the multi-layer storage Tank , even systems with comparatively low power can store their energy in a large Tanks , because the storage area is layered from top to bottom. The total system separation prevents mud accumulation in the storage vessel and permits a pressure-free storage design (no expansion vessel necessary).