

MARINFLOC Neptumatic MOC & Retro

Basic Principle and advantages

Neptumatic MOC & Retro Sewage Treatment Plants operate uses a chemical and physical principle. This is superior to the aerobic principle in all respects.

Treatment time and dimensions

For a chemical unit, the retention time is 2 – 4 hours and for a biological unit it is 20-24 hrs. This means 5 to 12 times more space is required for a biological unit to treat the same amount of waste water as for our Neptumatic.

Less power consumption

More power is often used for chemical units; but they only operate when there is incoming water to treat. Biological units must run 24 hrs a day to keep the biological micro organism alive.

Short start up time

Chemical units start up immediately, whereas biological units typically require 8 – 14 days to produce an active biological culture.

Sensitivities

Chemical activities are resistant to cleaning agents, acids, grease and other toxins that might be present, and which will kill biological micro-organisms. Chemical floatation sludge is less sensitive to vibrations than biological sedimentation sludge that might be dispersed with the cleaned outlet water, which then would be contaminated by the sludge.
