



Portable Silt Density Index (SDI) Test Kit

All Membrane manufactures recommend an SDI of less than 5 to prevent ***irreversible fouling*** of membranes.

In order to measure the degree of this fouling problem, a concept called Silt Density Index or SDI is used. Here filtration rates are calculated by exposing a 0.45-micron filter to the feed water under pressure and filtration rates are calculated. With Aquacorp's SDI test kits, you can get a clear measure of the degree of suspended solids and colloidal materials you have in your feed water.

In most cases, an SDI of less than 5 is considered acceptable for the reverse osmosis systems. Determining the SDI value, would be instrumental in investigating relevant water purified technology or device which under ASTM method 4189-95 is generally accepted.



About SDI kit

- Membrane holder MOC- Metal
- Membrane holder fitting- quick connect
- Rotating knobs to bleed air during testing.
- Flexible hose fitting

About SDI kit Membrane

- Material of 0.45 micron membrane: Mixed Cellulose Esters, hydrophilic
- Thickness of membrane: 85-110 um
- Diameter of membrane: 47 mm
- Integrity Test-water Bubble point @ 23 degrees C \geq 1500mbar

SDI Testing Application Include:

Scoping adequate pretreatment for membrane filtration plants (Nano, Micro, RO)

Ordering Part Numbers:

AQSDIKIT (complete kit as shown above, supplied with pack of 25 membrane papers)

AQSDIPAPER (replacement pack of 25 membrane papers)



Adelaide: Ph: 08 8234 9411
Brisbane: Ph: 07 3908 3333

Distributed By
AQUACORP
Melbourne: Ph: 03 8782 3757
Email: sales@aquacorp.com.au