

## DTRO Super High Pressure Disc Tubu RO Membrane Element

Application: Lanfill leachate and other high TSS waste water

### DTRO Membrane Element Specifications:

| Model   | SG-DTRO-H1                              | SG-DTRO-H2                              |
|---|---|---|
| Membrane type                                 | SW type                                 | SW type                                 |
| Membrane material                             | Polyamide composite                     | Polyamide composite                     |
| Membrane cushion qty.(pc)                     | 209                                     | 209                                     |
| Membrane element structure                    | Disc tube with GRP vessel               | Disc tube with GRP vessel               |
| Membrane effective area                       | 9.4m <sup>2</sup> (101ft <sup>2</sup> ) | 9.4m <sup>2</sup> (101ft <sup>2</sup> ) |
| Rejection(%) *                                | 99                                      | 99                                      |
| Lowest rejection(%)                           | 98                                      | 98                                      |
| Feed flow( l/h)                               | 500-1000 l/h                            | 500-1000 l/h                            |
| Permeate flow( l/h)                           | 80-350 l/h                              | 80-280 l/h                              |
| Disc material                                 | ABS                                     | ABS                                     |
| Max. feed side pressure drop:                 | 9bar                                    | 9bar                                    |
| Max. feed side operation pressure             | 120bar                                  | 160bar                                  |
| Max. operating temperature:                   | 40℃                                     | 40℃                                     |
| Allowable pH – continuous operation:          | 6-9                                     | 6-9                                     |
| Allowable pH – short term cleaning @40℃ range | 2-12                                    | 2-12                                    |
| Free chlorine tolerance                       | ≤0.1ppm                                 | ≤0.1ppm                                 |
| Water inlet and outlet connection (mm)        | 12 swagelock                            | 12 swagelock                            |
| Permeate connection (mm)                      | 9 (hosepipe connection)                 | 9 (hosepipe connection)                 |

Note: Performance data above is the normal value. The actual permeate flux of individual module may be in ±15% range.  
Test conditions: RO: NaCl 32,000.mg/L @55.2 bar.

### DTRO Membrane Element Dimensions

