

DTRO High Pressure Disc Tubu RO Membrane Element

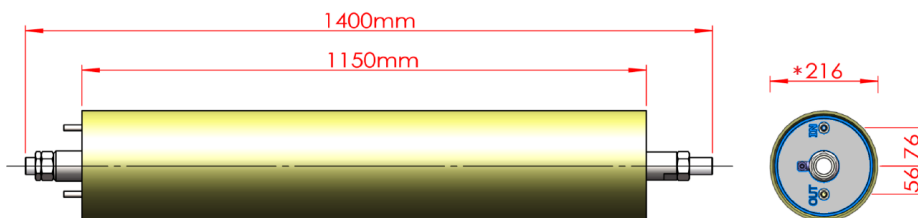
Application: Lanfill leachate and other high TSS waste water

DTRO Membrane Element Specifications:

Model	SG-DTRO-1	SG-DTRO-2
Membrane type	BW 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 ² (101ft ²)	9.4m ² (101ft ²)
Rejection(%) *	98	99
Lowest rejection(%)	95	98
Feed flow(l/h)	500-1000 l/h	500-1000 l/h
Permeate flow(l/h)	80-450 l/h	80-350 l/h
Disc material	ABS	ABS
Max. feed side pressure drop:	9bar	9bar
Max. feed side operation pressure	75bar	90bar
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 coupling hose pipe	9 coupling hose pipe

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



* SG-DTRO-1 size is 216mm, SG-DTRO-2 size is 220mm.