

## STRO Membrane Element

Features: Spiral High Pressure, High Rejection, Open Spacer.

Applications: Landfill Leachate & Other High TSS Water.

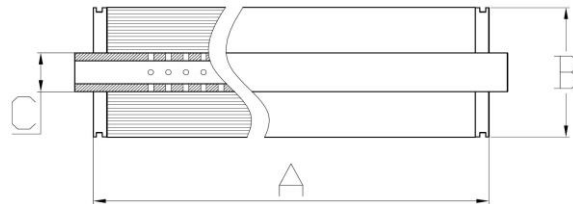
### STRO Membrane Element Specification

Model	SG-STRO1-8042	SG-STRO4-8042
Membrane Sheet Type	RO1	RO4
Membrane Material	Polyamide	Polyamide
Effective Membrane Area	26.5m <sup>2</sup> (285ft <sup>2</sup> )	26.5m <sup>2</sup> (285ft <sup>2</sup> )
Construction *	Spiral Wound Element with GRP Outerwrap, Brine Seal	Spiral Wound Element with GRP Outerwrap, Brine Seal
Applications	High TSS water	High TSS water
Feed Flow Rate Range	5.5-12m <sup>3</sup> /h	5.5-12m <sup>3</sup> /h
Recommended Feed Flow Rate	10m <sup>3</sup> /h	10m <sup>3</sup> /h
Permeate Flow Rate	30m <sup>3</sup> /d	18m <sup>3</sup> /d
Nominal Rejection **	98%	99.5%
Minimum Rejection	97.5%	99%
Feed Spacer	Special open type	Special open type
Element Dry Weight	15kg	15kgs
Max. Element Pressure Drop	0.7bar	0.7bar
Max. Operation Pressure	75bar	90bar
Max. Operation Temperature	40°C	40°C
pH continuous	3-11	3-11
pH CIP	2-12	2-12
Chlorine Tolerance	≤0.1ppm	≤0.1ppm

\*Brine seal to be installed in flow direction on the low pressure side/element outlet side.

\*\* Performance specifications shown are nominal values. Individual module permeate flow rate may vary based on inlet water condition. RO1 test condition: 2,000mg/l NaCl solution at 15.5bar applied pressure, 15% recovery, 25°C, pH=8; RO4 test condition: 32,000mg/l NaCl solution at 55.2bar applied pressure, 15% recovery, 25°C, pH=8.

### STRO Membrane Element Dimensions



Model	SG-STRO-8042
Element Total Length ("A")	1016mm (40inch)
Element Diameter ("B")	200mm (7.8inch)
Permeate Tube Outer Diameter ("C")	60.325mm (2.375inch)

### STRO Membrane Module Dimensions

