


**SCM-CARTRIDGE FILTER UNIT**


The Scomi Equipment Inc (SEI) Cartridge Filtration Unit is the most commonly used cartridge filter unit in the oilfield industry. This offshore proof, skid-mounted filter unit is equipped with all necessary valves and safety features. The unit offers the most cost effective way to clean-up all possible oilfield fluids. It allows you to simultaneously filter with one vessel, and easily change out the used cartridges of the other vessel.

**APPLICATIONS**

- Completion fluids
- Water injection
- Produced water
- Seawater intake
- Oily water clean up
- Diesel
- Pre-filtration RO

**FILTER UNIT RANGE**

- SEI 610-50/40
- SEI 610-50/40-P
- SEI 610-50/40-4B
- SEI 610-4B
- SEI 510-30/40
- Other types, including single vessel units, upon request

**FEATURES & BENEFITS**

- Standard serial/parallel configuration
- Standard SEI 610 type: 50 cartridges per vessel
- Compact space saving design
- Innovative push lever and swing-away vessel lid, easy to operate
- Swing-bolts and nuts for quick opening
- Self-sealing, service friendly cover gasket
- All 4 inch valves easy to operate
- Certified hoisting slings lifting lugs and forklift pockets
- Safety valve set at 7 bar (105 psi)
- Offshore DNV 2.7.1frame

**SPECIFICATIONS**

<b>General</b>	
Model	SCM-Cartridge Filter Unit
Number of cartridges per vessel	50 cartridges
Maximum recommended flow	18 bbl/min (143 m3/hr)
Maximum working pressure	7 bar (105 Psi)
Maximum working temperature	158 °F (70 °C)
Vessel design	PED
Material wetted parts	SS 316 L
Cartridge diameter	2.5" (63.5 mm)
Cartridge length	40" (101.6 cm) plug in type
Vessel diameter	24" (610 mm)
Pipe size	4"
Pressure relief valve	1" bronze, set point 7 bar (105 psi)
Instruments	in/outlet pressure gauge (0-10 bar/0-150 psi)
Lid seal	NBR
Vessel lid	Lever operated swing away
<b>Connections</b>	
In-/ outlet	4" union fig.100 inch on 4" NPT-M / 4" camlock
Drain/ vent	1" SS 316 ball valve with 1"BSP-F
Main Valves	4" Butterfly valve, NBR seat, SS disc
<b>Dimensions</b>	
Length	7.38 ft (2.25 m)
Width	3.94 ft (1.20 m)
Height	7.22 ft (2.20 m)
<b>Weight</b>	
Net	3,085 lbs (1,400 kg)
<b>Construction Frame</b>	
Material frame	Carbon steel, powder coated
Design code frame	EN 12079/ DNV 2.7.1
Lifting	Hoisting slings (certified) and forklift pockets

**OPTIONAL**

- ASME VIII / DNV / TUV / Stoomwezen certified
- High pressure design
- Other Construction materials
- Other cartridge configurations
- Other manifold size and connection types
- Combination unit, integrated bag filter option
- Vessel linings: rubber, epoxy, glass flake, PU

