

65-N and 160-N

Nominal wound depth filter cartridges

APPLICATIONS

- Completion fluids
- Workover fluid
- Fracturing fluids
- Acids and alkali conditioning
- Mineral and silicone oil conditioning
- Produced water treatments
- Bilge water and runoff water treatments

ADVANTAGES

- Precision-wound filters manufactured for considerable dirt holding
- Low pressure drop across the element
- High flowthrough rates

Designed for oilfield and industrial applications, M-I SWACO nominal filters have a high variable-solids-loading tolerance to deliver extended life cycle performance. The 65-N and 160-N nominal depth filter cartridges have rigid structural integrity combined with uniform graduated void spacing that provide superior pressure dropoff rates, helping to ensure high flowthrough rates while retaining dirt loading on the surface and within the matrix of the element.

The filter cartridges are manufactured from extruded polypropylene and polyester. The polypropylene enables optimal attraction of free oils, and the polyester elements are excellent for initial filtration of mineral and hydraulic oils.



Nominal wound depth filter cartridges.

Specifications

Nominal rating, um	5–200 um
True-graded elements effectiveness, um	5–200 um
Filter media materials	Polypropylene and polyester
Core and cap material	
65-N	Polypropylene (others upon request)
160-N	Stainless steel core
Filter diameter, in [cm]	2.5 [6.5] and 6.3 [16.0]
Filter length, in [cm]	39.6 [100.5] (others on request)
Seal materials	Buna, nitrile, Neoprene, and Viton® fluoroelastomer
Dirt loading (holding) efficiency, lbm [g]	
65-N	1.87 [850]
160-N	17.64 [8,000]

Recommended Operating Conditions

Maximum temperature, degF [degC]	176 [80]
Flow rate, galUS/min [L/min]	
39.6-in-long 65-N	15.85 [60]
39.6-in-long 160-N	79.25 [300]
Recommended changeout differential pressure, psi [MPa]	37 [0.25]
Maximum recommended changeout pressure, psi [MPa]	79.77 [0.55]