

# 65-A and 160-A

## Absolute-rated pleated filter cartridges

### ADVANTAGES

- 100% thermally welded with no adhesives used
- Uniform pore size resulting in 99.98% removal efficiency (Beta 5,000)
- One-piece rigid outer cage that provides media protection and structural strength

M-I SWACO borosilicate absolute-rated glass-fiber elements are precision manufactured using computer numerically controlled (CNC) technology and a fusion of high-quality three-ply materials. The result is efficient elements that are suited for a wide range of applications. Our filter cartridges have a high-retention surface area, delivering superior pressure dropoff rates, flow rates, and dirt retention.

65-A and 160-A filter elements are available in absolute micron ratings from 0.5 to 50  $\mu\text{m}$ . For project-specific demands, such as high temperatures and highly corrosive liquids, we offer in-house engineering to design and construct elements tailored to achieve objectives. All absolute-rated filter elements from M-I SWACO are rated to Beta 5,000, delivering a 99.98% efficiency in particulate removal.



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### Specifications

Absolute rating, $\mu\text{m}$	0.5 to 50
Absolute Beta rating	5,000
Filter media materials	Microglass fiber, polypropylene, and cellulose
Core and cap material	Polypropylene
Filter diameter, in [cm]	2.5 [6.5] and 6.3 [16.0]
Filter length, <sup>†</sup> in [cm]	39.6 [100.5]
Seal materials	Buna, nitrile, Neoprene, ethylene propylene diene monomer (EPDM), and Viton <sup>®</sup> fluoroelastomer
Dirt retention, lbm [g]	
65-A	2.20 [1,000]
160-A	18.74 [8,500]

### Recommended Operating Conditions

Maximum temperature at 20-psi [0.14-MPa] differential pressure, degF [degC]	179.6 [82]
Flow rate, galUS/min [L/min]	
39.6-in-long 65-A	13 [50]
39.6-in-long 160-A	110 [416]
Recommended changeout differential pressure, psi [MPa]	37 [0.25]
Maximum recommended changeout pressure, psi [MPa]	79.77 [0.55]

<sup>†</sup> Other lengths available upon request