

Separator element Type 60...

The fuel flows from the coalescer element and enters the separator element from outside to inside. The separator element is manufactured from hydrophobic material and is designed to repel small water droplets that may be carried over from the coalescer element. These small water droplets are retained on the separator element surface until they combine with other droplets and become large enough to fall because of the higher density of water into the water collection sump.



Microscopic view of separator surface



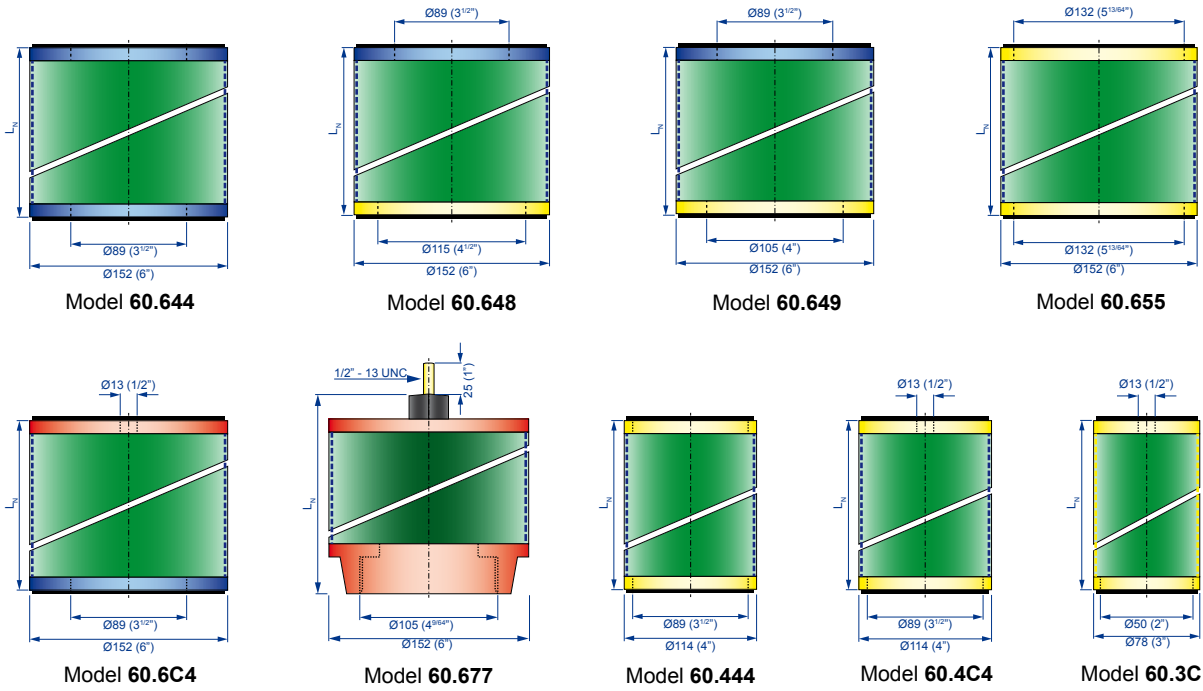
Standard design

Permanent Reusable (Version /D ^{1&2})	
Effective water barrier	
Tested and approved to spec.	EI 1581, 5th. Edition Category C, Type S & S-LW EI 1581, 3rd. Edition Group II Class A, B and C
Admissible operating temperature	-30°C - +80°C
Flow direction	out to in
Separator screen	/D = Teflon® coated stainless steel mesh /P = Treated fine screen synthetic mesh
Material of end caps	see page 2
Material of inner tube	see page 2
Labeling of end caps	acc. to EI specification (date of manufacturing, ID-number, etc.)
Seals	NBR (Buna-N®)

¹ Depending on regular cleaning and inspection with each replacement of 1st stage elements!
Please see our datasheet „handling separators“ for further information.

² Small defects on the screen can be repaired with our Separator Repair Kit. Please see datasheet „DS-Z-15.1 for further information.

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Article description:

60.644-565/D

Material: inner tube & end caps

- Polyamide
- - - Carbon steel (coated)
- - - Stainless steel

Type

60 For aviation fuels

Diameter

3	Outer Ø 3" (78 mm)
4	Outer Ø 4" (114 mm)
6	Outer Ø 6" (152 mm)

End cap top (marked)

4	Inner Ø 89 mm
5	Inner Ø 132 mm
7	Closed (with threat bolt 1/2" UNC)
C	Closed (with hole 13 mm)

Additions

D	Teflonized stainless steel mesh
P	Synthetic mesh (plastic)

Nominal length L_N in mm (without seals)

179	235	279	300	362	407	430	526	565
600	626	700	727	756	820	842	900	965
1012	1093	1130	1204	1226	1244	1290	1422	

End cap bottom

1	Inner Ø 50 mm
3	Inner Ø 40,5 mm
4	Inner Ø 89 mm
5	Inner Ø 132 mm
7	Screw thread
8	Inner Ø 115 mm
9	Inner Ø 105 mm

Torques

open end models



Screw/threaded based model (60.677)



		Model 60.xxx						
7 Nm	6C4							
15 Nm	644	648	649	655	444	4C4	3C1	

Conversion table

ft/lbs	inch/lbs	kg/m	Nm
5	62	0.71	7
11	128	1.50	15
16	193	2.25	22
25	300	3.50	34