

# FAUDI COALESCER ELEMENTS

◆ **TESTED AND APPROVED TO EI1581, 5TH EDITION, CAT. C, TYPE S & S-LW FOR USE ON AVIATION FUELS**

◆ **NOMINAL FILTRATION 1 MICRON**

◆ **CHANGE OUT DIFFERENTIAL PRESSURE 1.1 BAR (15 PSI)**

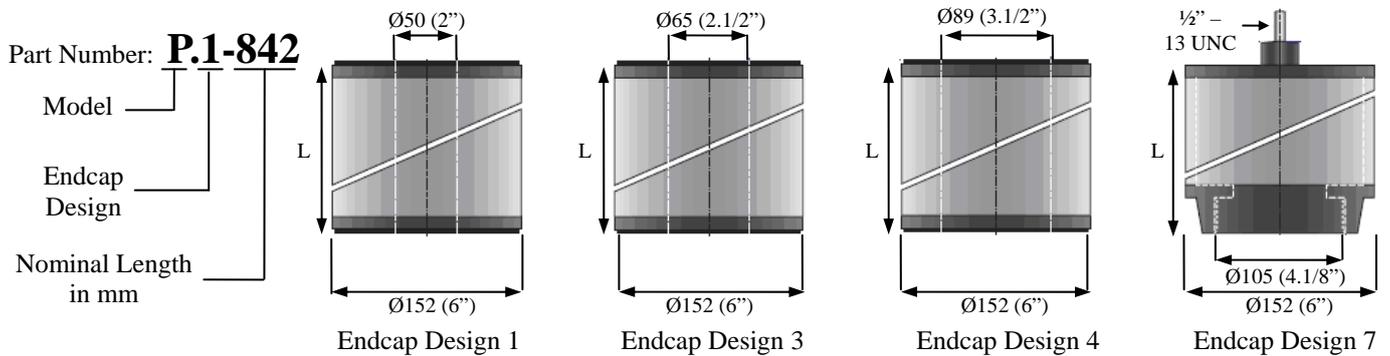


## Introduction.

Coalescers are the first stage of filter water separators (FWS) which are used in the fuel distribution supply network. The flow direction is from in to out whereby the fuel moves through the pleated paper and any water is attracted to the polar fibres. When enough water has gathered on any one strand the flow of fuel dislodges the water which falls to the FWS sump. Water can be extremely dangerous when found in aviation fuel, coalescers are therefore a crucial part of fuel filtration.

## Description.

The standard coalescer is constructed from an inner tube made of epoxy coated steel, a pleated paper section for filtration, a support tube, a coalescer wrap and finally a cotton sock. These layers ensure that the coalescer is sturdy and provides the best filtration possible. The end caps are made from glass fibre reinforced polyamide and are stamped according to the EI standards with date of manufacture and ID number. NBR (Buna-N) end seals are fitted.



Flat Seal (Open Ended)				Screw/Thread Based			
Nominal Length L		Endcap Design			Nominal Length L		Endcap Design
mm	inches	1	3	4	mm	inches	7
285	11		P.3-279	P.4-279			
369	14		P.3-362	P.4-362	351	14	P.7-362
473	18		P.3-467	P.4-467			P.7-467
565	22		P.3-559	P.4-559	565	22	P.7-559
733	28		P.3-727	P.4-727	705	27	P.7-727
848	33	P.1-842	P.3-842	P.4-842	834	33	P.7-842
971	38		P.3-965	P.4-965	965	38	P.7-965
1099	43		P.3-1093	P.4-1093	1114	43	P.7-1093
1428	56		P.3-1422	P.4-1422	1418	56	P.7-1422

# FAUDI SEPARATOR ELEMENTS

- ◆ TESTED AND APPROVED TO EI1581 5TH EDITION, CAT. C, TYPE S & S-LW FOR AVIATION FUELS
- ◆ TESTED AND APPROVED TO EI1581 3RD EDITION GROUP II CLASS A, B & C FOR AVIATION FUELS
- ◆ EFFECTIVE WATER BARRIER
- ◆ PERMANENT AND REUSEABLE

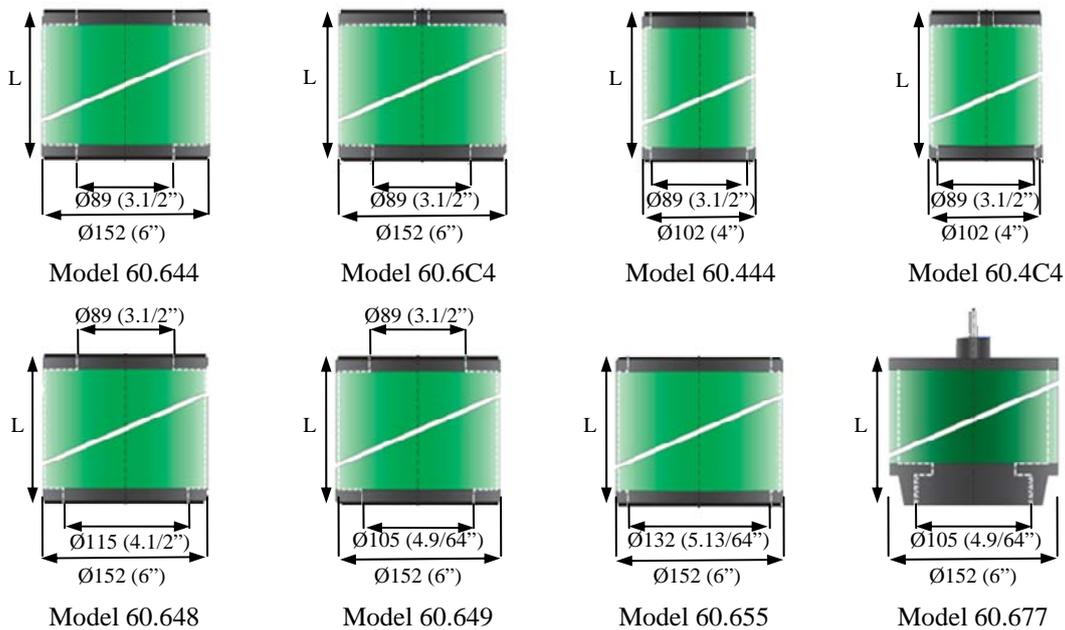


## Introduction.

Separators are the second stage of filter water separators (FWS) which are used in the fuel distribution supply network. The flow direction is from out to in whereby they act as an effective water barrier. The fuel moves through hydrophobic material but the water collects on the surface until the droplets formed are large enough to fall to the sump of the FWS. The design of the covering material also stops the small water particles that may have not been collected at the coalescer stage.

## Description.

Separators are constructed from an epoxy coated steel inner tube which is then covered with a separator screen. This screen can be made from either a Teflon coated Stainless Steel mesh or a synthetic plastic mesh. The end caps are made from glass fibre reinforced polyamide and are stamped according to the EI standards with date of manufacture and ID number. NBR (Buna-N) end seals are fitted.



Part Number: **60.644-565/D**

**Type**  
 60 Aviation Fuels

**Outer Diameter**  
 4 4" (100mm)  
 6 6" (152mm)

**Top End Cap**  
 3 Inner Ø 40.5mm  
 4 Inner Ø 89mm  
 5 Inner Ø 132mm  
 7 Closed with bolt 1/2" UNC  
 C Closed with hole Ø 13mm

**Additions**  
 D Teflon coated Stainless Steel mesh  
 P Synthetic mesh (plastic)

**Length L in mm**

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

**Bottom End Cap**  
 3 Inner Ø 40.5mm  
 4 Inner Ø 89mm  
 5 Inner Ø 132mm  
 7 Screw thread  
 8 Inner Ø 115mm  
 9 Inner Ø 105mm