

Category M Coalescer Separator housings are for Military JP-8 or JP-5 fuel. Type S-LW qualification can be used for mobile applications where minimum amounts of water and dirt in the product are expected. Facet HCS Series Horizontal Coalescer Separator housings fully comply with EI 1581, Category M, Type S-LW requirements.

RELIABLE PERFORMANCE

Facet coalescer separators are a result of over 50 years of continuous research and development to meet the ever demanding performance requirements in the aviation fuel handling industry. This, along with proven field performance, demonstrates Facet's ability to provide quality products that meet current specifications as well as specific customer requirements for installations in refineries, bulk storage, terminals, heliports, airports, etc.

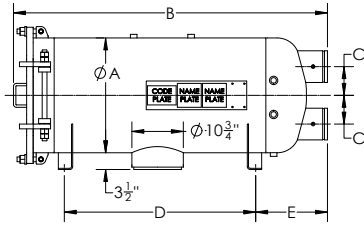
STANDARD HOUSING DESIGN

- EI 1596 Design & Construction
- Welded carbon steel construction—other materials available on request
- ASME Code, Section VIII construction, stamped and certified
- Design pressure: 150 psi @ 250°F—other design pressures available on request
- Inlet, outlet and drain connections permanently marked
- Interior: Epoxy coated (MIL-PRF-4556)
- Exterior: Prime coated
- Swing bolt head closures
- Hinged end opening cover
- Victaulic inlet and outlet connections
- Buna-N o-ring closure seal
- Choice of rod or screw base coalescer cartridge mounting styles
- Knife edge cartridge mounting seals
- 4" inlet/outlet cleanout/inspection connections (when permitted by design)
- Spider plate attached to vessel wall

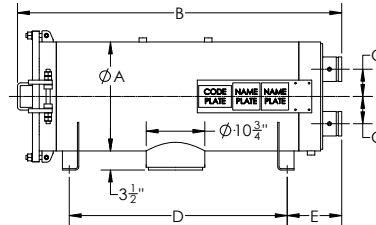
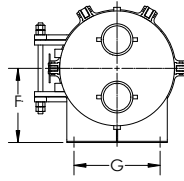
OPTIONS

- Water defense system*
- Automatic air eliminator with check valve*
- Pressure relief valve*
- Differential pressure gauge*
- Pilot control valve
- Blind cover for pilot control mounting flange
- Sampling probes

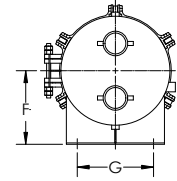
(* Mandatory for 5th Edition)



STYLE A



STYLE B



DATA

MODEL NUMBER ⁽¹⁾	FLOW RATE		REQUIRED CARTRIDGES				HOUSING LIQUID VOLUME		HOUSING DRY WEIGHT		HOUSING TYPE
	AVIATION FUEL		COALESCERS		SEPARATORS		gals.	ltrs.	lbs.	kgs.	
	API 1581, CATEGORY C, TYPE S-LW		qty.	model	qty.	model					
	gpm	lpm									
HCS-322-1424	157	594	3	CM-22SB-5	1	SM-424FB-5	27	102	350	159	Style B - Flat
HCS-333-1436	243	920	3	CM-33SB-5	1	SM-436FB-5	33	125	375	170	Style B - Flat
HCS-438-138	302	1143	4	CM-38SB-5	1	SM-38FF-5	73	276	700	318	Style B - Flat
HCS-456-229	478	1809	4	CM-56SB-5	2	SM-29FB-5	127	481	900	408	Style A - Dished
HCS-556-236	605	2290	5	CM-56SB-5	2	SM-36FF-5	150	568	1125	510	Style A - Dished

Other sizes available on request.

DIMENSIONS

MODEL NUMBER ⁽¹⁾	INLET/OUTLET DIAMETER		DIMENSIONS ⁽²⁾													
			A		B		C		D		E		F		G	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
HCS-322-1424	3	76	16	406	39 ³ / ₄	1010	5	127	21	533	9 ³ / ₄	248	11 ¹ / ₂	292	11	279
HCS-333-1436	3	76	16	406	50 ¹ / ₂	1283	5	127	28	711	10 ³ / ₄	273	11 ¹ / ₂	292	11	279
HCS-438-138	3	76	22	559	57 ¹ / ₄	1454	6	152	34	864	10 ³ / ₄	273	14 ¹ / ₂	368	16	406
HCS-456-229	4	102	24	610	77 ¹ / ₂	1969	6	152	52	1321	15	381	15 ¹ / ₂	394	18	457
HCS-556-236	6	152	26	660	77 ¹ / ₂	1969	7	178	52	1321	15	381	16 ¹ / ₂	419	19	483

REFERENCE NOTES:

- (1) Model numbers include housing and required cartridge mounting.
- (2) Dimensions are approximate and should not be used for installation purposes.

NOTES:

- a. All elements are mounted against knife edge seals.
- b. Nameplate to be stamped with EI classified data.
- c. Inlet chamber to be hydrostatic tested at 115 psi.
- d. Coalescer cartridges are offered with a choice of rod or screw base mounting. The suffix "SB" will be added to the coalescer model number when screw base is required.

Example: CM-33-5 = Rod Mount
CM-33SB-5 = Screw Base