

Category M Coalescer Separator housings are for Military JP-8 or JP-5 fuel. Type S qualifications can be used at all filtration points in an aviation fueling system. Type S is meant to be used at filtration points where significant levels of water and dirt in the product can be expected. Facet HCS Series Horizontal Coalescer Separator housings fully comply with EI 1581, Category M, Type S 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.

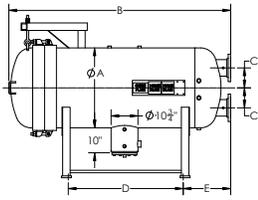
STANDARD HOUSING DESIGN

- 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
- Flanged inlet and outlet connections
- Buna-N o-ring closure seal
- Choice of rod or screw base coalescer cartridge mounting styles
- 4" inlet/outlet cleanout/inspection connections (when permitted by design)
- Knife edge cartridge mounting seals
- Spider plate attached to vessel wall

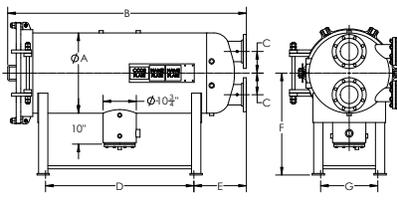
OPTIONS

- Automatic air eliminator with check valve*
- Pressure relief valve*
- Differential pressure gauge*
- Pilot control valve
- Pilot tester
- Water slug control valve
- Electrical water-level alarm
- Water drain valves
- Liquid level gauge
- Blind cover for pilot control mounting flange
- Immersion heaters
- Sampling probes

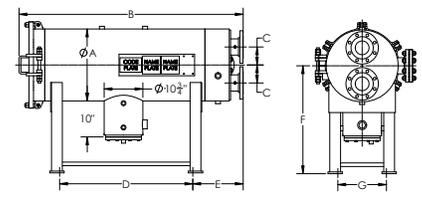
(* Mandatory for 5th Edition)



STYLE A



STYLE B



STYLE C

DATA

MODEL NUMBER ⁽¹⁾	FLOW RATE		REQUIRED CARTRIDGES				HOUSING LIQUID VOLUME		HOUSING DRY WEIGHT		HOUSING TYPE
	AVIATION FUEL EI 1581, CATEGORY M, TYPE S		COALESCER		SEPARATOR*		gals.	ltrs.	lbs.	kgs.	
	gpm	lpm	qty.	model	qty.	model					
HCS-322-1424	157	594	3	CM-22SB-5	1	SM-424FB-5	29	110	500	227	Style C - Flat
HCS-333-1436	243	920	3	CM-33SB-5	1	SM-436FB-5	38	144	550	249	Style C - Flat
HCS-438-138	302	1143	4	CM-38SB-5	1	SM-38FF-5	80	303	850	386	Style C - Flat
HCS-456-229	478	1809	4	CM-56SB-5	2	SM-29FB-5	129	488	1050	476	Style B - Dished
HCS-556-236	605	2290	5	CM-56SB-5	2	SM-36FF-5	151	572	1325	601	Style B - Dished
HCS-756-248	808	3059	7	CM-56SB-5	2	SM-48FF-5	226	856	1600	726	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	39¾	1010	5	127	16	406	13½	343	28	711	10	254
HCS-333-1436	3	76	16	406	50½	1283	5	127	26	660	14	356	28	711	10	254
HCS-438-138	3	76	22	559	57¼	1454	6	152	32	813	14	356	31	787	13½	343
HCS-456-229	4	102	24	610	77½	1969	6	152	48	1219	15	381	32	813	16½	419
HCS-556-236	6	152	26	660	77¼	1969	7	178	48	1219	17	432	33	838	18½	470
HCS-756-248	6	152	32	813	75¾	1924	8	203	33	838	19	483	36	914	24	610

REFERENCE NOTES:

- (1) Model numbers include housing style 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 (793 kPa).
- 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