

Category C Coalescer Separator housings are for commercial aviation fuel. Type S-LW qualifications can be used for mobile applications where minimum amounts of water and dirt in the product are expected. Facet HCS-M (side open) Series Horizontal Coalescer Separator housings fully comply with EI 1581, Category C, 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.

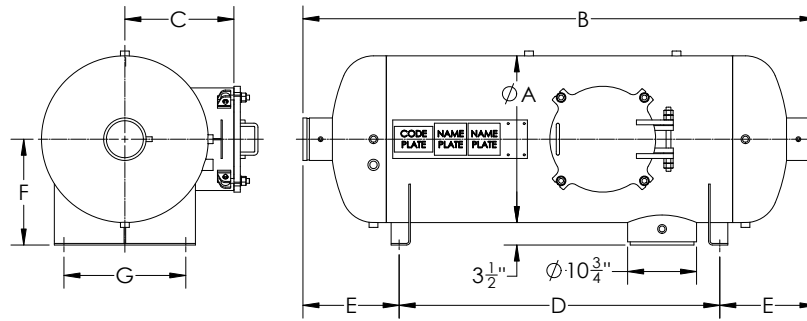
STANDARD HOUSING DESIGN

- 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 Manway
- 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)



DATA

MODEL NUMBER	FLOW RATE		REQUIRED CARTRIDGES				HOUSING LIQUID VOLUME		HOUSING DRY WEIGHT		HOUSING TYPE
	AVIATION FUEL EI 1581, CATEGORY C, TYPE S-LW		COALESCERS		SEPARATORS		gals.	ltrs.	lbs.	kgs.	
	gpm	lpm	qty.	model	qty.	model					
HCS-M-428-39	320	1211	4	CAA28-5SB	3	SS609FF-5	70	265	575	261	Dished
HCS-M-528-39	400	1514	5	CAA28-5SB	3	SS609FF-5	90	341	625	283	Dished
HCS-M-633-49	533	2018	6	CAA33-5SB	4	SS609FF-5	115	435	725	329	Dished
HCS-M-733-59	667	2525	7	CAA33-5SB	5	SS609FF-5	140	530	800	363	Dished
HCS-M-1028-69	800	3028	10	CAA28-5SB	6	SS609FF-5	150	568	850	386	Dished
HCS-M-1233-89	1050	3975	12	CAA33-5SB	8	SS609FF-5	220	833	1025	465	Dished

Other sizes available on request.

DIMENSIONS

MODEL NUMBER	INLET/OUTLET DIAMETER		DIMENSIONS ⁽³⁾													
			A		B		C		D		E		F		G	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
HCS-M-428-39	4	102	18	457	76	1930	13	330	50	1270	13	330	12½	318	12	305
HCS-M-528-39	4	102	20	508	77	1956	14	356	50	1270	13½	343	13½	343	14	356
HCS-M-633-49	6	152	22	559	83	2108	15	381	55	1397	14	356	14½	368	16	406
HCS-M-733-59	6	152	24	610	84	2134	16	406	55	1397	14½	368	15½	394	18	457
HCS-M-1028-69	6	152	26	660	80	2032	17	432	50	1270	15	381	16½	419	19	483
HCS-M-1233-89	6	152	30	762	87	2210	19	483	55	1397	16	406	18½	470	23	584

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.