

## Series HCS API / IP 1581 5th Ed. Type S, Cat. M



FACET TWO-STAGE HORIZONTAL COALESCER SEPARATORS MEET THE FIFTH EDITION OF API/IP 1581, TYPE "S", CATEGORY "M" PERFORMANCE SPECIFICATIONS

Facet HCS Series two-stage horizontal coalescer separator housings are mechanical devices to filter solids and separate water from fuels where water content is a problem. They have been qualified after full-scale, witnessed testing to the Fifth Edition of API/IP Bulletin 1581. Using Facet high quality coalescer and separator cartridges, the best water and solids removal is provided.

### 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

- Welded carbon steel construction -other materials available on request
- ASME Code, Section VIII construction, stamped and certified or "CE" marked
- Design pressure: 150 psi (1034 kPa) at 250°F (121°C) - other design pressures available on request
- Interior: Epoxy coated
- Exterior: Primer coated
- Swing bolt head closures
- Flanged or 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
- Automatic air eliminator with check valve
- Pressure relief valve
- Differential pressure gauge
- Spider plate attached to vessel wall
- Pilot control valve
- Blind cover for pilot control mounting flange
- Sampling probe
- 4" (102 mm) inlet/outlet cleanout chambers Hinged manway cover

### STANDARD UNITS

"CE" stamp (ASME stamp as option)

Material: certified carbon steel

Design pressures:

10.5 bar (150 psi) - 115 °C (240 °F)

21 bar (285 psi) - 37 °C (100 °F)

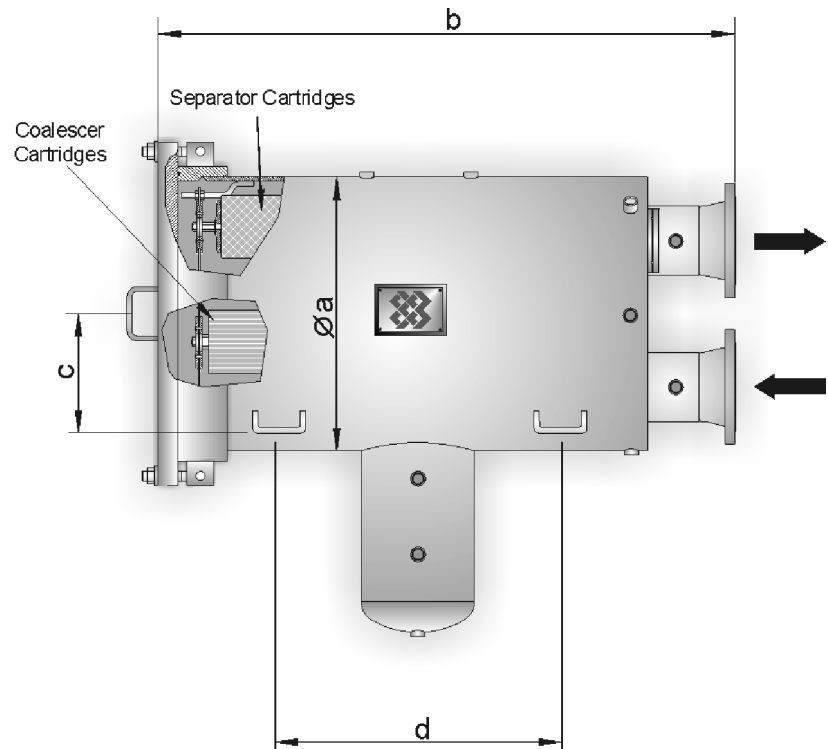
Paint: epoxy MIL-C-4556E (internal)  
universal primer (external)

### OPTIONS

- air eliminator
- differential pressure gauge
- liquid level gauge
- pressure relief valve
- pilot control valve
- automatic drain valve
- drain valves
- sample valves

Other pressures, construction materials,  
quick closure on request.

Flanges and couplings: ANSI, DIN, ...  
(on request)



MODEL	DIMENSIONS (mm)			
	ø a	b	c	d
HCS-222-114	406	1025	102	450
HCS-228-116	406	1175	102	490
HCS-328-124	457	1190	114	500

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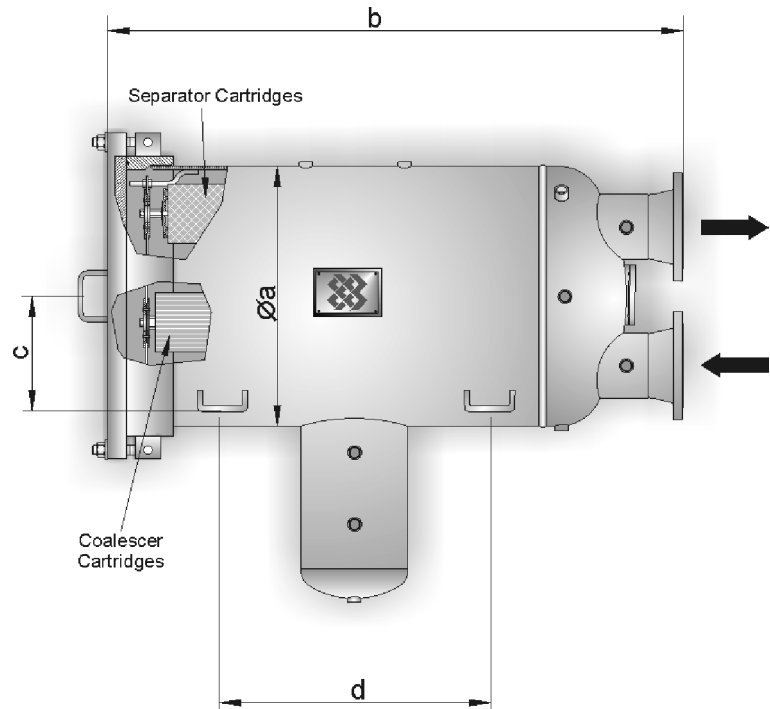
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MODEL	DIMENSIONS (mm)			
	Ø a	b	c	d
HCS-433-222	558	1350	140	570
HCS-533-224	558	1350	140	570
HCS-633-229	610	1360	153	580
HCS-638-233	660	1495	165	650
HCS-643-238	660	1650	165	725
HCS-556-243	660	1950	165	875
HCS-743-330	686	1660	172	730
HCS-656-333	660	1950	165	875
HCS-756-338	686	1955	172	875
HCS-856-343	762	1975	191	890

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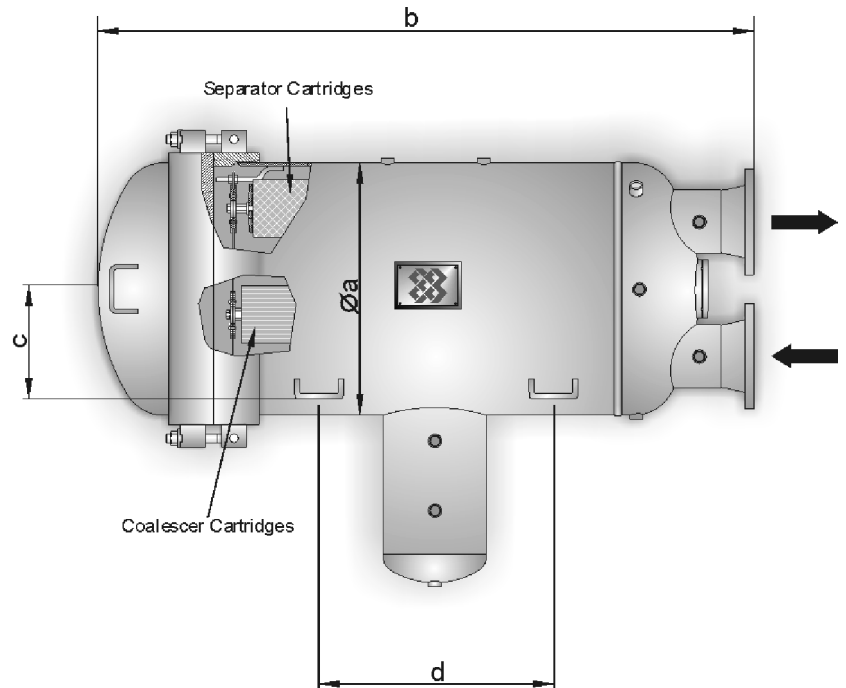
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MODEL	DIMENSIONS (mm)			
	Ø a	b	c	d
HCS-956-348	813	2360	203	835
HCS-1056-443	813	2360	203	835
HCS-1156-448	864	2400	216	860
HCS-1256-448	914	2435	229	860