

Facet HP Series single-stage water coalescers, commonly referred to as repack or hay pack housings, are horizontal, cylindrically shaped housings designed to protect filtration systems from gross amounts of water and solid contaminants. Facet recommends using their wafer style repack coalescers since they allow the first two sections to be replaced when required. The third and successive sections require fewer change outs since they may remain relatively free of solids.

Coalescing first starts as the product enters the vessel. Due to the substantially reduced velocity, free water will fall out by gravity. While the product progresses through the mass packed media, further coalescing occurs by impingement of water droplets on the media. At the same time, solids tend to fall out as the liquid enters the housing at a reduced velocity, but are further removed by filtration as the flow continues through the mass media.

All Facet HP Series single-stage water coalescer housings are built to ASME Code, Section VIII, with many standard and optional accessories available to facilitate individual installation requirements.

Facet HP Series single-stage coalescers use wafer repacks to remove gross amounts of water and solids from fuel. They are available in several standard sizes to accommodate flows from 10 to

2000 gpm (38 to 7570 lpm). They provide protection to filtration systems from gross amounts of water and solids that are commonly carried through inbound transport pipelines.

HP Series housings offer an option of using coalescer cartridges for more efficient solids separation and liquid-liquid water separation. Use of an adaptor kit permits returning to the use of repacks at any time.

HP Series housings have no internal moving parts and are designed for easy servicing, thereby reducing maintenance costs. Each housing is manufactured with quality workmanship and materials to give long-lasting and dependable service.

## STANDARD HOUSING DESIGN

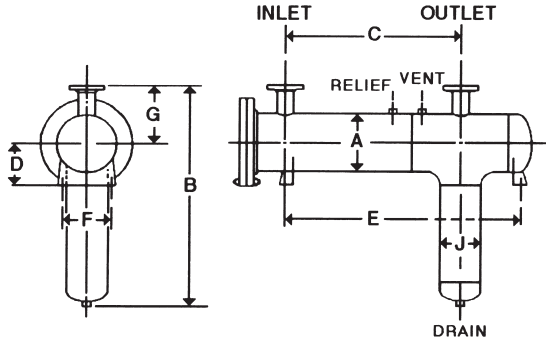
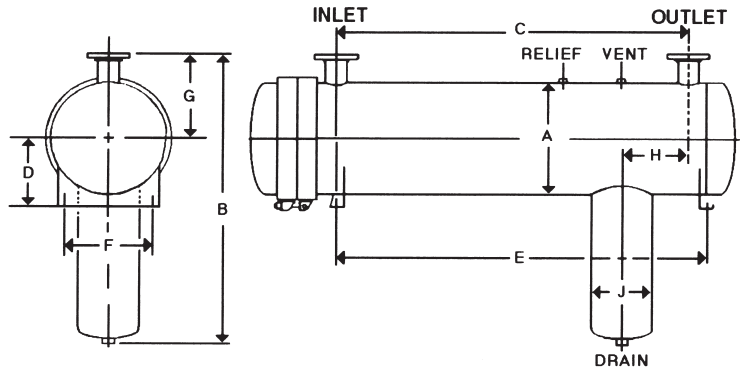
- Welded carbon steel construction
- ASME Code, Section VIII construction, stamped and certified
- Design pressure: 150 psi @ 250°F
- Housing closure
  - Blind cover on housings less than 14" (356 mm) OD
  - Swing bolt closure on housings 14" (356 mm) OD and larger
- Housing covers
  - Removable on housings up to 14" (356 mm) OD
  - Hinged on housings 14" (356 mm) thru 36" (914 mm) OD
  - Rotating davits on housings 42" (1067 mm) OD and larger
- Buna-N closure gasket—other material available on request
- Exterior: Prime coated
- Saddle supports for pier mounting

## STANDARD CONNECTIONS

- Inlet and outlet: 150# RF (ANSI) flanged
- All other connections are 3000# NPT female type couplings

## OPTIONS

- Steel stands available
- Internal epoxy coating


**STYLE A**

**STYLE B**

## DATA

MODEL NUMBER	FLOW RATES <sup>(1)</sup>		LIQUID VOLUME		SHIPPING WEIGHT		CONNECTIONS									
							INLET/OUTLET DIAMETER		VENT AND RELIEF		DRAIN		LEVEL GAUGE		LEVEL CONTROL	
	gpm	lpm	gals.	ltrs.	lbs.	kgs.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
<b>STYLE A</b>																
HP-10	6	23	2.4	9	150	68	1	25	½	13	½	13	¾	19	¾	19
HP-25	15	57	10.0	38	310	141	1½	38	½	13	½	13	¾	19	¾	19
HP-50	26	98	18.2	69	345	156	1½	38	½	13	¾	19	¾	19	¾	19
HP-100	60	227	46.6	176	1550	703	3	76	¾	19	¾	19	¾	19	1	25
<b>STYLE B</b>																
HP-150	100	379	77.7	294	1815	824	3	76	¾	19	¾	19	¾	19	1½	38
HP-200	155	587	152.0	575	2100	954	3	76	1	25	1	25	¾	19	1½	38
HP-300	225	852	201.6	763	2300	1045	4	102	1	25	1½	38	¾	19	1½	38
HP-500	350	1325	313.4	1186	3100	1407	6	152	1	25	1½	38	¾	19	1½	38
HP-750	510	1930	610.5	2310	4000	1816	6	152	1½	38	2	51	¾	19	1½	38
HP-1000	720	2725	742.6	2810	4600	2088	8	203	1½	38	2	51	¾	19	2	51
HP-1500	940	3558	969.0	3668	5200	2361	8	203	1½	38	2	51	¾	19	2	51
HP-1800	1200	4542	1428.0	5405	6200	2815	10	254	1½	38	2	51	¾	19	2	51
HP-2000	1425	5394	2116.8	8012	8000	3632	10	254	1½	38	2	51	¾	19	2	51

All dimensions, weights and volumes are approximate and are for estimating purposes only.

## DIMENSIONS

MODEL NUMBER	DIMENSIONS																	
	A		B		C		D		E		F		G		H		J	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
<b>STYLE A</b>																		
HP-10	4½	114	35½	892	24	610	5	127	30¼	768	8	203	8	203	--	--	4½	114
HP-25	6⅝	168	37½	953	33	838	6	152	41	1041	6	152	9	229	--	--	6⅝	168
HP-50	8⅝	219	44½	1130	35½	902	7	178	48½	1232	8	203	10	254	--	--	8⅝	219
HP-100	12¾	324	47	1193	48	1219	9	229	60½	1537	10	254	12	305	--	--	8⅝	219
<b>STYLE B</b>																		
HP-150	16	406	51	1295	60	1524	11	279	66	1676	11	279	14	356	4	102	8⅝	219
HP-200	20	508	56	1422	72	1829	13	330	78	1981	14	356	16	406	9	229	12¾	324
HP-300	24	610	60	1524	75	1905	15	381	81	2057	18	457	18	457	9	229	12¾	324
HP-500	30	762	69¾	1772	80	2032	18½	470	77½	1968	23	584	21	533	12	305	14	356
HP-750	36	914	82½	2095	92	2337	21	559	98	2489	28	711	24	610	12	305	16	406
HP-1000	42	1067	91	2311	106	2692	24	610	114	2896	32	813	27	686	12	305	16	406
HP-1500	48	1219	95	2413	120	3048	27	686	128	3251	38	965	30	762	12	305	20	508
HP-1800	54	1372	110	2794	132	3353	30	762	142	3607	42	1067	33	838	10	254	20	508
HP-2000	60	1524	119	3023	144	3658	30	762	154	3912	48	1219	36	914	10	254	20	508