

CORRUGATED PLATE INTERCEPTOR

OVERVIEW

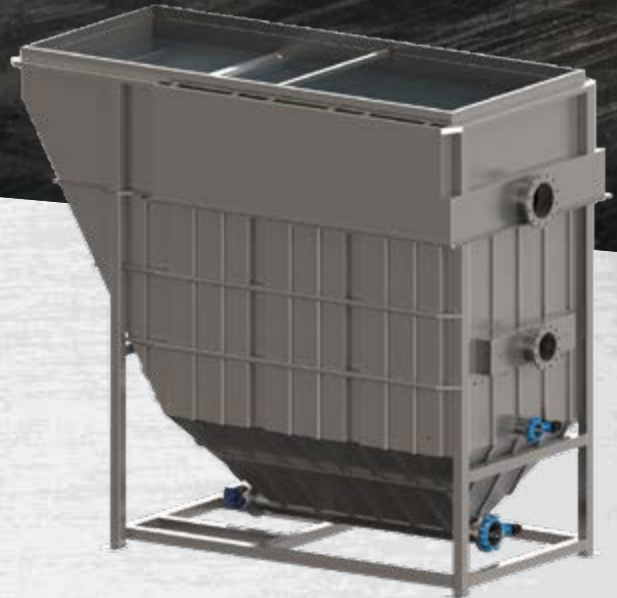
The Corrugated Plate Interceptor (CPI) is a high-rate oil/water separator suited for a variety of industrial applications.

As in all JWC separation systems, CPI units are built for operator friendliness. Simple maintenance, minimal moving parts, and process resiliency are all hallmarks of JWC's CPI design approach.

CPI units can be fitted with a rotating skimmer (RS) or a static skimmer (SS). Models are available in flow capacities up to 6,000 gpm and are constructed of 304 or 316 stainless steel.

Applications for CPI systems:

- Frac flowback
- Produced water
- Steam condensate
- Crude refineries
- Natural gas processors
- Blending terminals
- Truck and rail stations
- Distributors



CPI with Static Pipe Skimmer





CPI with Rotating Skimmer

SYSTEM DETAILS

1. Skimmer Assembly
2. Float Sludge Hopper
3. Stainless Steel Tank
4. Settled Sludge Outlet
5. Settled Sludge Auger
6. Effluent Clearwell



CPI (RS) Model	Flow Rate - gpm (m ³ /hr)	Free Area - sq-ft (m ²)	Effective Area - sq-ft (m ²)	Dry Weight - lbs (kg)	Wet Weight - lbs (kg)	Dimensions - LxWxH (LxWxH in m)
CPI-1	24 (5,5)	5.5 (0,5)	32 (3)	960 (435)	1,880 (854)	6'10" x 3' x 6'5" (2,08 x 1,22 x 1,96)
CPI-3	42 (9,5)	7 (0,65)	65 (6)	1,930 (875)	4,430 (2.010)	7'6" x 3' x 7'10" (2,29 x 1,22 x 2,39)
CPI-5	82 (20)	15 (1,4)	129 (12)	3,200(1.454)	9,900 (4.500)	8' x 8' x 4'10" (2,62 x 2,44 x 2,80)
CPI-15	165 (37,5)	33 (3)	258 (24)	5,200(2.364)	19,000 (8.620)	9' x 8' x 10'4" (2,74 x 2,44 x 3,15)
CPI-30	330 (75)	52 (4,8)	517 (48)	6,800(3.090)	27,000 (12.250)	13' x 8' x 10'4" (3,78 x 2,44 x 3,15)
CPI-45	495 (112)	78 (7,2)	776 (72)	8,400(3.818)	37,500 (17.010)	16'4" x 8' x 10'4" (4,98 x 2,44 x 3,15)
CPI-60	660 (150)	65 (6)	1,034 (96)	9,500(4.318)	48,000(21.818)	15' x 8' x 14'9" (4,37 x 2,44 x 4,50)
CPI-90	990 (225)	87 (8)	1,550 (144)	12,000(5.455)	64,900(29.500)	18'3" x 8' x 14'9" (5,38 x 2,44 x 4,50)
CPI-120	1,320 (300)	108 (10)	2,067 (192)	15,000(6.818)	78,773 (35.730)	21'6" x 8' x 14'9" (6,40 x 2,44 x 4,50)
CPI-150	1,650 (375)	130 (12)	2,584 (240)	19,600(8.909)	96,350 (43.705)	25' x 8' x 14'9" (7,36 x 2,44 x 4,50)
CPI-180	1,980 (450)	151 (14)	3,101(288)	22,500(10.227)	132,940 (60.300)	28'2" x 8' x 14'9" (8,38 x 2,44 x 4,50)

* All models available in static skimmer (SS) or rotating skimmer (RS) configurations.

** Consult JWC Environmental as values may vary based on process circumstances



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