

CPE C100 MD CENTRIFUGAL PUMP ASSEMBLY (3/4 - 1 1/2 HP)

FOR CRAFT FOOD AND BEVERAGE INDUSTRIES

PUMPS

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HOSES

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HEAT EXCHANGERS

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FLOW METERS

-

GASKETS

-

VALVES

-

FITTINGS

-

THERMOMETERS

-

PORTABLE SYSTEMS

-

AND MORE



Technical Specifications



Materials

Parts in contact w/ product:	Stainless steel AISI 304
Other steel parts:	Stainless steel AISI 304
Gaskets in contact w/ product:	EPDM

Mechanical seal

Rotary Seal:	Carbon
Stationary Seal:	Stainless steel
Gaskets:	EPDM
Surface finish:	Bright polish
Motor:	S.S Premium Efficiency Nema C Face

Operating limits

Nominal pressure:	5bar 60 PSI
Temperature range:	14 °F to 248 °F 284 °F (SIP, max. 30 min.)

Maximum flow:	50 m ³ /h 70US GPM
Maximum differential head:	21 m 60 ft
Maximum speed:	3500 rpm

Port Connection

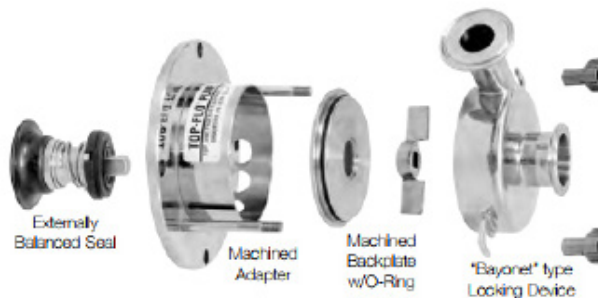
Come standard with M Tri-Clamp style connections. but we can provide any connection style possible. Including Acme Bevel Seat Thread, NPT, Flanged or Weld.

Model	Inlet Opt.	Outlet Opt.	Max Impeller
C100	1 1/2"	1"	3.68"
C114	1 1/2" - 2"	1 1/2"	4"
C216	2"	1 1/2"	6"
C218	2" - 3"	1 1/2"	8"
C328	3" - 4"	2"	8"

C-series (Close Coupled) Centrifugal Pumps are the most common pumps used in Craft Breweries. Our C-Series is made in North America, 3A approved and provides high capacity at a low price. They feature heavy duty stainless steel construction with a stainless steel washdown motor that make cleaning easier and if well maintained, will last a lifetime. These pumps will give you years of excellent service and when needed, replacement parts are interchangeable with most major brands of sanitary C-series pumps.



HorsePower	Flow Rate	Head
1/2 HP	45 GPM	50 ft.
3/4 HP	60 GPM	55 ft.
1 HP	70 GPM	55 ft.





Variable Speed Controller

Horsepower	3/4 to 1 1/2
1Ø Input	115/230 VAC, 50/60 Hz
3Ø Input	230 VAC, 50/60 Hz
3Ø Output	230 VAC, 50/60 Hz
Enclosure	NEMA-4X/IV-65
Dimensions approx.	
3/4 to 1 HP	9.5" X 5.5" X 5.9"
1 1/2 HP	9.8" X 7.6" X 7.3"



Our AC VFDs provide variable speed for AC Induction motors from 1/8 through to 3 horsepower. They are available in 115, 208/230, and 400/460 VAC - 50/60 Hz with 1ph and 3ph input. All KB's AC Drives contain Sensorless Flux Vector Compensation with Static-Auto-Tune. This provides excellent speed regulation from zero to full load over a wide frequency range. These drives provide auto energy savings at light loads and smooth motor torque operation.

Features

- Sensorless Flux Vector Control
- Run/Fault Relay Output Contacts
- Ride-Through momentary power loss
- Short Circuit Protection, phase to phase
- Digital Display with LED Status Indicators
- Undervoltage and Overvoltage Protection
- Holding Torque at Zero Speed in "Stop" mode
- Electronic Inrush Current Limit (EICLTM) Protection
- Rugged Die-Cast Aluminum Enclosure with hinged cover
- Regeneration eliminates tripping
- Powerful 200% Starting Torque
- Built-in Potentiometer
- Jog-Local Remote

Pump Cart



Made in Canada

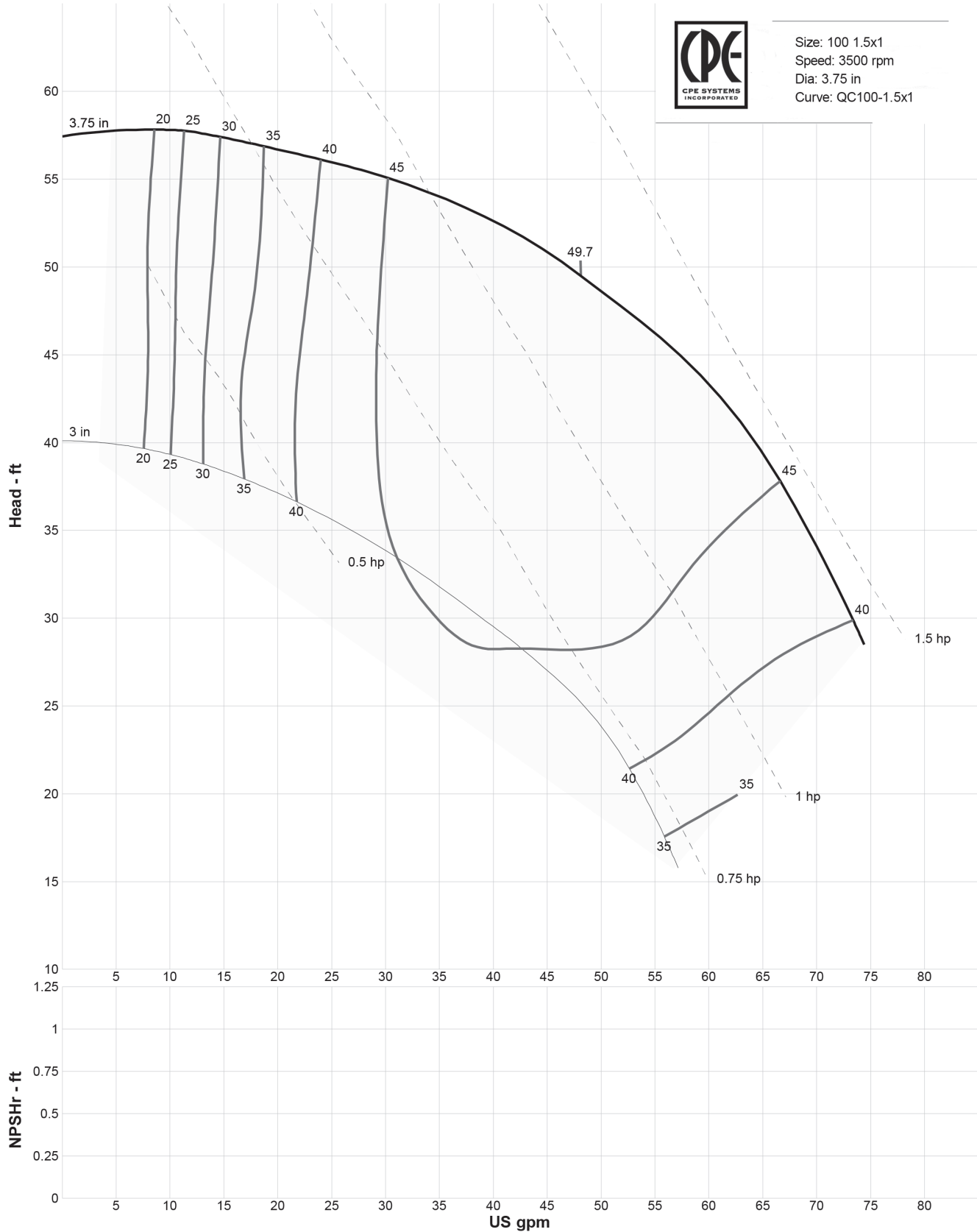
Custom designed for the craft food and beverage industry, this is our smallest pump cart built for pumps up to 2HP. This cart is ergonomic, tilt draining, has a small footprint and has easy maneuverability. All parts hand welded in Canada for quality assurance and durability.

Material

Frame	16 ga stainless steel square tube
Handle	16 ga stainless steel square tube
Platform	14 ga Stainless steel AISI 304
Axle	1/2 ga Stainless steel rod axle
Wheels	5" non marking neoprene wheels with sliding pin clips



Pump Capacity Curves





Viscosity and Specific Gravity Table

Product	Specific Gravity	Viscosity
Acetic Acid		
5%	1.01	
10%	1.01	31.7 SSU @ 59°F
50%	1.06	33 SSU @ 59°F
80%	1.08	35 SSU @ 59°F
Animal Fat	0.9	130 SSU @ 115°F 50 SSU @ 200°F
Barbecue Sauce	1.05	11,500 SSU @ 40-75°F
Beer	1.02	32 SSU @ 68°F
Blood - Animal	.93-.98	15,000 SSU @ 55°F
Butter	.93-.98	15,000 SSU @ 55°F 440 SSU @ 90°F 220 SSU @ 115°F
Coconut Oil	0.92	125 SSU @ 106°F
Corn Oil	0.92	135 SSU @ 130°F 54 SSU @ 212°F
Corn Starch Solutions		
22 Baume	1.18	150 SSU @ 70°F 130 SSU @ 100°F
24 Baume	1.2	600 SSU @ 70°F 440 SSU @ 100°F
25 Baume	1.21	1400 SSU @ 70°F 800 SSU @ 100°F
Cottage Cheese	1.02	4,300 SSU
Dressing		
Cream (Sweet)	1	73 SSU
	.99	140 SSU
	.99	215 SSU
Egg Yolk	1.12	21,500 @ 35°F
Gelatin	1.01	1,380 - 2,580 SSU @ 160°F
Glucose	1.35 - 1.44	35M - 100M SSU @ 100°F 4M - 11M @ 150°F

Product	Specific Gravity	Viscosity
Honey	1.3	1250 - 1425 SSU @ 100°F
Ice Cream Mix	1.15	1050 SSU @ 46°F
Lard	0.96	287 @ 100°F
Linseed Oil	.92-.94	143 @ 100°F 93 @ 130°F
Malt Syrup	1.41	85,400 SSU @ 77°F
Maple Syrup	1.37	2,000 SSU @ 68°F
Margarine	0.93	13,900 SSU @ 84°F
Milk	1.02 - 1.05	31.5 @ 68°F
Molasses		
A. First	1.4 - 1.46	1300 - 23,500 SSU @ 100°F 700 - 8160 SSU @ 130°F
B. Second	1.43 - 1.48	6535 - 61,180 SSU @ 100°F 3058 - 15294 SSU @ 130°F
C. Blackstrap	1.46 - 1.49	12,190 - 255M @ 100°F
Mustard	1	17,000 SSU @ 85°F
Olive Oil	.91 - .92	200 SSU @ 100°F
Peanut Butter	1.2	77,400 SSU @ 110 - 140°F
Sesame Seed Oil	0.92	184 SSU @ 100°F 110 @ 130°F
Soy Bean Oil	0.91	500 SSU @ 44°F
Tomato Paste	1.14	60M - 80 M SSU 21M SSU approx.
Water	1	31 SSU @ 68°F