

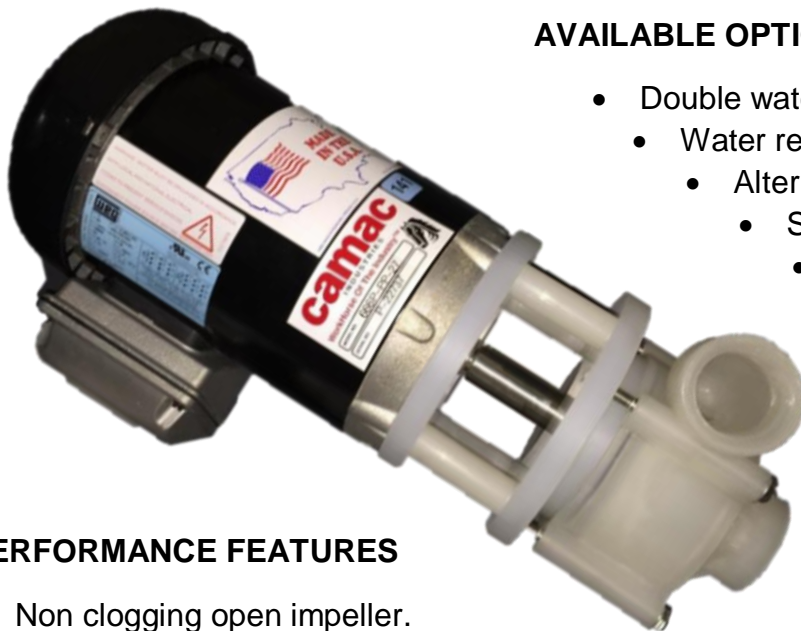
PVDF (Kynar®) and Polypropylene transfer pumps

CORROSION PROOF FEATURES

Maximum protection against corrosion and contamination is provided by the all PVDF(Kynar®)/Polypropylene construction of these CAMAC transfer pumps. Corrosive acids, strong alkaline solutions and plating solutions never come in contact with metal. The corrosion proof PVDF(Kynar®) or Polypropylene provides good resistance to most acids and caustics at continuous service temperature often up to 300°F (149°C) with PVDF(Kynar®) and 180°F (82°C) with polypropylene. (Chemical make-up may affect temperature ratings, consult factory.)

AVAILABLE OPTIONS

- Double water flushed seals.
- Water regulating kit.
- Alternative seal materials.
- Special duty motors.
 - Custom increased psig output available through impeller blade enhancement.
- Close coupled.
- Outboard mounted.



PERFORMANCE FEATURES

- Non clogging open impeller.
- No metal parts come in contact with solution being pumped.
- Suitable for use with all plating solutions.
- Inlet and outlet nozzles are threaded connections.

MODEL	PORTS	HP	MAXIMUM FLOW	MAXIMUM HEAD
165	1 1/4" x 1 1/4"	1/2	45 GPM	28 FT HD
166	1 1/2" x 1 1/2"	1/2	85 GPM	17 FT HD
365	1 1/4" x 1 1/4"	3/4	65 GPM	36 FT HD
366	1 1/4" x 1 1/4"	1	67 GPM	43 FT HD
665	1 1/2" x 1 1/2"	1 1/2	80 GPM	47 FT HD
666	1 1/2" x 1 1/4"	2	110 GPM	60 FT HD

Models

165P (1/2 hp 3500 rpm)
 166P (1/2 hp 1750 rpm)
 365P (3/4 hp 3500 rpm)
 366P (1 hp 3500 rpm)
 665P (1-1/2 hp 3500 rpm)
 666P (2 hp 3500 rpm)

Maximum fluid pressure on inlet is 40 psi.

PUMP MODEL	A	B	C	D	SUCTION DISCHARGE
165P-365P- 366P	18"	2-1/4"	7-3/8"	2-5/16"	1-1/4" NPT
166P-665P- 666P	19"	2-3/8"	7-5/8"	3"	1-1/2" NPT

ITEM NO.	PARTS NO. (add. mater suffix)	DESCRIPTION
1	31P- (add suffix)	Volute Case (165P, 365P or 666P)
2	11P- (add suffix)	Volute Case (166P, 665P or 666P)
3	13CP- (add suffix)	Seal Plug - Water Flushed
3A	27CP- (add suffix)	Seal Plug - Type 27
4	27P- (add suffix)	Internal Bellows Type Seal
5	17P- (add suffix)	Double Mechanical Seal
6	18P- (add suffix)	Seal Cap
7	10P- (add suffix)	Impeller (165P)
7A	12P- (add suffix)	Impeller (166P)
8	32P- (add suffix)	Impeller (366P)
8A	33P- (add suffix)	Impeller (365P)
9	125P- (add suffix)	Impeller (665P)
9A	126P- (add suffix)	Impeller (666P)
10	19P- (add suffix)	Stainless Cap Screw (4)
11	15 E	Mounting Bracket
12	15GH	Mount Screws (4)
13	20P- (add suffix)	Gasket
E1	—	Motor 1/2 H.P. — 1750 RPM 230/460/3/60 TEFC (For model 166P)
E1A	—	Motor 1/2 H.P. — 3500 RPM 230/460/3/60 TEFC (For model 165P)
E2	—	Motor 3/4 H.P. — 3500 RPM 230/460/3/60 TEFC (For model 365P)
E2A	—	Motor 1 H.P. — 3500 RPM 230/460/3/60 TEFC (For model 366P)
E3	—	Motor 1-1/2 H.P. — 3500 RPM 230/460/3/60 TEFC (For model 665P)
E3A	—	Motor 2 H.P. — 3500 RPM 230/460/3/60 TEFC (For Model 666P)

Note: When ordering, add materiel suffixes to part numbers.

DF: PVDF (Kynar®)

PP: Polypropylene

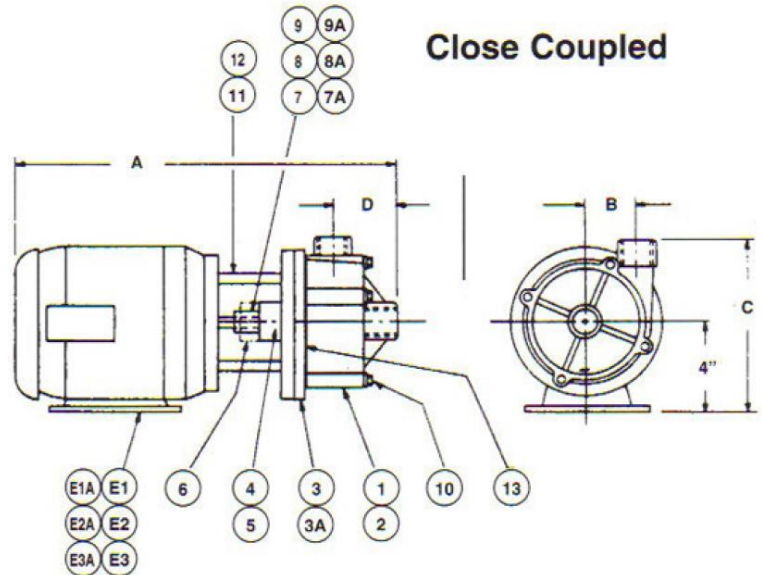
When ordering pump with water flushed seal, add **W** to above pump models numbers.

CAMAC SEALS

The pumps feature a choice of two standard seals:

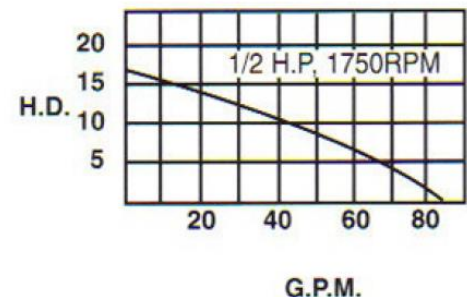
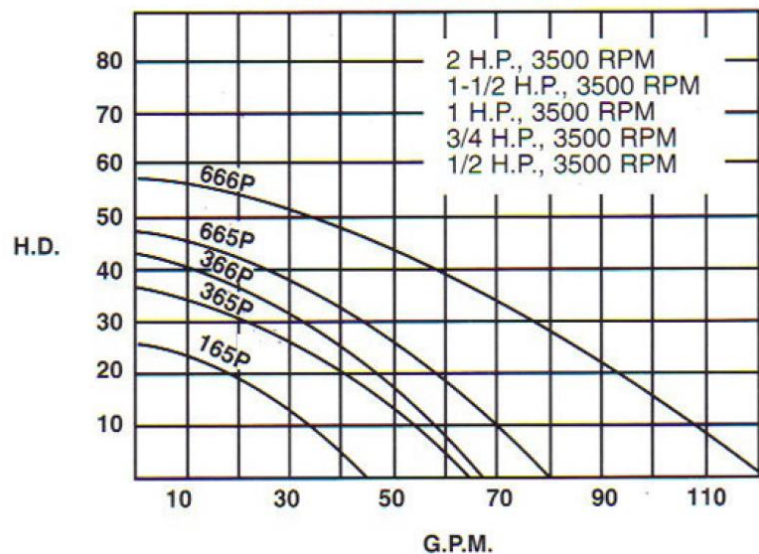
- (1) The all non-metallic internal bellows type seal.
- (2) The double, water cooled mechanical seal, which is best for abrasive, crystalline and electroless bath applications.

Water regulating kit available with the double mechanical seal.



Close Coupled

PERFORMANCE CURVE



CPVC, PVDF(Kynar®) and Polypropylene transfer Pumps

CORROSION PROOF FEATURES

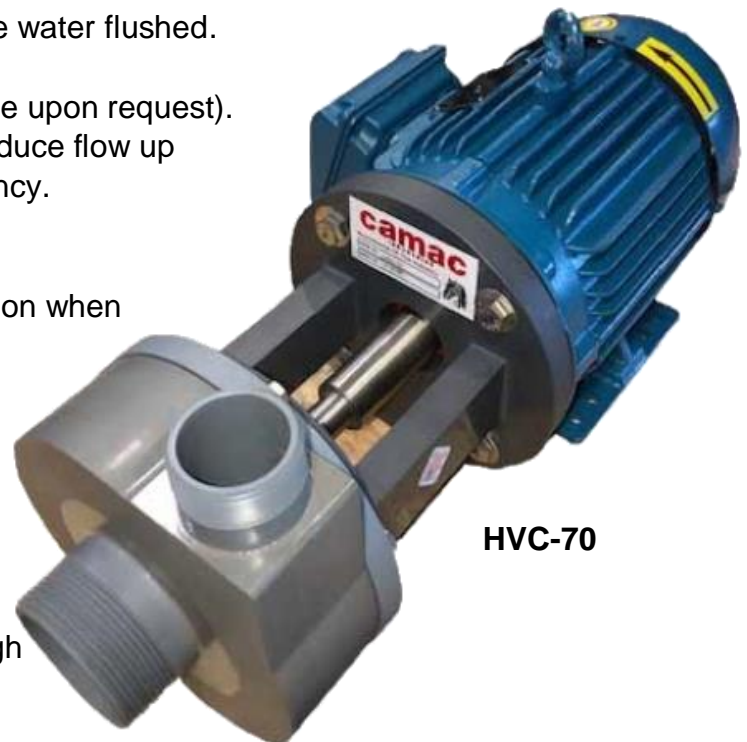
Maximum protection against corrosion and contamination is provided by the all CPVC/PVDF(Kynar®)/Polypropylene construction of these CAMAC transfer pumps. Corrosive acids, strong alkaline solutions and plating solutions never come in contact with metal. The corrosion proof CPVC, PVDF(Kynar®) or Polypropylene provides good resistance to most acids and caustics at continuous service temperature often up to 300°F (149°C) with PVDF(Kynar®), 200°F(93°C) with CPVC and 180°F (82°C) with polypropylene. (Chemical make-up may affect temperature ratings, consult factory.)

DESIGN OF THE UNIT IS AS FOLLOWS:

- A. All non-metallic wetted parts in contact with solution constructed of CPVC, PVDF (Kynar®) or polypropylene.
- B. Seals – Internal non-metallic bellows or double water flushed.
- C. O-rings to be FKM(Viton®).
- D. Motor TEFC heavy duty (other motors available upon request).
- E. Semi-opened impeller with curved vanes to reduce flow up draft tube and provide greater pumping efficiency.
- F. True venturi type volute case.
- G. Heavy-duty balanced shaft, Stainless steel
- H. Heavy duty volute designed to prevent deflection when pump is running.

AVAILABLE OPTIONS

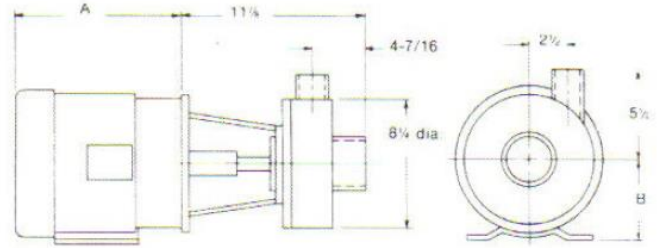
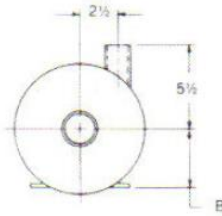
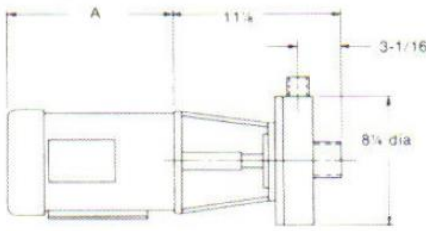
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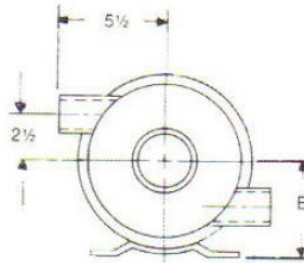
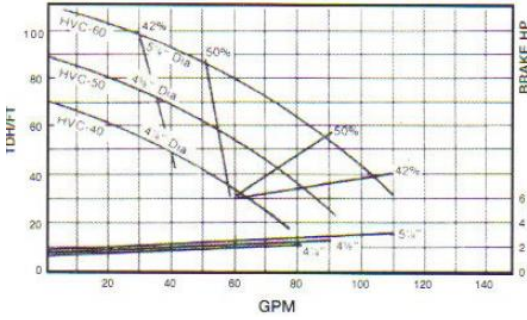
One pump that services the metal finishing, chemical and waste treatment industries.

FLOWS TO 360 GPM

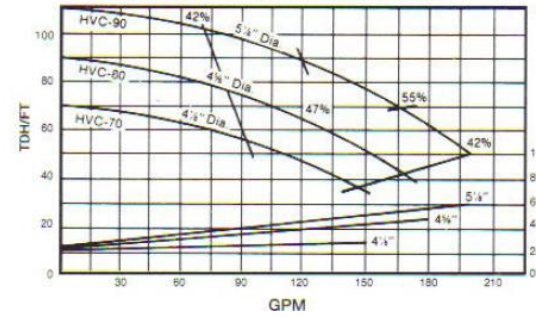
HEADS TO 60 psig



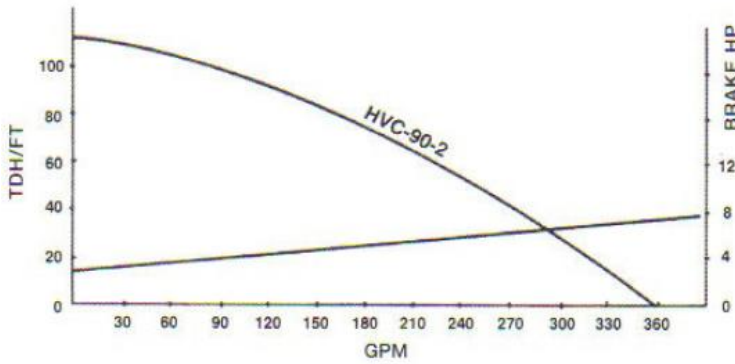
1 1/4 x 2 PUMP PERFORMANCE CURVE



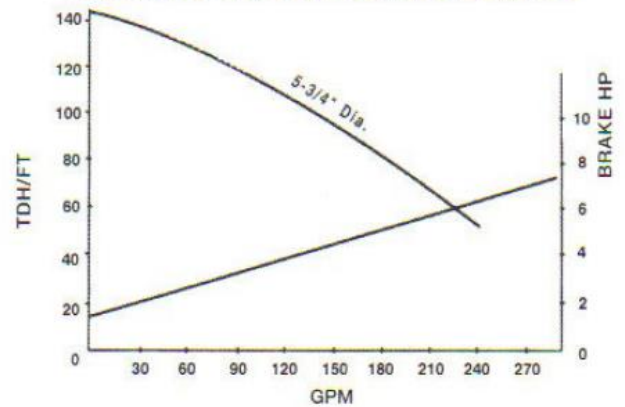
2 x 3 PUMP PERFORMANCE CURVE



2 x 2 x 3 PUMP PERFORMANCE CURVE



2 x 3 x 5.75 PUMP PERFORMANCE CURVE



Pump Model	H.P.	RPM	Suction	Discharge	A. Dim.	B. Dim.
HVC-40	2	3500	2"	1-1/4"	12"	3-3/8"
HVC-50	3	3500	2"	1-1/4"	12"	3-3/8"
HVC-60	5	3500	2"	1-1/4"	12-1/2"	4-3/8"
HVC-70	3	3500	3"	2"	12-1/2"	4-3/8"
HVC-80	5	3500	3"	2"	12-1/2"	4-3/8"
HVC-90	7.5	3500	3"	2"	14"	5-1/8"
HVC-90-2	7.5	3500	3"	2" (X2)	14"	5-1/8"
HVC-90-5.75	7.5	3500	3"	2"	14"	5-1/8"

NOTE: Pump suction & discharge will be supplied with threaded connections, socket connections available upon request.

Maximum fluid pressure on inlet is 60 psi.