

SERFILCO®

SERIES "PC" HORIZONTAL PUMPS

BULLETIN
P-107F
APRIL 1990



Mounted to
plastic bearing
housing

*for pumping, transferring,
recirculating of . . .*

WASTES / ACIDS / PLATING SOLUTIONS

**CHEMICALS / FUME SCRUBBER
PHOTOGRAPHIC ETCHING AND
CLEANING SOLUTIONS**

● **CHEMICAL RESISTANT -**

Glass-reinforced polyester, Noryl®, Ryton®,
or Polypropylene construction
See Chemical Resistance Chart

● **FLOWS TO 230 U.S. GPM or 94 FT. TDH @ 60 Hz**
(725 LPM or 20 M @ 50 Hz)

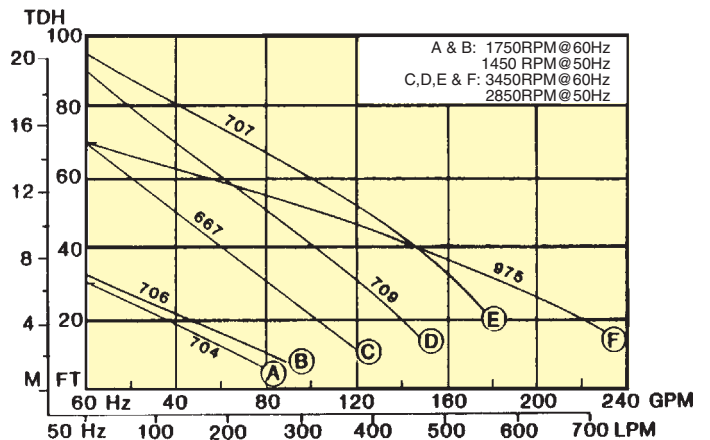
● **ANSI DESIGN AVAILABLE**

● **SELECTION OF DRIVE -Electric motor, Gas
engine, hydraulic or pneumatic**

● **EASY SCREWDRIVER SERVICE**

● **1-1/2", 2", 3" NPT THREADED PORTS**

PUMP WITH ELECTRIC MOTOR **



Impeller numbers are indicated on curves.

** Pump performance is slightly greater with engine drive.

See chart on next page.

Pump Specifications:

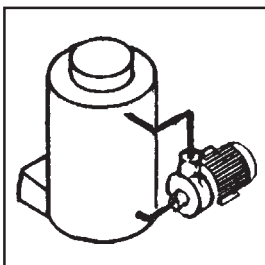
All major pump parts are precision molded of tough, corrosion resistant glass-reinforced polyester or Noryl thermoplastic. These high strength plastics provide resistance* to water and salt water as well as many acids*, bases* and solvents* at temperatures as high as 200°F (93°C). "O"-rings and seals are of viton, EPDM or buna N. Fasteners are stainless steel inside and outside with titanium or Hastelloy\ C internal fasteners, shaft seal and shaft adapter available from stock for extra corrosive service.

The 1½" pump and 2" pump are one and the same . . . threaded 1½" female and 2" male. The 3" pump has male connections. If abrasives may be entrained in the pumped liquid, an abrasion resistant wearplate is available. Metric adapters are also available.

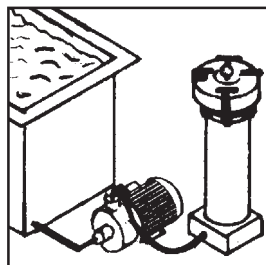
The pumps may be ordered with plastic bearing pedestal for direct drive (long-coupled) or with a cast iron pedestal for belt drive and heavy duty service. Close-coupled pumps may be driven by electric, hydraulic or pneumatic motor and gasoline engine. These are available from stock.

* Consult corrosion resistance chart for specific materials of construction required for any chemical application.

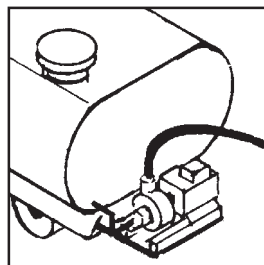
©Trademarks: **Noryl**- General Electric, **Ryton**- Phillips Petroleum, **Hastelloy C**- Haynes International.



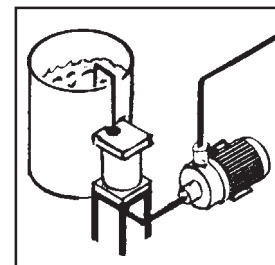
**FUME
SCRUBBING**



**FILTER
SYSTEM**



**TANK TRUCK
UNLOADING**



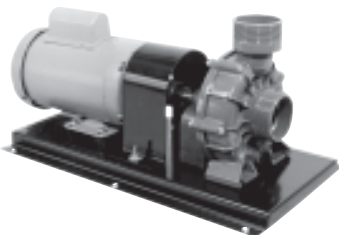
**SOLUTION TRANSFER
w/PRIMING CHAMBER**

Note: Shafts in these pumps are not in direct contact with the liquid being pumped. They are protected from corrosion with use of 316 SS or heat-shrinkable polyethylene sleeve as indicated. Consult factory for models with other materials of construction and/or performance characteristics.

PUMP WITH ELECTRIC DRIVE - CLOSE COUPLED OR PEDESTAL MOUNTED FOR FLEXIBLE COUPLING



CLOSE-COUPLED ELECTRIC



FLEXIBLE COUPLED TO ELECTRIC DRIVE

CURVE	PORT SIZE Inches	** MAXIMUM FLOW RATE		MAXIMUM TDH		REQUIRED HP		MODEL NUMBER	PRICE CODE NUMBER	ELECTRIC MOTOR/HP			
		GPM	LPM	Feet	M	60 Hz	50 Hz			ADD TO MODEL & PCN			
										115/230/1/50-60**		230/460/3/50-60**	
ODP	TEFC	ODP	TEFC										
A	1½	70	220	30	6.5	.4	.2	PCE1½AL-	60-11A4-	M.5C	G.5C	-	-
B	1½	90	285	32	7	.9	.5	PCE1½BL-	60-11B4-	M1.0C	G1.0C	N1.0C	H1.0C
C	2	120	380	70	15	1.8	1.0	PCE2CL-	60-12C4-	K2.0C	C2.0C*	T2.0C	D2.0C
D	2	150	475	90	19	3.0	1.7	PCE2DL-	60-12D4-	K3.0C	-	T3.0C	D3.0C
E	2	180	570	94	20	4.8	2.8	PCE2EL-	60-12E4-	Available flexible coupled (Pedestal mounted) only. See OPTIONAL.			
F	3	230	725	70	15	1.9	2.8	PCE3FL-	60-13F4-				

* 2 HP close coupled TEFC 230 volts only.

** GPM @ 1725 & 3450 RPM, 60 cycle motors: LPM @ 1450 & 2850 RPM, 50 cycle motors.

NOTE: When ordering 50Hz, specify voltage, phase, 50 Hz. (No change in Price Code Number.)

Pump is molded of glass reinforced polyester with ethylene propylene "O" rings*, standard volute, 316 SS internal hardware, 304 SS external hardware. Motor shaft is extended with 316 SS adapter.

PUMP WITH ENGINE DRIVE - CLOSE COUPLED



ENGINE DRIVE

CURVE	PORT SIZE Inches	MAXIMUM FLOW RATE		MAXIMUM TDH		SHIPPING WEIGHT STD. or I/C		MODEL NUMBER	PRICE CODE NUMBER	GASOLINE ENGINE/HP	
		GPM	LPM	Feet	M	Lbs.	Kg.			ADD TO MODEL & PRICE CODE NUMBER	
										STANDARD	HEAVY DUTY I/C
C	2	120	455	70	21	37	17	PCE2CL-	60-12C4-		
D	2	150	570	90	27	37	17	PCE2DL-	60-12D4-	E3CP	E3ACP
E	2	180	680	94	29	43	20	PCE2EL-	60-12E4-		
F	3	230	870	70	21	43	20	PCE3FL-	60-13F4-	E5CP	E5ACP

Pump is molded of glass reinforced polyester with ethylene propylene "O"-rings*, standard volute, 316 SS internal hardware, 304 SS external hardware. Engine shaft shielded with heat shrink polyethylene tubing.

PUMP WITH HYDRAULIC OR PNEUMATIC DRIVE - CLOSE-COUPLED



PNEUMATIC

CURVE	PORT SIZE Inches	HYDRAULIC @ 3450 RPM				PNEUMATIC @ 2900 RPM				SHIPPING WEIGHT		MODEL NUMBER	PRICE CODE NUMBER	HY.	PN.		
		MAXIMUM FLOW RATE		MAXIMUM TDH		MAXIMUM FLOW RATE		MAXIMUM TDH		Lbs.	Kg.					ADD TO MODEL & PCN	
		GPM	LPM	Feet	M	GPM	LPM	Feet	M							HP	HYC
C	2	120	455	70	21	1.8	100	380	48	15	1.0	PCE2CL-	60-12C4-				
D	2	150	570	90	27	3.0	125	475	62	19	1.8	PCE2DL-	60-12D4-				
E	2	180	680	94	29	4.8	150	570	65	20	2.8	PCE2EL-	60-12E4-				
F	3	230	870	70	21	4.9	190	720	48	15	2.9	PCE3FL-	60-13F4-				

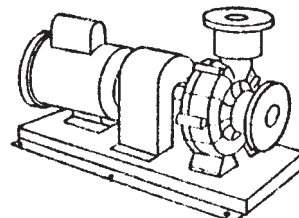
Pump molded of glass reinforced polyester with ethylene propylene "O" rings*, standard volute, 316 stainless steel internal hardware, 304 stainless steel external hardware, without baseplate on hydraulic, with baseplate on pneumatic. Motor shaft is extended with 316 SS shaft adapter. Consult factory for hydraulic and pneumatic drive requirements.



HYDRAULIC

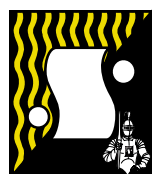
OPTIONAL DESCRIPTION	ADD TO . . .	
	MODEL	PRICE CODE NO.
Plastic pedestal, carbon steel shaft with heat shrink polyethylene sleeve	PE	B
Plastic pedestal with 316 SS shaft adapter	CSS	D
Cast metal pedestal with solid 316 SS shaft	PSS	P
Metric pipe adapter, set of 2, CPVC		
1½" NPT x 50/63 mm		45-0752
2" NPT x 63/75 mm		45-0763
3" NPT x 90 mm		45-0769

Consult factory for ANSI design models, "Dri-Stop" switch, etc.



*To change ethylene propylene "O" rings to Buna N, change L in Model No. to B, and the last digit in the Price Code No. from 4 to 2. To change ethylene propylene "O" rings to Viton, change L in Model No. to V, and the last digit in the Price Code No. from 4 to 1. CONSULT FACTORY FOR MOTORS, BASEPLATES AND COUPLINGS FOR FLEXIBLE COUPLING TO (IEC) METRIC MOTORS.

F.O.B. Northbrook, Illinois



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