



# SERIES 'PC' HORIZONTAL PUMPS

**INDUSTRY • AGRICULTURE •  
MARINE • AQUACULTURE**



*pumping, transferring or recirculating of ACIDS /  
PLATING SOLUTIONS / PHOTOGRAPHIC CHEMICALS  
/ FUME SCRUBBER / WASTEWATER / ETCHING AND  
CLEANING SOLUTIONS*

• **AVAILABLE MOLDED FROM:** Glass reinforced Polyester (PCE\*), Polypropylene (PCP\*), Ryton® (PCR\*) or Noryl (PCN\*).

\* Represents the first three characters in model number which specify the material of construction.

• **NON-METALLIC SOLUTION CONTACT MODELS AVAILABLE IN ALL STOCK MATERIALS.**

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

• **SELECTION OF DRIVES - TEFC electric motor, Hydraulic or pneumatic motors, gasoline or diesel engines.**

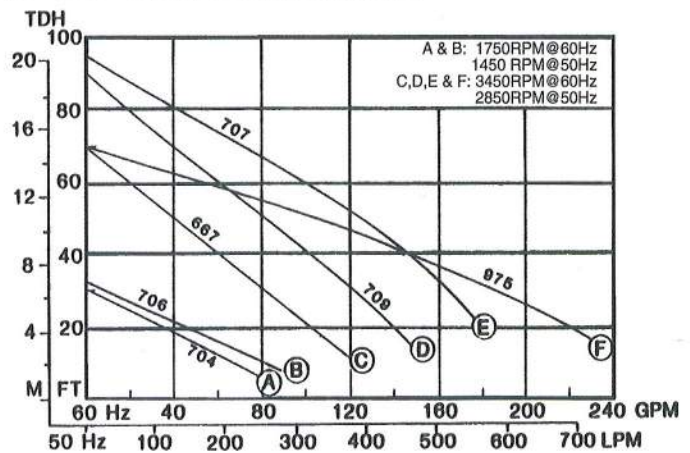
• **1-1/2", 2", 3" NPT THREADED PORTS.  
1-1/2", 2" BSP THREADS AVAILABLE.**

**PUMP SPECIFICATIONS:**

All major pump parts are precision molded of tough, corrosion resistant glass reinforced thermoplastics. These high strength plastics provide resistance to many acids, bases, solvents and salt water at temperatures as high as 200 degrees F (93C). O-rings and seals are viton, EPDM or Buna-N. Your choice of stainless steel or titanium internal fasteners. Also available with non-metallic solution contact option. Consult factory.

The 1-1/2" and 2" models are the same pump with both ports threaded 1-1/2" female and 2" male. The 3" model has male threads only. For abrasive solutions, the Polyester and Noryl models are available with a Buna-N or EPDM rubber wear-plate.

Pumps may be ordered with a chemically resistant Noryl bearing pedestal for long coupled direct drive or a cast iron pedestal for belt drive and heavy duty service. Close coupled drives include electric, hydraulic or pneumatic motor and gasoline engines through 8 hp. All available from stock.



Impeller numbers are indicated on curve. NOTE: pump performance is slightly greater with engine drive (3600 rpm) See chart on next page.



Tank truck unloading.



Many uses in agriculture and aquaculture. Recirculation, filter systems, transfer from totes and tanks.



Many industrial uses. Solution transfer, filter systems, fume scrubbing, off-loading tanker trucks.

Note: Shafts in these pumps are not in direct contact with the liquid being pumped. They are protected from corrosion by a 316 SS or heat-shrinkable polyethylene sleeve, as indicated. Consult factory for models with materials of construction other than EPDM and polyester as shown below.

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

CURVE	PORT SIZE in.	**MAXIMUM FLOW RATE		MAXIMUM TDH		REQUIRED HP		MODEL NUMBER	PRICE CODE #	ELECTRIC MOTOR/HP ADD TO MODEL AND PCN	
		GPM	LPM	Ft.	Meters	60Hz	50Hz			115/230/1/50-60**	230/460/3/50-60**
A	1 1/2	70	220	30	6.5	.5	.5	PCE1 1/2AL	60-11A4-	G.5C	H.5C
B	1 1/2	90	285	32	7	1	1	PCE1 1/2BL	60-11B4-	G1.0C	H1.0C
C	2	120	380	70	15	2	2	PCE2CL	60-12C4-	C2.0C	D2.0C
D	2	150	475	90	19	3	3	PCE2DL	60-12D4-	C3.0C	D3.0C
E	2	180	570	94	20	5	5	PCE2EL	60-12E4-	C5.0C*	D5.0C
F	3	230	725	70	15	5	5	PCE3FL	60-13F4-	C5.0C*	D5.0C



Long coupled to electric motor



Close coupled electric



Pedestal mounted for long coupling

\* 5 HP single phase motor is 230 volt only. Available flexible coupled (pedestal mounted) See OPTIONAL  
\*\* GPM @ 1750 & 3400 RPM, 60 Hz motors; LPM @ 1450 & 2850 RPM, 50 Hz motors.

NOTE: When ordering 50 Hz, specify voltage, phase, 50Hz. (No change in price code number)

Pump is molded of glass reinforced Polyester with ethylene propylene O-rings, standard volute, 316 SS internal hardware and 304 SS external hardware. Motor shaft is extended with 316 SS adaptor.

### PUMP WITH ENGINE DRIVE - CLOSE COUPLED

CURVE	PORT SIZE in.	**MAXIMUM FLOW RATE		MAXIMUM TDH		SHIPPING wt.		MODEL NUMBER	PRICE CODE #	GASOLINE ENGINE/HP ADD TO MODEL AND PCN	
		GPM	LPM	Ft.	Meters	lbs.	Kg			STANDARD	COMMERCIAL
C	2	120	455	70	21	37	17	PCE2CL	60-12C4-	E4CP	--
D	2	150	570	90	27	37	17	PCE2DL	60-12D4-	E4CP	--
E	2	180	680	94	29	43	20	PCE2EL	60-12E4-	E5IC	E6CP (B&S) E5HCP (Honda)
F	3	230	870	70	21	43	20	PCE3FL	60-13F4-	E5ICP	E6CP (B&S) E5HCP (Honda)



Engine Drive

Pump is molded of glass reinforced Polyester with ethylene propylene O-rings, standard volute, 316 SS internal hardware and 304 SS external hardware. Engine shaft shielded with heat shrink polyethylene tubing. Commercial power engines are B&S Vanguard or Honda GX 160. All gasoline engine driven 'PC' pumps are equipped with a roll cage.

### PUMP WITH HYDRAULIC OR PNEUMATIC DRIVE - CLOSE COUPLED

CURVE	PORT SIZE in.	HYDRAULIC @ 3450 RPM				PNEUMATIC @ 2900 RPM				SHIPPING Wt.				MODEL #	PRICE CODE #	HY. ADD TO MODEL & PCN	PN. ADD TO MODEL & PCN		
		MAXIMUM FLOW RATE		MAXIMUM TDH		MAXIMUM FLOW RATE		MAXIMUM TDH		hy.		pn.							
		GPM	LPM	Ft.	M	GPM	LPM	Ft.	M	lbs.	Kg.	lbs.	Kg.						
C	2	120	455	70	21	2	100	380	48	15	1	15	7	36	16	PCE2CL-	60-12C4-	HYC	PCN
D	2	150	570	90	27	3	125	475	62	19	2	"	"	"	"	PCE2DL-	60-12D4-	"	"
E	2	180	680	94	29	5	150	570	65	20	2	"	"	"	"	PCE2EL-	60-12E4-	"	"
F	3	230	870	70	21	5	190	720	48	15	3	"	"	"	"	PCE3FL-	60-13F4-	"	"



Pneumatic



Hydraulic

Pump molded of glass reinforced Polyester with ethylene propylene O-rings, standard volute, 316 SS internal hardware, 304 SS 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.

#### OPTIONAL FLEXIBLE COUPLED

DESCRIPTION	ADD TO...	
	MODEL	PRICE CODE
Noryl pedestal, carbon steel shaft with heat shrink polyethylene sleeve	PE	B
Noryl pedestal with 316 SS shaft adapter	PSS	D
Cast iron pedestal with solid 316 SS shaft	CSS	P

To change ethylene propylene O-rings to Buna-N, change L in model number to B, and the last digit in the price code from 4 to 2.

To change ethylene propylene O-rings to Viton change L in model number to V, and the last digit in the price code from 4 to 1.

Consult factory for motors, baseplates and couplings for flexible coupling pumps to drive source.