## PUMP CLASSIFICATIONS USED IN THE PUMP SEARCH DATABASE

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Industry type	*Usage	Pump type	*Family	Impeller style	*Service specialty	*Drive type	*Features	Materials	Liquids
	agricultural	Air piston	Positive displacement	Axial flow		AC motor		Cast iron	
Chemical		Archimedes screw	kinetic	Double suction	API process	Compressed air		Ceramic	Chemicals
cryogenic		Axial flow		Enclosed	Aquarium	DC motor		Coated	
Desalinization				Mixed flow axial	Bilge	engine		Copper alloy	Fuels
Food and beverage	Fire protection	Barrel emptying		Open		Hydraulic motor	Center line mounted	FRP	hydrocarbon s
Mining and mineral processing		bellows				inducer	Double volute	Lined	Molten sulfur
Oil and gas		canned motor		inducer	chopper	Manual	Entrained air	Non-metallic	Oil
Petroleum refinery	Industrial	Circumferential piston		Propeller		Renewable energy	Explosion proof motor	Plastic/rubber	Pulp
Pharmaceutical	laboratory	Concrete volute				Steam	Impeller agitator	polypropylene	Sea water
Pulp and paper	Marine	Diaphragm single/double acting		Recessed (vortex)	Corrosion resistance	Variable frequency	inducer	Special alloy	Sewage
Sugar cane processing	Municipal	Double suction		Single vane	Fire systems		Jacketed	Stainless steel	Sludge
various	nuclear	Eccentric disc					Low NPSHR	Steel	Slurries
		External gear			Fountain				toxic
	Residential	Flexible vane			grinder		Mobile		various
		In-line			High pressure		Piggy back		Waste water
	various	Internal gear			High pressure low flow				water
		jet			Hydronic heating & cooling				
		Lobe					Rubber lined		
		Manual			Low pressure high flow		sealless		
		Magnetic drive							
		metering			Manual				

Г	Mixed flow		1		1
		multiphase			
	Multi-stage horiz.	nuclear			
	Multi-stage vert.	pond			
	Pedestal sump	Pressure			
		testing			
		sanitary			
	Peristaltic (tube)	Sewage			
	Piston	Shower			
		(industrial)			
	Plunger ram	Sludge			
	Progressive	Solar			
	cavity	powered			
	propeller	Solids			
		handling			
	reciprocating				
		Swimming			
		pool			
	Regenerative				
	(peripheral)				
	rotary				
	Rotating casing				
	(pitot)				
	Screw impeller				
	Self-priming				
	Side channel				
	Sliding vane				
	slurry				
	Standard volute				
	close coupled				
	Standard volute				
	separately				
	coupled				
	submersible				
	Submersible				
	sump				
	Submersible vert.				
	turbine				
	Two/three screw				
	thruster				
	Vertical sump				
	Vertical sump  Vertical turbine				
	vertical turbine				
				1	