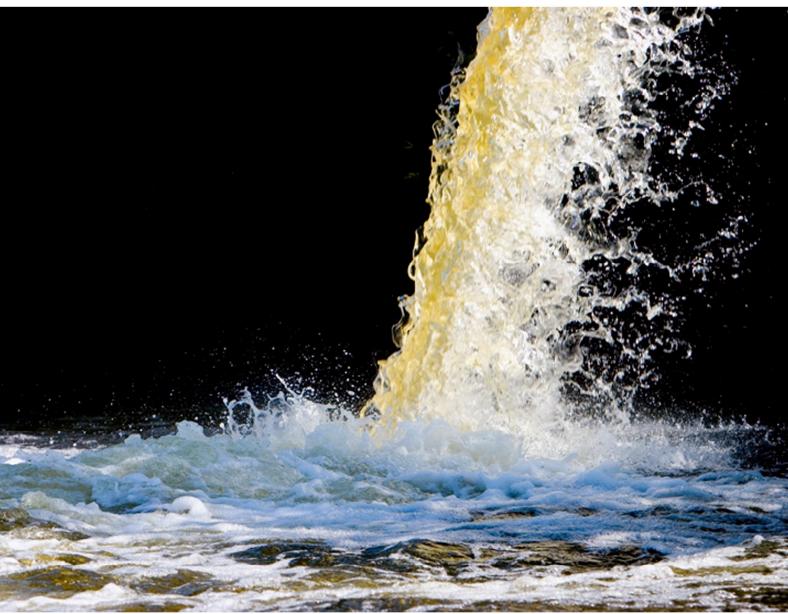


Auto Prime Engine Pump









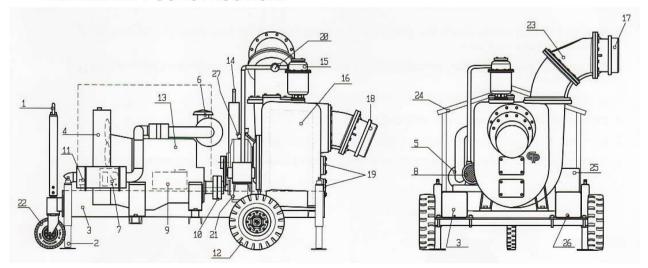
APPLICATIONS:

- The groundwater control or the basement de-water.
- The sewage water drainage.
- Flood waters drainage promptly.
- Drains off water for shops.
- Drain off water in the remote suburb.
- Water control for aqua farm.
- Draining water at basement.

FEATURES:

- Auto prime pumps have a special design vacuum that can detect water automatically, under no water condition.
- The special design chamber can separate water and air. The pump will fill water in few minutes automatically.
 - The non clog design impeller can pass large solid. The pump has clean hole for cleaning sediment.
 - An engine speed adjustment tool allows you control the rotational speed.
 - Many types of advanced control system for your choice for warning and protection.
- The better aluminum-made quick connection joint is easy to operate. The rubber water pipe can match the connecting joint firmly and closely.
- Light weight and small size is easy to setup and moveable. This pump is available for draining water at the basement.

EXTERNALITY CONSTRUCTION:

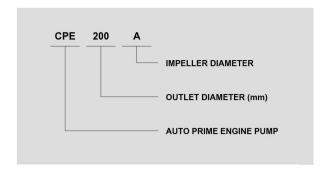


- 1. Drag Rod
- 2. Adjustable Rack
- 3. Fuel Tank
- 4. Radiator
- 5. Exhaust Pipe6. Air Cleaner
- 7. Control Panel
- 8. Vacuum Pump
- 9. Battery
- 10. Coupling
- 11. Fuelling Hole12. Rubber Wheel
- 13. Engine
- 14. Lift Rack
- 15. Vacuum Chamber
- 16. Self Prime Pump
- 17. Inlet
- 18. Outlet19. Cleaning Hole
- 20. Vacuum Gauge
- 21. Gear Box

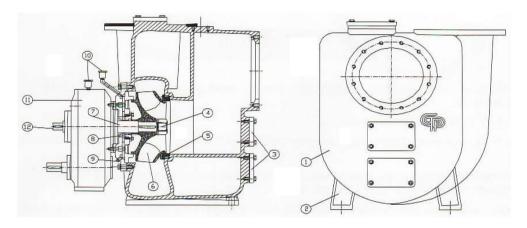
- 22. Steering Wheel
- 23. Check Valve
- 24. Protective Shield
- 25. Lube Tank
- 26. Leak Plug
- 27. Filler Hole



TYPE DESCRIPTION:



CONSTRUCTIONS:



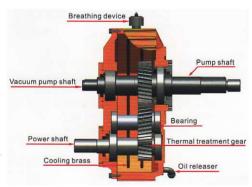
NO.	NAME	MATERIAL				
1	Pump Body	FC250				
2	Foot	FC250				
3	Cleaning hole	FC250				
4	Impeller Nut	SS41				
5	Impeller Sleeve	FC250				
6	Impeller	FC250				

NO.	NAME	MATERIAL				
7	Shaft	SUS410				
8	Seal	SIC/TC				
9	Oil Drain Off Plug	-				
10	Oil Cup	SUS410				
11	Gear Box	FC250				
15	Vacuum Pump Shaft	SUS410				

ACCESSORIES:

GEAR BOX

- 1. Heat Exchanger builds inside the gear box. The gear box can be operated under a long term situation without over heat.
- 2. The gears process precisely according to AGMA and have been thermal treated. It is silent and smooth when running.
- 3. With the best quality seal and ball bearing, the gear box can run in long life.
- 4. Efficiency of gear transmission can reach 95%.
- 5. With two output shafts, the gear box offers various application.
- 6. Dimensionally accurater and compact in size, our gear boxes offer high performance free from any problem.



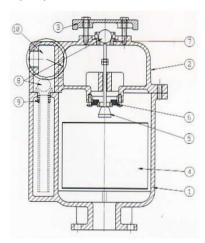


VACUUM PUMP

- 1. The vacuum pump with a special design rotor, that can work 24 hours contimuous operating without overheat.
- 2. Smooth and quiet continuous operation.
- 3. Highly efficient oil circulation system ensures perfect lubrication and sealing in all critical areas of pumps.
- 4. Equipped with the vacuum adjuster to setup the rated vacuum pressure and the wil gas collector that reduced loss of oil less than 0.7% per hour.
- 5. Automatic clutch is an optional device that will reduce power loss and synchronizes with the pump when water discharge or not.

VACUUM CHAMBER

- 1. The vacuum chamber is patent certificated in Taiwan, and it's special design for the auto prime pump.
- 2. Vacuum chamber is made of aluminum, and compact design reduced weight of the pump.
- 3. Equipped with a vacuum gauge, it is easy to observe pressure of the pump.
- 4. automatic design will adjust vacuum suction between vacuum pump and pump body. After vacuum pump exhausts, vacuum chamber will be relief pressure automatically that makes no water into the vacuum pump.



NO.	NAME	MATERIAL				
1	Casing	Alumnus				
2	Separator	Alumnus				
3	Valve Cap	Alumnus				
4	Floating Ball	Styrofoam				
5	Valve Plug	Plastic				
6	Valve Plug	Plastic				
7	Valve Plug	Plastic				
8	Ball Valve	Rubber				
9	Suction Valve Set	Plastic				
10	Gauge	Stainless Steel				

CONTROL PANEL

- 1. LED type control panel is suitable in the wet environments.
- 2. LED type control panel is easier to operate and observe.
- 3. Control panel is made of stainless steel that can ve used in raining day.
- 4. Digital screen control panel could store 2,000 information.
- 5. Board is cover by waterproof design to prevent humidity.
- 6. Digital screen control panel could extend function of GPRS communication to control the engine.



PERFORMANCE PARAMETERS:

DUMP MODEL	SPEED	CAPACITY	HEAD	DIA		SOLID PASSAGE	AIR DISPLACEMENT	
PUMP MODEL	(r/min)	(m³/min)	(m)	(mm)	(in)	(mm)	(l/min)	
CPE10	3600	2	24	100 4		20	-	
CPE15	1500	5	22	150 6		40	300	
CPE20A	1800	10	30	200 8		45	700	
CPE20B	1400	10	16	200 8		45	700	
CPE25A	1800	14	35	250 10		60	700	
CPE25B	1500	14	25	250 10		75	700	
CPE30A	1200	21	30	300	12	65	800	
CPE30B	1000	21	20	300	12	75	800	
CPE40A	1000	35	25	400	16	85	1000	
CPE40B	800	35	16	400	16	100	1000	



WATER SUPPLY RUBBER HOSE PARAMETERS

ITEM	DIA		THICKNESS		THICKNESS		WORKING PRESSURE	MAXIMUM PRESSURE
	(mm)	(in)	(mm)	(in)	(mm)	(in)	(kg/cm ²)	(kg/cm ²)
1	100	4	2.3	0.09	2.0	0.9	3	6
2	150	6	3.0	0.12	3.6	2.4	3	6
3	200	8	4.0	0.16	5.0	3.4	3	6
4	250	10	5.0	0.20	6.0	4.0	3	6
5	300	12	6.0	0.24	8.0	5.3	3	6
6	400	16	8.0	0.32	12.0	8.1	3	6

STEEL WIRE REINFORCED RUBBER HOSE PARAMETERS

ITEM	DIA		THICKNESS		LENGTH	WEIGHT		BENDING RADIUS			MAXIMUM PRESSURE
	(mm)	(in)	(mm)	(in)	(m)	(kg/m)	(lb/ft)	(mm)	(in)	(kg/cm ²)	(kg/cm ²)
1	100	4	6	0.24	1-15	4	2.7	600	23.6	5	10
2	150	6	7	0.28	1-15	7	4.7	900	35.4	5	10
3	200	8	8	0.31	1-15	10	6.7	1200	47.2	5	10
4	250	10	9	0.35	1-12	15	10.1	1500	59.1	5	10
5	300	12	10	0.39	1-12	18	14.8	1800	70.9	5	10
6	400	16	14	0.55	1-10	42	28.3	3000	118.1	5	10