SINCE 1976

SHOWFOU

Electronic Constant Pressure Pump SUPER

...with micro-processor equipped pump controller

Patent No. M414499
Patent No. M416688

UB series

provides constant flow control for automatic water pressure system.

Two benefits:

- Anti-cycling feature
- Intelligent "loss of prime" protection

CAT. NO.: B0714-2r1

SHOWFOU Electronic Constant Pressure Pump SUPER

UB series

DESCRIPTION :

Robust and compact multi-stage automatic centrifugal pump with Showfou' own unique micro-processor equipped pump controller for automatic water pressure.

Designed for domestic clean water supply at single and multistory homes.

APPLICATIONS :

Very good for pumps with clean non-volatile liquids without solids or fibers in below applications as :

- Ideal for domestic water supply
- Pressure boosting
- Automatic water transfer
- Washing system
- Small and medium size home , cottage
- Irrigation

OPERATING LIMITS :

Cut-out flow rate : 2 LPM
Maximum ambient temperature : 40 ℃
Maximum water temperature : 40 ℃

FEATURE :

Showfou UB series SUPER electronic constant pressure pump consists of a multi-stage centrifugal pump fitted with our own unique micro-processor equipped pump controller which keeps the pump running as long as there is a demand for water, eliminating fluctuating water pressure and annoying "cycling" situation in the presence of dripping taps etc.

Our own unique micro-processor equipped pump controller replaces the conventional pressure switch and provides strong and even pressure to eliminate cycling situation. And, it also provides advanced "loss of prime" protection which will stop the pump in "loss of prime" circumstances. Therefore, it can protect the pump from dry run damage.

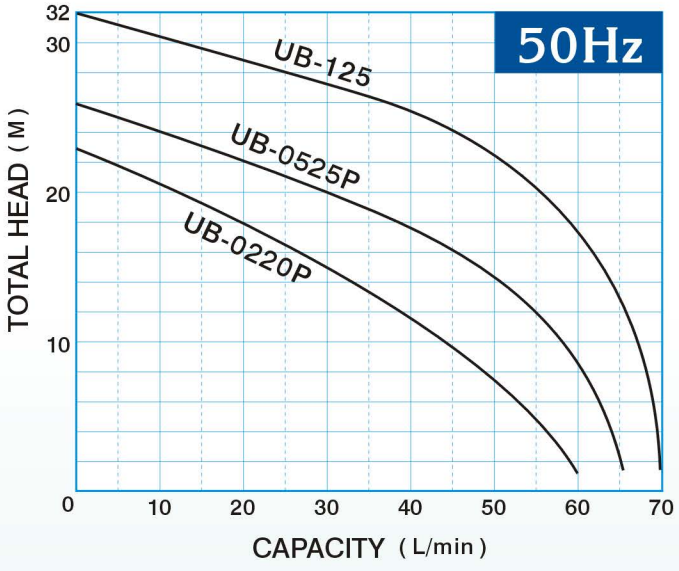
The compact size UB series SUPER electronic constant pressure pump does not require large space for installation. And, we are using new super quiet motor with built-in thermal protector to provide non-intrusive and safe operation for consumer enjoyment.

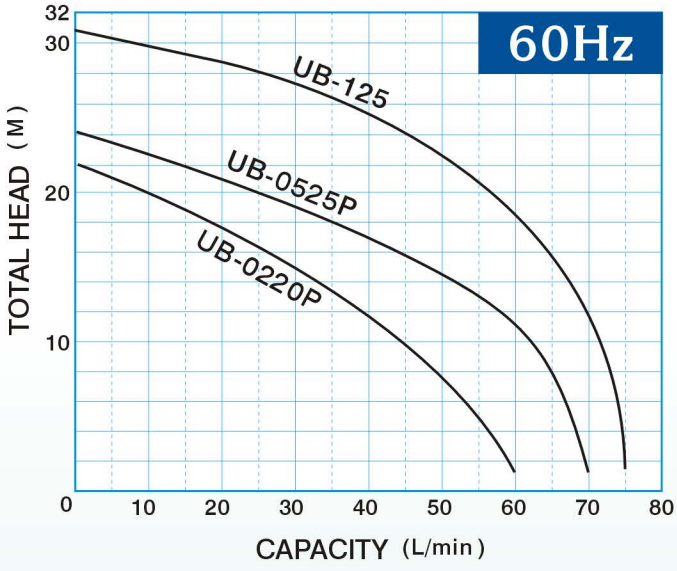
All parts of the entire pump that are in contact with the water are manufactured from safe, corrosion resistant materials.

SHOWFOU

UB Series
Electronic Constant Pressure Pump

PERFORMANCE CURVES :





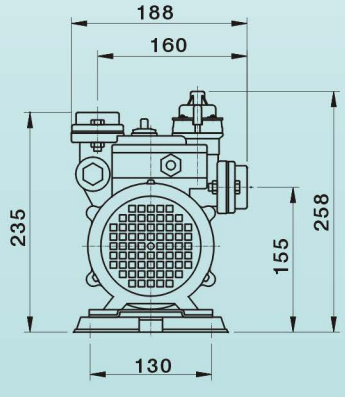
SPECIFICATIONS :

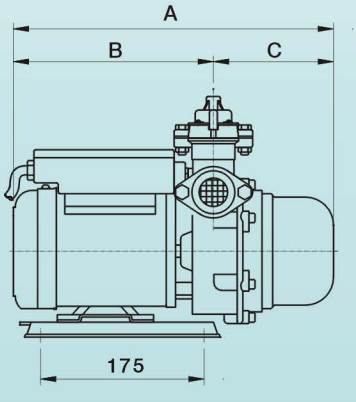
型式 TYPE	馬力 Power		相數 Phase	電壓 Volt	口徑 Disch. Dia.		50Hz			60Hz			壓力啟動開關 出廠預設值 Default starting pressure setting (ON)	壓力啟動開關 調整範圍** Starting pressure setting range * (ON)	重量 Wt.
							標準揚程-水量 Head-Capacity	最高揚程 Max. Head	最大水量 Max. Flow	標準揚程-水量 Head-Capacity	最高揚程 Max. Head	最大水量 Max. Flow			
	HP	kW	PH	V	inch	mm	M - L/min	M	L/min	M - L/min	M	L/min	kg / cm²	kg / cm²	kg
UB-0220P	1/4	0.2	1	100~240	3/4	20	16-25	23	60	16-25	23	62	1.7	1.7~1.9	10
UB-0525P	1/2	0.4	1	100~240	1	25	14-50	26	66	14-50	25	63	2.0	2.0~2.2	11
UB-125	1	0.75	1	100~240	1	25	22-50	32	70	22-50	32	75	2.4	2.4~2.7	16

* While installation of the pump, be sure the inlet pressure of the pipe is lower than your starting pressure setting on the pump.

DIMENSIONS :

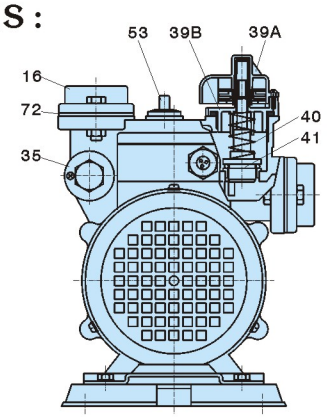
Unit:mm

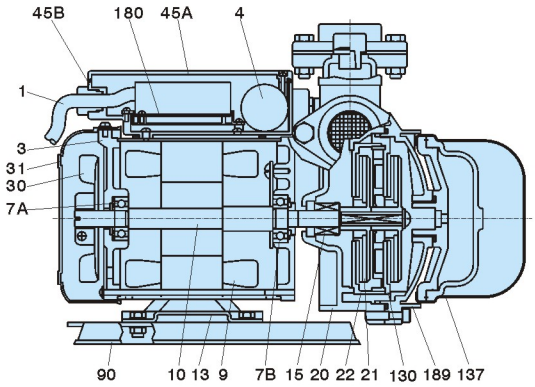




型式 TYPE	週率 Hz	DIMENSIONS (mm)			紙箱尺寸(外) CARTON SIZE
		A	B	C	L x W x H (mm)
UB-0220P	60	333	204	129	390 x 215 x 300
	50	356	204	152	
UB-0525P	60	343	214	129	390 x 215 x 300
	50	366	214	152	
UB-125	60	431	265	166	480 x 215 x 300
	50	457	265	192	

CONSTRUCTIONS :





NO.	PART LIST	零件名稱	MATERIAL	材質
1	Cable	電纜線	VCT	
3	Motor Head Cover	馬達上蓋	Plastic	塑膠
4	Capacitor	電容器		
7A	Bearing(Upper)	軸承		
7B	Bearing(Lower)	軸承		
9	Coil	馬達線圈		
10	Shaft	主軸	S45C	
13	Motor Casing	馬達中框	SPC	鐵
15	Mechanical Seal	機械軸封	Ceramic-Carbon	陶瓷-碳精
16	Flange Setter	法蘭途	Cast Iron	鑄鐵
20	Pump Casing	水機	Cast Iron	鑄鐵
21	Impeller	水葉	NORYL	塑膠
22	Suction Cover	吸水盤	NORYL	塑膠
30	Cooling Fan	風葉	Plastic	塑膠
31	Fan Cover	風葉蓋	Plastic	塑膠

NO.	PART LIST	零件名稱	MATERIAL	材質
35	Pressure Switch	壓力開關		
39A	Valve Cover	止水閥蓋		
39B	Valve Cover	止水閥蓋		
40	Spring	彈簧	SUS304	不銹鋼
41	Check Valve	止水閥	NORYL	塑膠
45A	Terminal Box	電容器蓋	NORYL	塑膠
45B	Terminal Box	電容器蓋	NORYL	塑膠
53	Plug	塞頭	Plastic	塑膠
72	Outlet Rubber	出口徑橡皮	NBR	
90	Motor Base	馬達腳座	Plastic	塑膠
130	Diffuser	切水盤	NORYL	塑膠
137	Pressure Tank Set	壓力桶組		
180	Main Circuit Board (with mode switch)	主基板 (含模式開關)		
189	Pump Casing Cover	水機蓋	Plastic	塑膠

DIAGRAM:

Fig 1 Roof tank water supply boosting for house

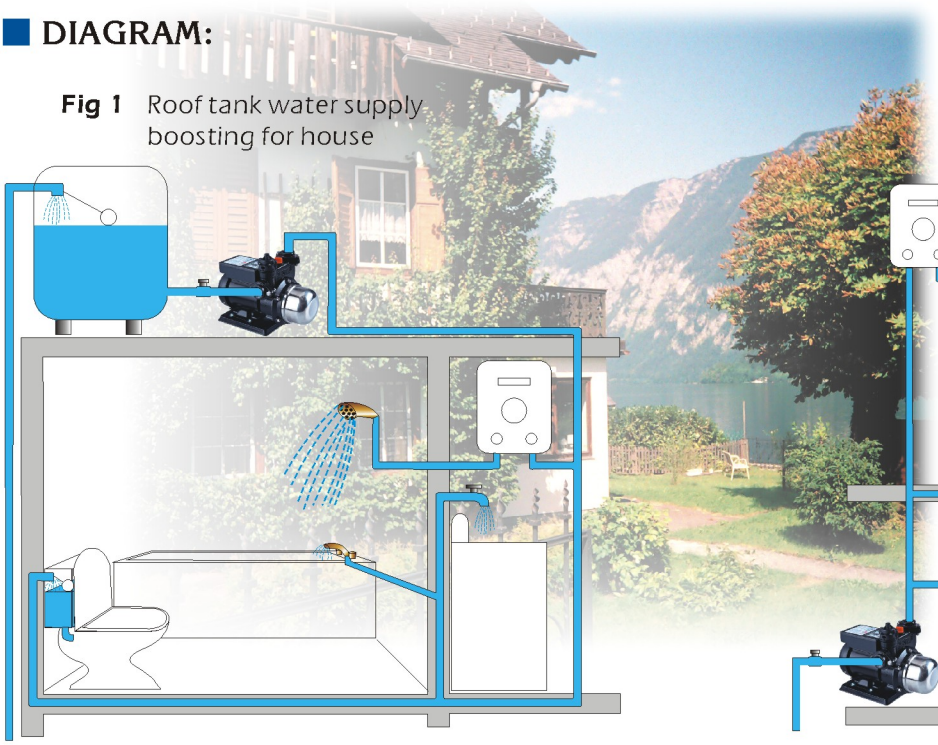
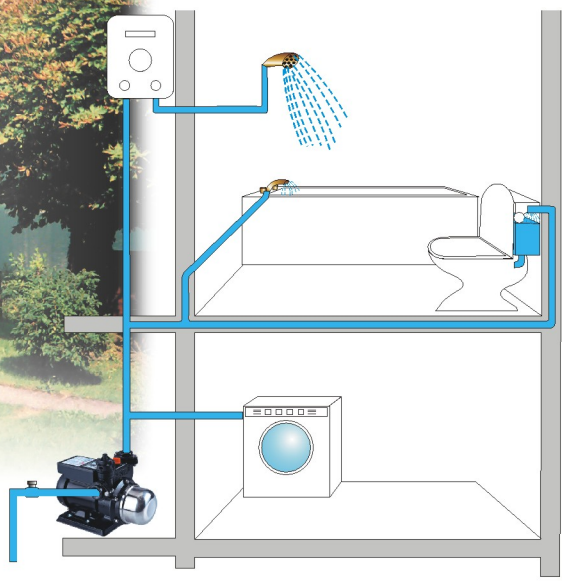


Fig 2 Municipal water supply boosting for house



The default setting of the pump is set to boost the pressure UP (e.g. Fig 2), so the mode switch is set at "UP" position. If you are using the pump to boost the pressure DOWN (e.g. Fig 1), please adjust the mode switch at "DOWN"position, so the UB constant pressure pump will function normally.

When our unique micro-processor equipped pump controller detects "loss of prime", it waits 60 second to cut out the power then goes into auto retry mode, whereby it will restart the pump every 20 minutes to see if the prime can be re-established automatically.

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All specifications subject to change without notice.