



ESV200



ESV400



ESV800



Optional-ESV pump with cover
ESV200C / ESV400C / ESV800C

Features

1. All-in-one booster pump unit, The ESV pump is mainly consisted of pump, motor, flow sensor, pressure tank and CPU board.
2. Auto run and boost water pressure while water is consumed. Auto stop running while no water is consumed.
3. Dry-running shutdown protection- To avoid motor burnout, ESV pump will shut down within 1 minute when dry running occurs.
4. Built-in thermal protector can prevent pipeline burst due to abnormal frequent on/off.
5. Low noise operation; Compact design for space saving.
6. Always keep stable water pressure while using (hot) shower.
7. Dual-voltage design, user can switch required voltage manually.



Dual-voltage design,
switch to required volt.
manually.

Model	Power	Activation Pressure
ESV200	1/4HP	1.2~1.4 bar
ESV400	1/2HP	1.7~1.9 bar
ESV800	1 HP	2.1~2.3 bar

● Pre-set activation pressure is not adjustable.

Operating Conditions

1. Ambient Temp.: Max. 40°C.
2. Liquid Temp.: 0~40°C.
3. Relative humidity: Max. 85%(RH).
4. Working pressure: Max. 5 bar.
5. Before starting the pump, make sure inlet pressure is lower than factory pre-set activation pressure.
6. Suitable liquid: Drinking water or clean water without solid particles or non-corrosive fluid.

Applications

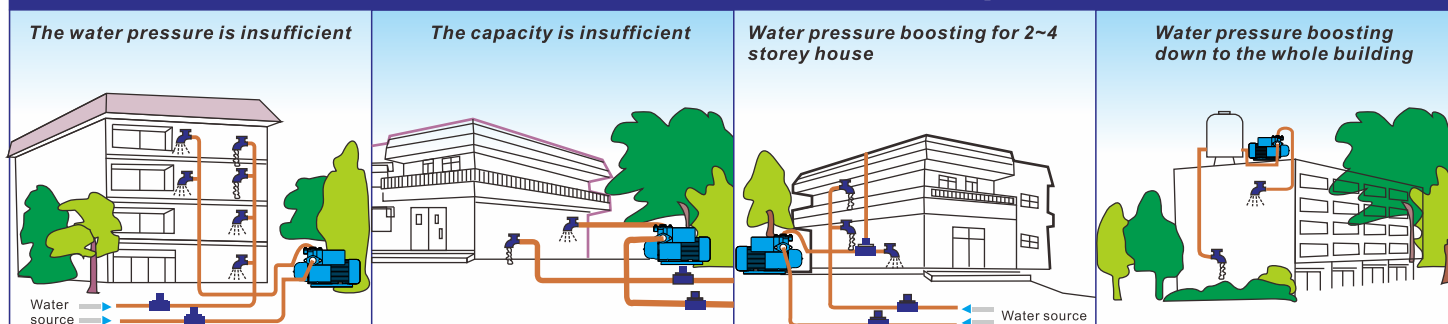
1. Auto boost water pressure to the house, apartment, villa, school, restaurant, school, beauty shop,...etc.
2. Auto boost water pressure to garden sprinkler, heater, toilet, washing machine, sanitary equipment,...etc.

Motor Spec.

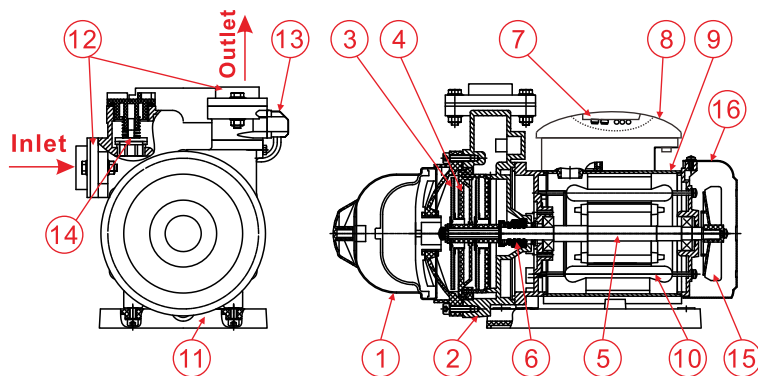
1. Voltage: 1Ø110/220V /60Hz.
2. Enclosed class: IP54.
3. Insulation: B class.
4. Enclosed Fan cooled, 2P motor.
5. Built in overload motor protector.



Installation of ESV Pump

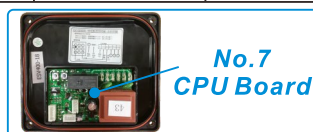


Sectional View & Materials

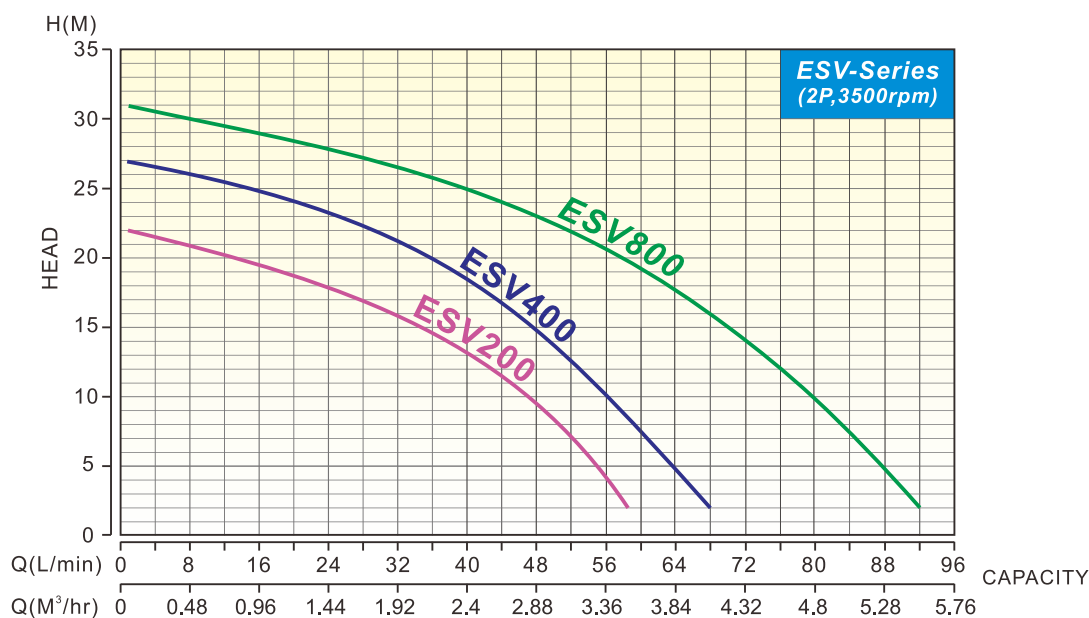


NO.	Name	Material
1	Pressure Tank	SUS304
2	Pump casing	FC200
3	Impeller	SUS304
4	Guide Vane	PPO
5	Shaft	SUS420
6	Mechanical Seal	CA/CE
7	CPU board	

NO.	Name	Material
8	Terminal Box	ABS
9	Motor Shell	Aluminum Alloy
10	Motor Coil	Copper
11	Base	ABS
12	Flanges	SS400(SS41)
13	Flow sensor	
14	Check valve	NYLON66
15	Motor fan	ABS
16	Back cover	ABS



Performance Curves

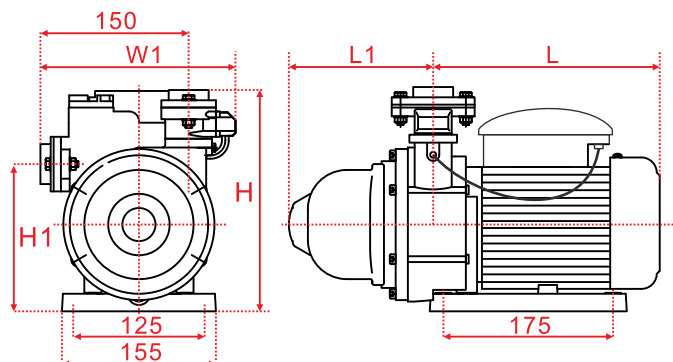


Specifications

Model	Power		Inlet/Outlet		Pole	Phase	Voltage	Pressure		Rated Head	Rated Flow	Max. Head	Max. Flow
	W	HP	Inch	mm	P	∅	V	On (bar)	Off (bar)	M	L/min	M	L/min
ESV200	180	1/4	3/4"	20	2	1	110/220	1.2~1.4	2.2	15	35	22	60
ESV400	370	1/2	1"	25	2	1	110/220	1.7~1.9	2.7	20	36	27	70
ESV800	750	1	1"	25	2	1	110/220	2.1~2.3	3.1	25	40	31	95

Suction Lift: Max. 4M

Dimensions



Model	Dimensions (mm)					Net Weight (KG)
	L	L1	W1	H	H1	
ESV200	215	145	210	235	150	10.5
ESV400	235	145	210	235	150	12.0
ESV800	262	148	210	235	150	13.7