

FUJI PORTA-PUMP, MODEL BPW 601

Fuji Porta-Pump, a multi-purpose portable pump, is the answer to the desire of many for a more convenient use of water. It is the perfect combination of lightweight portability.....strong power..... compact and sturdy construction. In principle the Porta-Pump is the same as the electric well pump but it can be carried anywhere easily by one hand, giving unlimited use around the home, farm, and garden.

Construction

It is constructed as shown in *Fig. 1* and *Fig. 2*. *Fig. 1* shows the main body and standard accessories including filter and suction hose. *Fig. 2* shows the special accessories: fixture for attaching to wall, shower head, purification filter, shower hanger and hose stopper, and drain hose.

Special Features

- 1) Easily portable.....does not require elaborate plumbing; can be operated easily by any one.
- 2) Unique instantaneous self-suction type..... requires only a little priming to operate.
- 3) The faucet cock and the switch are inter-locked.....(utility model). A single lever controls the faucet cock and the switch to regulate the water flow. Lever completely water-proofed for safety and easy operation.
- 4) Great lift capacity.....it pumps about 20 liters (5 gallons) of water per minute, enough to fill a washing machine.
- 5) Mechanical sealed motor.....the motor is fully protected from water by a mechanical seal: no danger of water leakage from the tank.
- 6) Wide application range
 - a. Draining water from the washer to a higher level.

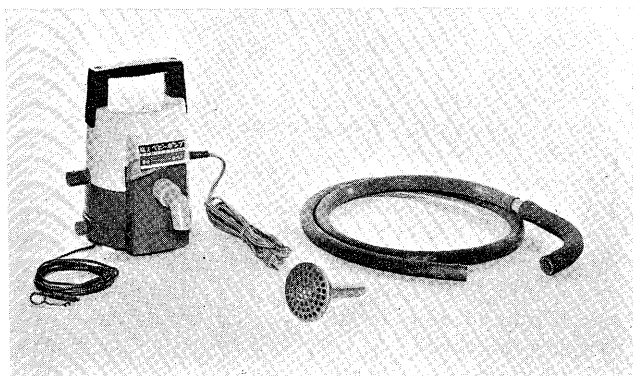


Fig. 1 Body and standard accessories

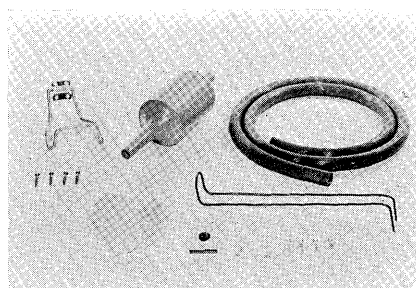


Fig. 2 Special accessories

- b. Quickly-constructed warm shower for the bath room.
- c. Sprinkling water on garden or dusty ground.
- d. Beautiful fountains or water screens in tea rooms, hotels, flower shops, and gardens.
- e. Car washing
- f. Circulating the water in tropical fish aquariums.
- g. Children's shower at playtime.
- h. Pumping water from reserve tank when city water system is restricted during dry seasons (in barber shops, restaurants, hotels etc.).

Specifications

Voltage (volt)	100	100
Frequency (c/s)	50	60
Power		
consumption (w)	100	110
Current (amp)	1.9	1.5
R.P.M.	2800	3300
Suction height	1 m (3.3 ft)	1 m (3.3 ft)
Lift	1 m (3.3 ft)	1.5 m (5 ft)
Capacity per minute	16 l (4 gals)	20 l (5 gals)
Priming water	650 cc (0.7 qt.)	
Weight	4.7 kg (2 1b)	
Color	Blue or gray	
Motor	2-pole condenser motor	
	2.5 μ f	
Cord length	2.5 m (8.25 ft)	
Impeller diameter	60 mm ϕ (2 $\frac{3}{8}$ inch)	
Standard accessories	Suction hose assembly and filter assembly	
Special accessories	Fixture for attaching to wall, purification filter, drain hose, shower hanger.	
Outside dimensions	134 mm ϕ \times 233.5 mm (5 $\frac{3}{8}$ " ϕ \times 9 $\frac{3}{8}$ ")	

(By A. Takagi, Household Appliance Dep't.)

Outline of Our Products

(I) Power Station

- a) Generators :
Synchronous generators up to 150,000 kva.
Direct current generators up to 10,000 kw.
Other all kinds of generators.
- b) Water Turbines & Pump Turbines :
Francis type, Pelton type, Kaplan type turbines and pump turbines up to 150,000 kw.
- c) Steam Turbines up to 150,000 kw.
- d) Gas Turbines :
Closed-cycle type up to 50,000 kw.

(II) Nuclear Reactor

Power Reactors, Experimental Reactors, Sub-critical Assemblies.

(III) Transmission & Distribution

- a) Transformers :
Power transformers up to 300 Mva, 480 kv.
Furnace transformers up to 60 Mva, 154 ka.
Measuring transformers up to 287 kv.
Other all kinds of transformers.
- b) Standard Transformers (for general use), Single-phase & Three-phase Distribution Transformers from 3 kva to 1000 kva.
- c) Rotary Condensers up to 75,000 kva.
- d) Static Condensers.
- e) Circuit Breakers :
Expansion circuit breakers up to 287 kv.
Oil circuit breakers up to 154 kv.
- f) Switchboards :
Sheet iron made switchboards for all kinds of service.
- g) Switch Equipment :
Disconnecting switches up to 480 kv.
- h) Induction Voltage Regulators up to 1000 kva.
- i) Lightning Arresters up to 161 kv.

(IV) Rectifier

- a) Mercury-arc Rectifiers :
Single-anode or multi-anode type, air-cooled pump-less up to 6000 amp.
- b) Selenium Rectifiers.
- c) Silicon Rectifiers.
- d) Rotary Converters up to 3000 kw, 1500 v.

(V) Motor & Application

- a) Motors :
Three-phase synchronous motors up to 150,000 kw.
Three-phase induction motors up to 10,000 kw.
Three-phase commutator motors up to 300 kw.
Direct current motors up to 10,000 kw.
Other all kinds of motors.
- b) Standard Motors (for general use):
Three-phase squirrel cage motors from 0.4 kw to 75 kw.
Three-phase wound motors from 20 kw to 75 kw.
Single-phase split-phase start induction motors, 100 & 200 w.
Single-phase repulsion start induction motors from 200 to 750 w.
Single-phase condenser start induction motors from 200 to 750 w.
- c) Ventilating Fans for radial & axial type.

- d) Mine Winder Set for vertical shaft & inclined shaft
- e) All kinds of Winches for cargo boat use.
- f) Steering Engines for boat use.
- g) Fuji-Voith Schneider Propellers.
- h) Torque Converters.
- i) Steam Converting Valves.

(VI) Control

- a) Regulating Apparatus :
Motor starters, controllers, speed regulators, voltage regulators & other regulating apparatus for all kinds of service.
- b) Circuit Breakers :
Air circuit breakers up to 500 v, 3000 amp.
High speed air circuit breakers up to 1500 v 6000amp.
- c) Switch Equipment :
Knife switches, magnetic switches & other all kinds of switch equipment.

(VII) Instrument

- a) Watt-hour Meters :
Single-phase WHM for low tension circuit use.
Three-phase WHM for low & high tension circuit use.
- b) Relays :
All kinds of relays for power & industry use.
- c) Electric Measuring Instruments :
Switchboard meters, portable type meters, precision meters, recording meters, telemetering & telecontrolling equipment.
- d) Industrial Measuring Instruments :
Thermometers, pyrometers, gas analysers, hydrometers, salinometers, pH meters, pressure gauges, flow meters (for water, steam, gas & air), level meters, indicators and recorders.
- e) Automatic Controlling Equipment :
Electro-pneumatic controllers for temperature, pressure, flow, liquid level etc., ratio controllers for gas & liquid mixing.
Magnetic controllers, electrical indicating controllers with on-off contacts.

(VIII) Radiation Equipment

Linear accelerators, synchrotron, Cockcroft-Walton type d-c high voltage generators.

(IX) Household Appliances

- a) Electric Washing Machines & Spin Dryers.
- b) Vacuum Cleaners.
- c) Electric Refrigerators.
- d) Electric Fans.
- e) Air Conditioners.
- f) Transistor Radios.
- g) Tape Recorders.
- h) Television Sets.
- i) Stereo Players.
- j) Electric Juicers.
- k) Toasters, Hot Plates & Irons.
- l) Heating Apparatus :
Electric foot warmers, bed warmers, body warmers, electric stoves etc.
- m) Electric Home Pumps for deep or shallow well.
- n) Dry Batteries.
- o) Flash Lights & Gas Lighters.
- p) Electric Illuminating Apparatus.