

PM Automatic Pump Sets

The PM series of pumps are automatic systems meeting the varying demands of plumbing installations to cater for small duties. These are wide ranging and include such applications as laundry machines, dishwashers and other uses where the need of automatic control of both pressure and flow are required.

The range consists of 6 standard units built upon two pump models, the PM46 and PM81 along with three control systems, an 8 litre Vertical Pressure Set (PS8V), a 20 litre Horizontal Pressure Set (PS20H) and a PressControl (PC). These meet the demands of small automatic systems where water is pressurised or transferred. The ULF system is manufactured to specific customer requirements to order.

Pressure Sets

Control of the pump is through a pressure switch, when a tap is turned "on" water is released from the pressure tank eventually causing the system pressure to drop, this activates the pump which continues to run, when the tap is turned "off" the pump recharges the pressure tank until the desired system pressure is reached, the pump is then switched "off", these pressure settings can be adjusted.

When pumping from a storage tank a float switch should be fitted to protect the pump from dry running.

PressControl

Control of the pump is via an electronic control unit having non adjustable settings switching the pump "on" when the falling system pressure drops to 1.5 bar and switching the pump "off" when the water flow stops. This unit includes a dry running protection for the pump.

Both systems require a non-return valve or foot valve in the suction line to preserve pump prime.

ULF System

An Ultra Low Flow System is available to meet demands as low as 1 litre per hour, this unit is not illustrated.

Standard Models	Dimensions mm H x L x W
APPPM46PS8V	550 X 310 X 250
APPPM81PS8V	580 X 630 X 270
APPPM46PS20H	600 X 580 X 300
APPPM81PS20H	630 X 630 X 250
APPPM46PC	310 X 340 X 220
APPPM81PC	310 X 310 X 225



All of these units find a use in small applications in industry and commerce and are often incorporated into other equipment or systems where low flows are required. Our sales team are ready to offer advice based on years of practical experience to recommend the correct build of machine for any given purpose.



Associated Products

Debris water filters with disposable elements from 5 to 50 microns.



A wide selection of float switches are available.



Ultra Violet disinfection can be inserted into the system, many sizes are available to suit flow rates.

