

GARDPRES™

PRESSURISATION SET RANGE

ECO+ DIGITAL



A reliable A efficient A quality

SMEDEGARD
Pumping Technology

Wall Mounted WP ECO+ DIGITAL

The WP ECO+ DIGITAL Range has been developed for those requiring a compact high quality pressurisation set with either single (DS) or twin (DT) pump. The WP ECO+ DIGITAL is fitted with an electronic control module that offers pump auto change-over, remote on-off, two assignable volt free contacts and leak detection function. The digital display includes indication of pump run/fault, system pressure and error code. Parameters that can be set include, pump pressure/set point with differential, high/low pressure, alarm delay, fail safe mode, standby mode, alarm levels, pump exercise, low water reset timer, leak alarm and pump A/B status to allow for single or twin pump operation.

To facilitate ease of fitting all connections are located on the left side of the WP ECO+ DIGITAL. This allows fitting of the unit in restricted spaces.

All WP ECO+ models are suitable to be used as either a top up or fill unit. When using as a fill unit the optional Safe Fill kit must be fitted.

WP ECO+ DIGITAL units are available, upon request, with integral thermal condensation/frost protection.

The WP ECO+ DIGITAL range are provided with 5 bar pumps as standard and adhere to Smedegaards' policy of only offering quality engineered products, built by engineers for engineers.



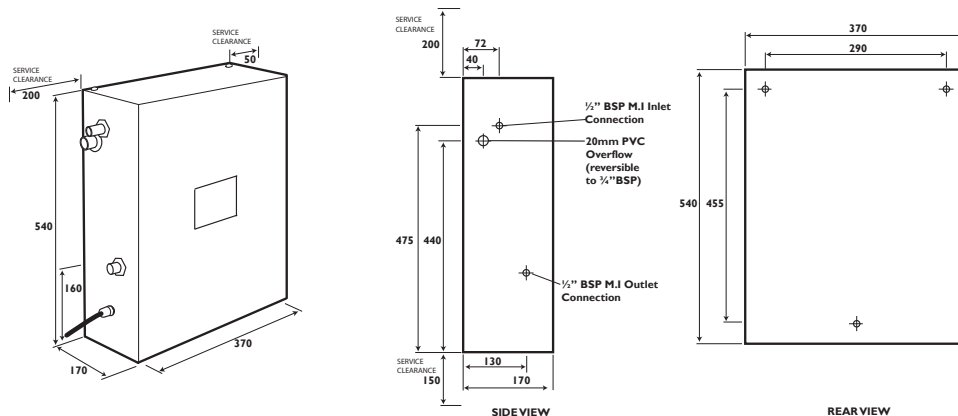
WP ECO+ DIGITAL

Standard Features

- Single and twin pump units
- 5 bar pump
- Continuously rated motors, permanent magnet, 2 pole, single phase
- Electronic control module
- Digital display
- 2 Assignable volt free alarm contacts
- Remote on-off
- Leak/burst pipe detection
- Break tank with WRAS approved diaphragm ball valve
- WRAS compliant type AA break tank
- Anti seize pump exercise
- Alarm delay function
- Stove enamelled Zintec Steel enclosure

Optional features

- Frost Protection kit
- Safe Fill kit



All models share the same cabinet overall dimensions and all dimensions are in millimetres

Model	Dimensions (Millimetres)			Aprox Net Weight Dry (kg)	Full Load Current (Amps)	Connections Size Inlet/Outlet
	Width	Depth	Height			
WP ECO+ *DS5	370	170	540	15	0.7	½" BSP M.I
WP ECO+ *DT5	370	170	540	17	0.7	½" BSP M.I

*DS = Digital Single Pump, DT = Digital Twin Pump

Free Standing FP ECO+ Digital

The FP ECO+ DIGITAL Range has been developed for those requiring a high quality compact single (DS) or twin (DT) pump free standing pressurisation set with electronic control. The FP ECO+ DIGITAL is fitted with an electronic control module that offers pump auto change-over, remote on-off, two assignable volt free contacts and leak detection function. The digital display includes indication of pump run/fault, system pressure and error code. Parameters that can be set include, pump pressure/set point with differential, high/low pressure, alarm levels, pump exercise, low water reset timer, leak alarm and pump A/B status to allow for single or twin pump operation.

To facilitate ease of fitting all connections are located on the left side of the FP ECO+ DIGITAL. This allows fitting of the unit in restricted spaces.

All FP ECO+ models are suitable to be used as either a top up or fill unit. When using as a fill unit the optional Safe Fill kit must be fitted.

FP ECO+ DIGITAL units are available, upon request, with integral thermal condensation/frost protection.

The FP ECO+ DIGITAL range are provided with 5 bar pumps as standard and adhere to Smedegaards' policy of only offering quality engineered products, built by engineers for engineers.



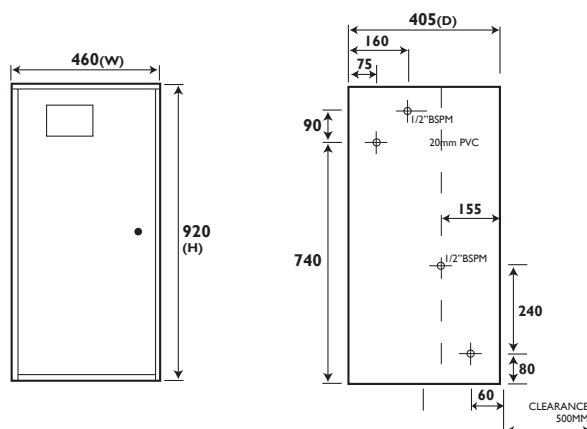
FP ECO+ DIGITAL

Standard Features

- Single and twin pump units
- 5 bar pump
- Continuously rated motors, permanent magnet, 2 pole, single phase
- Electronic control module
- Digital display
- 2 assignable volt free alarm contacts
- Remote on-off
- Leak/burst pipe detection
- Break tank with WRAS approved diaphragm ball valve
- WRAS compliant type AA break tank
- Anti seize pump exercise
- Alarm delay function
- Stove enamelled Zintec Steel enclosure

Optional features

- Frost Protection kit
- Safe Fill kit



All models share the same cabinet overall dimensions and all dimensions are in millimetres

Model	Dimensions (Millimetres)			Aprox Net Weight Dry (kg)	Full Load Current (Amps)	Connections Size Inlet/Outlet
	Width	Depth	Height			
FP ECO+ *DS5	460	406	920	40	0.7	½" BSP M.I
FP ECO+ *DT5	460	406	920	47	0.7	½" BSP M.I

*DS = Digital Single Pump, DT = Digital Twin Pump

Expansion Vessels

Expansion Vessel

The standard range of expansion vessels is 2 litres to 1000 litres. When sizing expansion vessels we recommend the maximum allowable vessel acceptance be calculated based upon 45% as this ensures long life by preventing over-stretching of the diaphragm and possible premature failure.

Expansion Vessel Sizing

For ease of sizing expansion vessels Smedegaard can provide upon request either our vessel selection slide rule and/or our definitive H & V Manual. Alternatively you can contact either your Area Manager or our Technical team at the Bridgwater head office for assistance. The standard expansion vessel range of models and sizes available are shown in Table A. Larger sizes and higher pressure vessels are available to order.

Technical Data

NPV Range

- For heating and cooling water systems
- Fixed Butyl diaphragm in accordance with DIN 4807 T3, permanent operating temperature 70°C
- Approval in accordance with the P.E.D 97/23/EC
- Pre set pressure 1.5 Bar
- 6 Bar/120°C
- Pipe mounted and horizontal vessels are also available. Please refer to our dedicated Expansion Vessel leaflet.

Expansion Vessel Dimensions - Non Potable*

Type	Weight (kg)	Ø D (mm)	H (mm)	h (mm)	A	Pre-set pressure (bar)
NPV 50	12.5	441	495	175	R ¾	1.5
NPV 80	17.0	512	570	175	R I	1.5
NPV 100	20.5	512	680	175	R I	1.5
NPV 140	28.6	512	890	175	R I	1.5
NPV 200	36.7	634	760	205	R I	1.5
NPV 300	52.0	634	1060	235	R I	1.5
NPV 500	79.0	740	1290	245	R I	1.5
NPV 600	85.0	740	1530	245	R I	1.5
NPV 800	103.5	740	1995	245	R I	1.5
NPV 1000	120.0	740	2410	245	R I	1.5

Table A



**For our full range of potable water expansion vessels, please refer to our dedicated Expansion Vessel leaflet.*

It is Smedegaard's policy to continually improve and develop its product range. We reserve the right to change specifications without prior notice. Whilst every care has been taken to ensure the data is correct, no responsibility can be taken for inaccuracies or misprints.