

# FREE STANDING PRESSURISATION SETS for HEATING & CHILLED WATER SYSTEMS



- Fully packaged baseplate mounted or component sets
- BMS Compatible
- Single or three phase models available
- Single and twin pump units
- Single or twin outlet units
- Breaktank with type AA air gap (cat 5)
- 3 and 6 bar models available
- Full range of expansion vessels 5 to 3000 litres

**FloorPress PREMIER™ Range**  
Peace of mind

**SMEDEGARD**  
Pumping Technology

## FloorPress PREMIER™ Range

Smedegaard Pumps have for 20 years been manufacturing a comprehensive range of pressurisation equipment for sealed heating and chilled water systems. The models vary from a single pump module with separate expansion vessel to a baseplate mounted twin pump, twin outlet unit with all models being suitable for use in conjunction with a Building Management System.

The FloorPress PREMIER™ Range is the latest development in Smedegaard's quality range of pressurisation units. The new models feature electronic pump control with a backlit digital display and transducer pressure sensing. All FloorPress models have an adjustable service reminder, as well as date and time error log facility as standard.

The single pump FloorPress module has the following features/components housed in a stove enamelled cabinet:-

### Standard Features

- 3 and 6 bar pump with continuously rated single phase motor
- Anti seizing pump exercise
- 2 assignable volt free contacts for boiler/chiller interlock
- Reprogrammable displayed contact telephone number in event of a fault
- Built in thermal motor protection
- Interconnecting pipework and fittings
- Audible and visual alarm indication with mute
- Pump dry run protection with programmable delay for break tank refilling
- Suitable for use as a fill set, thereby eliminating the need for RPZ valves
- Replaceable pump protection fuses
- Programmable burst pipe protection
- Removable terminals for ease of wiring
- Break tank with ball valve and type AA air gap (Cat 5)
- Password protection.
- Pump hours run log
- TRIAC control for reliability and spark free pump operation
- Removable door and lid for ease of service



Fig. A

### Optional Features

- Twin Pump Package
- Door interlocked isolator
- 3 phase supply version with door interlocked isolator (neutral required)
- Twin outlet units
- Relay board with 7 volt free contacts for pump run, system fault, pump fault, water leak, low water, high pressure and low pressure
- 6 bar pump sets
- Packaged units complete with vessel(s) on a common baseplate

### Model Identification

#### FloorPress3S Mono Plus HC/Int - 300L/B

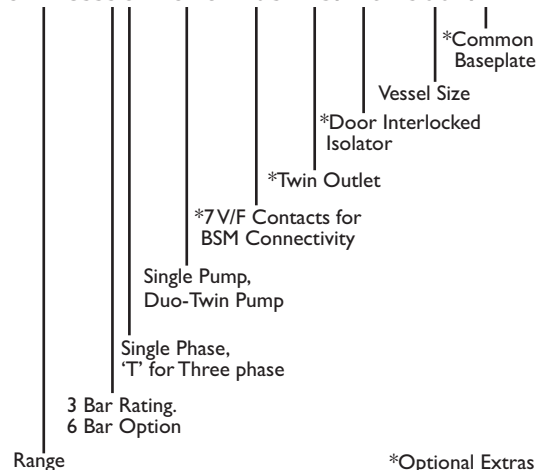




Fig. B



Fig. C

## Twin Outlet Sets

Twin outlet modules enable two separate systems, usually heating and chilled water, to be pressurised from a single unit. As illustrated these are normally supplied for separate mounting of module and vessels, as example Fig B.

## Module/Vessel Arrangements

All modules are supplied in the fully packaged form with expansion vessels supplied loose, as example Fig A. This is particularly useful where a multiple of vessels is required to accommodate large system expansion. Alternatively, the modules can be fitted onto an extended steel baseplate with a suitably sized expansion vessel pre-piped to the module, as example Fig C.

## Expansion Vessels

The standard range of expansion vessels, 5 to 1000 litre, have E.P.D.M. rubber replaceable diaphragms. The use of this material also allows the same vessels to be fitted into potable and H.W.S. systems. We restrict the maximum allowable vessel acceptance to 45% which prevents over-stretching of the diaphragm and possible premature failure. Suitable for temperatures up to 95°C and 10 bar working pressure.

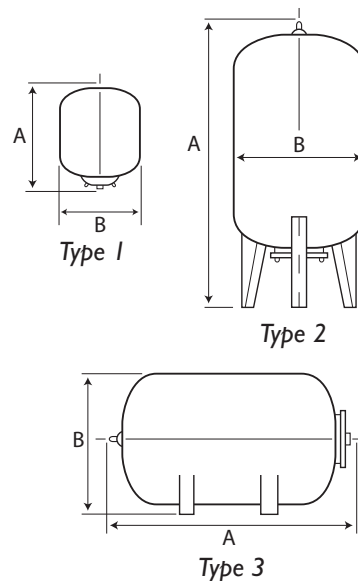
## Expansion Vessel Dimensions

Capacity Litres	Max. Pressure bar	Connection Size BSP	A mm	B mm	Weight 'Dry'
<b>Type 1 (Pipeline mounting)</b>					
5	8	3/4" M	230	200	5
8	8	3/4" M	320	200	5
18	8	3/4" M	405	270	6
24	8	3/4" M	495	260	7
<b>Type 2 (Vertical standing)</b>					
60	10	1" M	855	400	19
80	10	1" M	900	460	21
100	10	1" M	880	500	23
150	10	1" M	1030	510	43
200	10	1 1/4" M	1253	590	62
300	10	1 1/4" M	1371	650	65
500	10	1 1/4" M	1600	766	97
750	10	2" F	1970	800	222
1000	10	2 1/2" F	2430	800	296
1500	10	2 1/2" F	2130	1000	251
2000	10	2 1/2" F	2250	1100	371
3000	10	2 1/2" F	2890	1100	550
<b>Type 3 (Horizontal standing)</b>					
24	8	1" M	495	260	8
50	10	1" M	700	405	16
60	10	1" M	810	405	18
80	10	1" M	970	495	21
100	10	1" M	990	495	22
200	10	1 1/4" M	1220	625	62
300	10	1 1/4" M	1220	680	79

Table A

## Expansion Vessel Sizing

For ease of sizing expansion vessels Smedegaard can provide upon request either our 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. Models and sizes available are shown in Table A.



# FloorPress PREMIER™ Range

Fig. 1 FloorPress Module

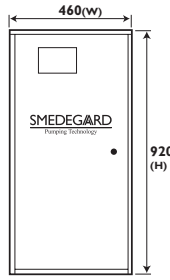


Fig. 2 FloorPress - B Models

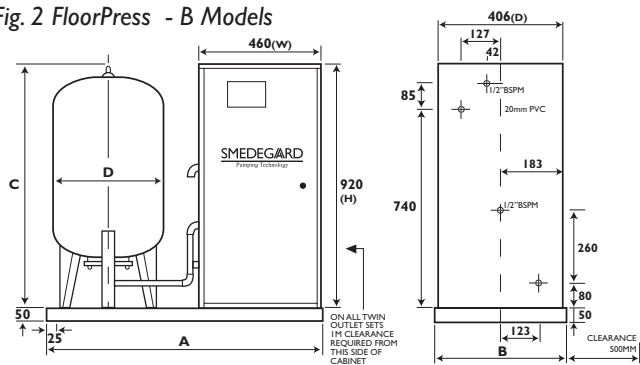


Fig. 3 FloorPress - 25B

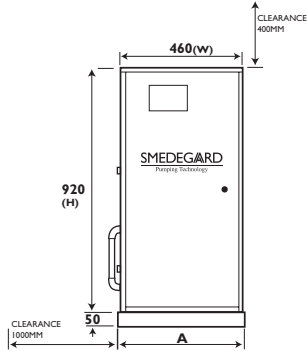
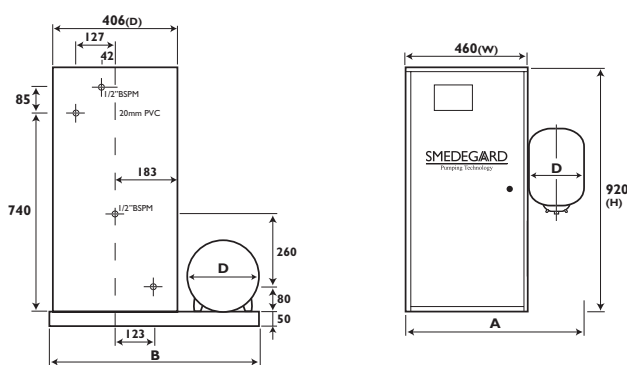


Fig. 4 FloorPress - 25M



## Electrical Data

Model	Motor kW	Current (Amps)		Dimensions			Approx Net Weight - kg*	
		230 - 1 50	400-3-50	W	H	D	Single Pump	Twin Pump
		Full Load	Full Load					
FloorPress 3	0.5	2.47	2.47	460	920	406	40	47
FloorPress 6	0.6	3.05	3.05	460	920	406	41	49

N.B: 400-3-50 sets require a neutral and draw the power from a single phase

## Dimensions in mm

Model	A	B	C	D	Approx Net Weight - Kg*	
					Single Pump	Twin Pump
FloorPress 25M**	720	500	920	260	49	56
FloorPress 25B***	620	700	920	260	56	63
FloorPress 60B	1100	500	920	415	76	83
FloorPress 80B	1100	500	920	485	78	85
FloorPress 100B	1400	700	920	485	91	98
FloorPress 150B	1400	700	1030	510	111	118
FloorPress 200B	1400	700	1235	640	130	137
FloorPress 300B	1400	700	1365	900	133	140
FloorPress 500B	1500	850	1600	900	165	172
FloorPress 750B	1500	850	2120	800	315	322
FloorPress 1000B	1500	850	2100	850	389	396

\*\*Vessel is vertical and fitted on side of cabinet Fig 4.

\*\*\*Vessel is horizontal and fitted behind cabinet Fig 3.

\*Weights are 'dry' inclusive of module, vessel and base

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