# Technical submittal

Products: **Burstock expansion vessel PV300W**
Project:
Customer: Date:

- Floor standing expansion vessel
- 300 litres capacity
- 10bar max pressure
- Nitrogen pre-charged
- 1.7bar pre-charge pressure (Heating)
- 3.5bar pre-charge available on request (DHW)
- WRAS approved
- Butyl rubber diaphragm suitable for temperatures of 70°C



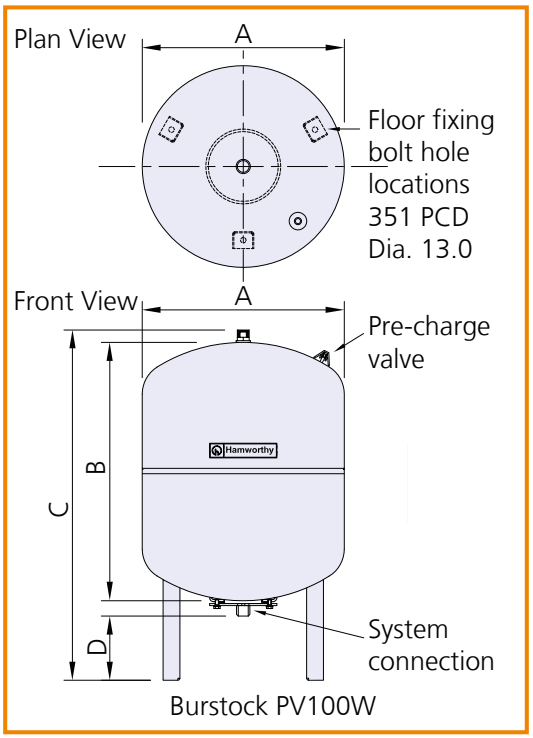

| Model | Capacity (litres) | Connection size | Max pressure (bar) | Shipping weight (kg) | Pre-charge pressure (bar) | | Dimensions | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Heating | DHW | A | B | C | D |
| PV300W | 300 | G1¼" | 10 | 54 | 1.7 | * | 634 | 1040 | 1267 | 144 |

* 3.5 bar pre-charge available on request

| Model no. | Vessel(s) capacity (litres) | # Max. system volume supported for given vessel capacity (litres) | | † Estimated max. installed boiler power for given vessel capacity (kW) | |
|---|---|---|---|---|---|
| | | Water only | @10% antifreeze | Water only | @10% antifreeze |
| PV300W | 300 | 3621 | 3191 | 362 | 319 |

# Based on 80°C maximum flow temperature and factory pre-sets: Cold fill pressure = 1.8bar, vessel charge pressure = 1.7bar, acceptance volume factor 0.35, expansion factors: water 0.029, antifreeze @10% solution 0.0329.

† Estimated using 1kW of installed power for every 10 litres of system volume. Note that maximum system volume supported by a given vessel capacity is around 12% less for a system using antifreeze @10% solution in water when compared against using water alone.



Burstock PV100W

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