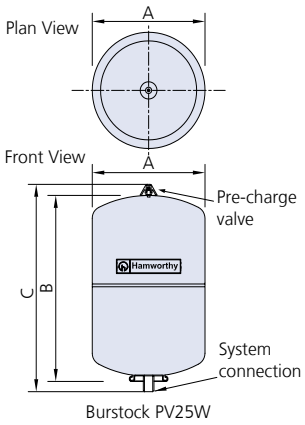
CAPACITIES OF

10 MODELS

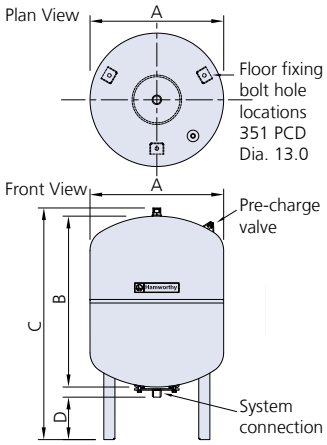
25-1000 LITRES

# Burstock - technical data & dimensions

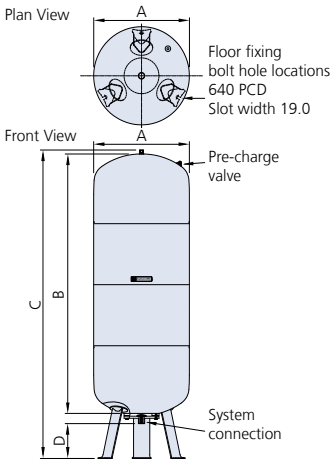
## Burstock expansion vessel



Burstock PV25W



Burstock PV100W



Burstock PV800W

Note: All dimensions in mm unless otherwise stated.

| Model No. | Capacity (litres) | Connection size | Max pressure (bar) | Shipping weight (kg) | Pre-charge pressure (bar) for use in: | | Dimensions (mm) | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Heating | DHW | A | B | C | D |
| PV25W** | 25 | G 3/4" | 10 | 5 | 1.7 | 3.5 | 280 | 448 | 499 | n/a |
| PV60W | 60 | G 1" | 10 | 14 | 1.7 | 3.5 | 409 | 510 | 734 | 161 |
| PV80W | 80 | G 1" | 10 | 16 | 1.7 | 3.5 | 480 | 510 | 729 | 152 |
| PV100W | 100 | G 1" | 10 | 19 | 1.7 | 3.5 | 480 | 615 | 834 | 152 |
| PV200W | 200 | G 1 1/4" | 10 | 40 | 1.7 | * | 634 | 740 | 967 | 144 |
| PV300W | 300 | G 1 1/4" | 10 | 54 | 1.7 | * | 634 | 1040 | 1267 | 144 |
| PV400W | 400 | G 1 1/4" | 10 | 70 | 1.7 | * | 740 | 1030 | 1245 | 133 |
| PV500W | 500 | G 1 1/4" | 10 | 79 | 1.7 | * | 740 | 1260 | 1475 | 133 |
| PV800W | 800 | G 1 1/2" | 10 | 195 | 1.7 | * | 740 | 1955 | 2325 | 263 |
| PV1000W | 1000 | G 1 1/2" | 10 | 228 | 1.7 | * | 740 | 2235 | 2604 | 263 |

*3.5 bar pre-charge available on request. **Wall bracket kit variant available.

## Expansion vessel selection for heating systems at 80°C

| 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 |
| PV25W** | 25 | 302 | 266 | 30 | 26 |
| PV60W | 60 | 724 | 638 | 72 | 63 |
| PV80W | 80 | 966 | 851 | 96 | 85 |
| PV100W | 100 | 1207 | 1064 | 120 | 106 |
| PV200W | 200 | 2414 | 2127 | 241 | 212 |
| PV300W | 300 | 3621 | 3191 | 362 | 319 |
| PV400W | 400 | 4828 | 4255 | 482 | 425 |
| PV500W | 500 | 6034 | 5319 | 603 | 531 |
| 2 x PV300W | 600 | 7241 | 6383 | 724 | 638 |
| 1 x PV300W +1 x PV400W | 700 | 8448 | 7447 | 845 | 744 |
| PV800W | 800 | 9655 | 8511 | 965 | 851 |
| 1 x PV500W +1 x PV400W | 900 | 10862 | 9574 | 1086 | 957 |
| PV1000W | 1000 | 12069 | 10638 | 1206 | 1063 |

*Based on 80°C maximum flow temperature, and factory presets*: Cold fill pressure=1.8 bar, vessel charge pressure=1.7 bar, acceptance volume factor 0.35, expansion factors: water 0.029, antifreeze @10% solution 0.0329. **Estimated using 1 kW of installed power for every 10 litres of system volume. Note that the 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 one using water alone.*