

EXPANSION VESSELS FOR DRINKING WATER



AQUAFILL HW Expansion Vessels

HW Expansion Vessels are intended for cold and hot water piping. They are used with whole house water pressure boosting pumps or hot water heaters. They also absorb water hammer effects in a piping which extends the service life and reliability of hot water storages and the entire system.


The vessels are manufactured of high-quality steel with anti-corrosion surface treatment. There is a non-permeable, highly elastic bladder inside the vessel, resistant to high temperatures. In 60-l vessels and bigger, the bladder is replaceable.


Technical Data

| | |
|---------------------|----------------------------------|
| VESSEL MATERIAL | steel |
| BLADDER MATERIAL | EPDM |
| FLANGE MATERIAL | stainless steel |
| PRE-CHARGE PRESSURE | 3.5/2 bar (to 40 l/from 60 l up) |
| WORKING TEMPERATURE | -10 to 99 °C |

The right size of an expansion vessel shall be calculated by a heating engineer. When used with a hot water storage, the expansion vessel size is recommended by the manufacturer of the storage.

Dimensions and Models

| WALL HUNG MODELS | | HW016 | HW002 | HW005 | HW008 | HW012 | HW018 | HW025 | HW040 | |
|---|-----------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | VOLUME | l | 0,16 | 2 | 5 | 8 | 12 | 18 | 25 | 40 |
| | DIAMETER | mm | 65 | 125 | 160 | 200 | 270 | 270 | 290 | 320 |
| | HEIGHT | mm | 105 | 237 | 325 | 337 | 300 | 422 | 465 | 560 |
| | CONNECTION | -- | 1/2" M | 1/2" M | 3/4" M | 3/4" M | 3/4" M | 3/4" M | 3/4" M | 3/4" M |
| | MAX. WORKING PRESSURE | bar | 15 | 10 | 8 | 8 | 8 | 8 | 8 | 8 |
| | CODE | -- | 13752 | 13753 | 13754 | 13755 | 13756 | 13757 | 13758 | 13759 |

| FLOOR STANDING MODELS WITH REPLACEABLE BLADDER | | HW060 | HW080 | HW100 | HW200 | HW300 | HW400 | |
|---|-----------------------|-------|-------|-------|-------|--------|--------|--------|
|  | VOLUME | l | 60 | 80 | 100 | 200 | 300 | 400 |
| | DIAMETER | mm | 380 | 450 | 450 | 554 | 624 | 624 |
| | HEIGHT | mm | 671 | 650 | 731 | 988 | 1160 | 1520 |
| | CONNECTION | -- | 1" M | 1" M | 1" M | 6/4" M | 6/4" M | 6/4" M |
| | MAX. WORKING PRESSURE | bar | 10 | 10 | 10 | 10 | 10 | 10 |
| | CODE | -- | 13760 | 13761 | 13762 | 13763 | 13764 | 13765 |

Accessories



Wall mount bracket and connection valve G 3/4" F/M
Code 7766



Connection valve
3/4" code 8770
1" code 12295
6/4" code 14492



Wall mount bracket incl. screws and dowels
Code 12174



Replaceable bladder

| VOLUME | CODE |
|--------------|-------|
| 60l | 13788 |
| 80 and 100l | 13789 |
| 200l | 13971 |
| 300 and 400l | 13972 |

