## Energy buffer storage tank EnerVal G (1000-4000)

- Steel energy buffer storage tank for the hydraulic integration of heating boilers, heat pumps and solar energy systems
- Flow diversions permanently installed
- 1x sleeve Rp 1½″ for screw-in electric heating element
- 8 connection sleeves Rp 2″
- 2 connection sleeves Rp 3″
- 1 sleeve Rp ½″ for sensor/thermometer
- 1 sleeve Rp ½″ with thermometer and immersion sleeve mounted
- Terminal strips for contact sensors
- Perforated separating plate in the central area for separation of the temperature zones
- 10 cover caps with EnerVal (1000-2500) insulated made of EPP hard foam, 2-piece (can be broken out)
- Thermal insulation made of polyester fibre with foil jacket, colour red

*Delivery*

- Energy buffer storage tank (1000,1500) mounted and packed with foil jacket (can be removed for installation)
- Energy buffer storage tank (2500) thermal insulation separate
- Cover caps (insulated, can be removed and broken out) for thermal insulation already mounted
- Energy buffer storage tank (4000) raw packed without thermal insulation (on site)

**Range**

| EnerVal G type | Nominal content l | Operating pressure bar |
|---|---|---|
| (1000) | 927 | 6 |
| (1500) | 1425 | 6 |
| (2500) | 2419 | 6 |
| (4000) | 4021 | 6 |
| (6000) | 5897 | 6 |

## Energy buffer storage tank EnerVal G (6000)

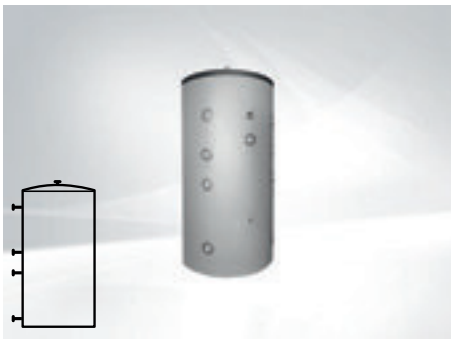
- 8 connection sleeves R 3″ (ext. thread)
- 2 connection flanges DN 100 PN 6
- 1 sleeve Rp ½″ for sensor/thermometer
- 1 sleeve Rp ½″ with thermometer and immersion sleeve mounted
- Terminal strips for contact sensors
- 1 sleeve Rp 1½″ for screw-in electric heating element
- Flow diversions permanently installed
- Perforated separating plate in the central area for separation of the temperature zones

*Delivery*

- Energy buffer storage tank, packed, without thermal insulation
- Thermal insulation to be provided on site

**Energy buffer storage tank**
cannot be used in refrigeration plants.

## Energy buffer storage tank



### EnerVal G (1000-6000)

EnerVal G (1000,1500) fully insulated;
EnerVal G (2500), thermal insulation separately;
EnerVal G (4000,6000) packaged,
without thermal insulation.
**Thermal insulation to be provided on site;**
steel tank raw on the inside.

| EnerVal G type | Nominal content l | Part No. |
|---|---|---|
| (1000) | 927 | 7016 749 |
| (1500) | 1425 | 7016 750 |
| (2500) | 2419 | 7016 751 |
| (4000) | 4021 | 6052 105 |
| (6000) | 5897 | 6052 106 |

**EnerVal G (1000-6000)**
Cold accumulator version on request

## Accessories

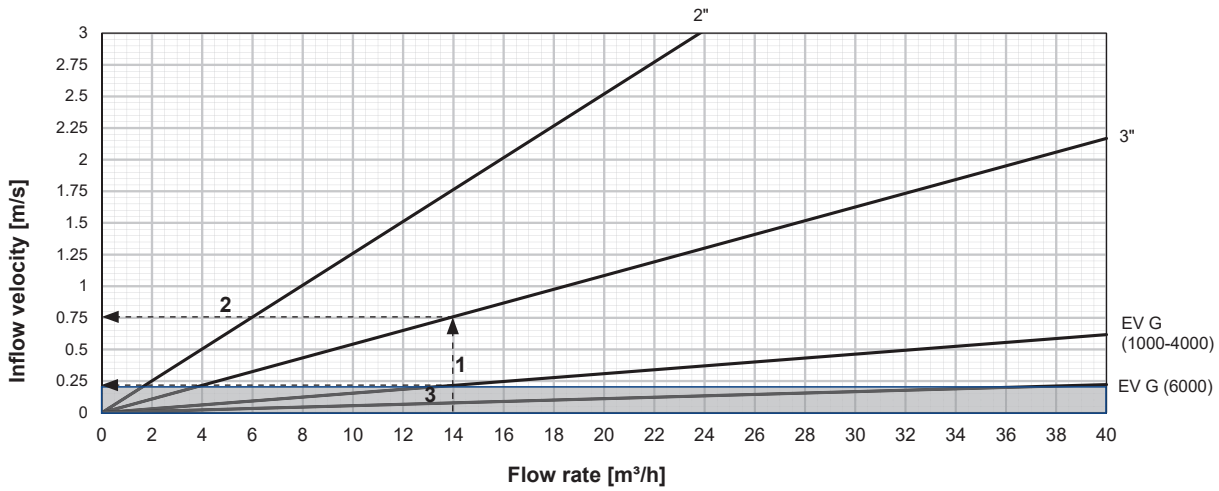
**Thermometer kit** — 6052 107
for EnerVal (200-6000)
Thermometer 0-120 °C with
chromium plated edge and Hoval logo
Stem length: 80 mm, stem Ø: 9 (13) mm,
External Ø: 80 mm
incl. immersion sleeve ½″ nickel-plated
brass, installation length: 200 mm,
external Ø: 16 mm, internal Ø: 15 mm
and clamping spring

**Flow temperature guard** — 6010 082
**RAK-TW1000.S SB 150.**
Immersion thermostat incl.
immersion sleeve ½″, immersion
depth 150 mm.

## EnerVal G (1000-6000)

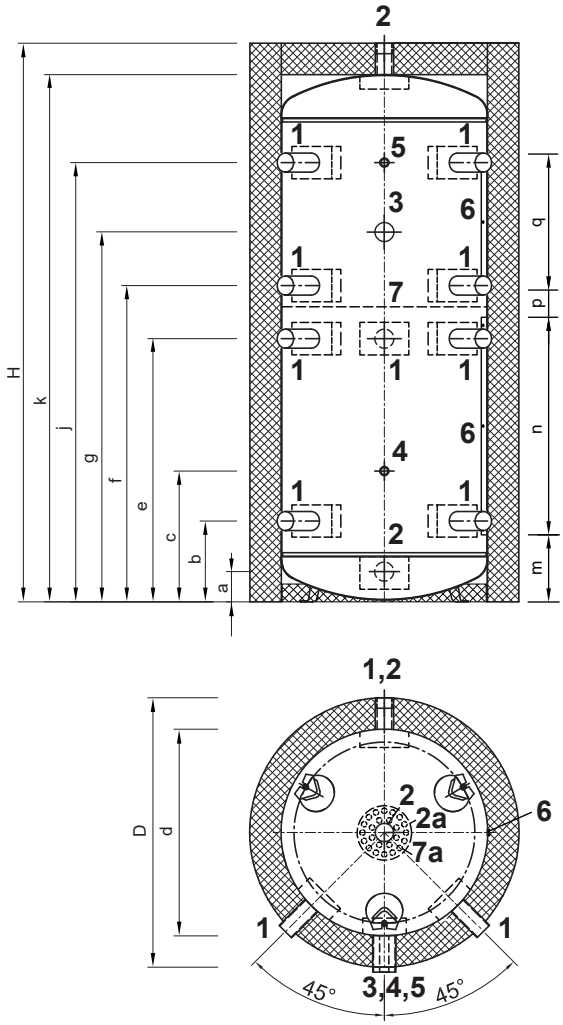
| Type | | (1000) | (1500) | (2500) | (4000) | (6000) |
|---|---|---|---|---|---|---|
| • Nominal content | l | 922 | 1416 | 2419 | 4021 | 5897 |
| • Operating/test pressure | bar | 6/8 | 6/8 | 6/8 | 6/8 | 6/8 |
| • Maximum operating temperature | °C | 95 | 95 | 95 | 95 | 95 |
| • Thermal insulation made from polyester fleece | mm | 120 | 120 | 120 | - | - |
| • Thermal insulation λ | W/mK | 0.040 | 0.040 | 0.040 | - | - |
| • Fire protection class | | B2 | B2 | B2 | - | - |
| • Heat loss at 65 °C | W | 139 | 164 | 204 | - | - |
| • Transport weight | kg | 163 | 235 | 411 | 773 | 1013 |
| • U value | $W/m^2K$ | 0.360 | 0.338 | 0.310 | - | - |
| **Dimensions** | | see dimensional drawing | | | | |

**Velocity in the connection nozzles and inflow velocity with flow deflection in the EnerVal G (1000-6000)**

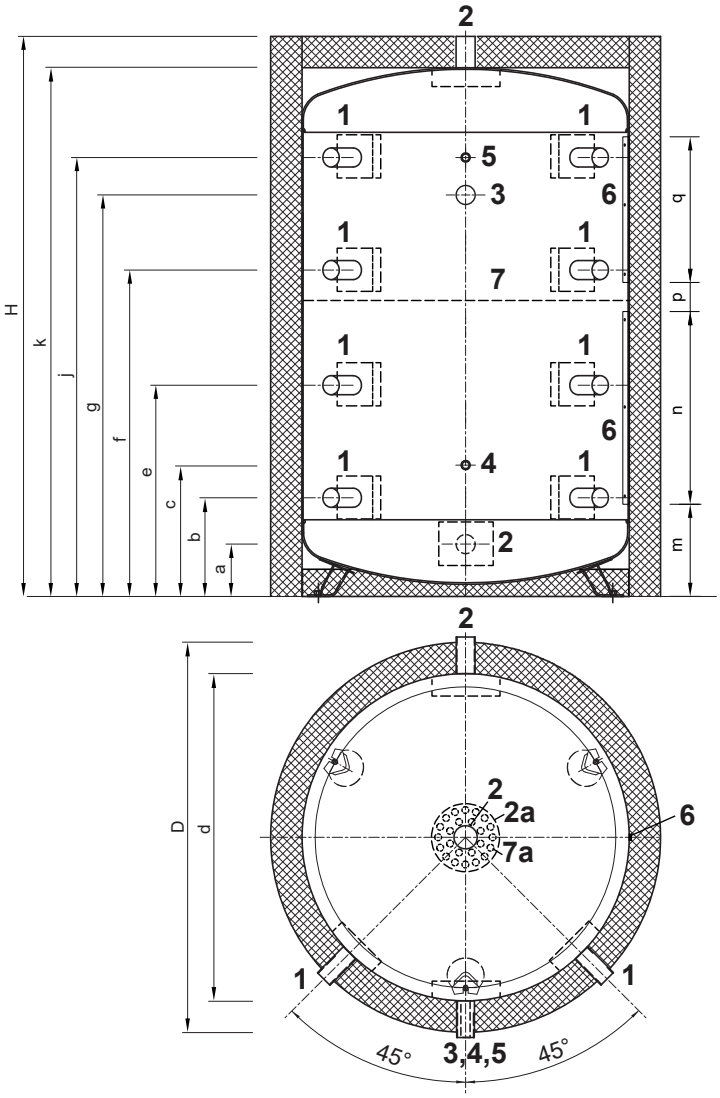



1 = Flow rate
2 = Velocity in the connection nozzles
3 = Inflow velocity with flow deflection in the EnerVal G

## EnerVal G (1000)
(Dimensions in mm)




## EnerVal G (1500,2500)

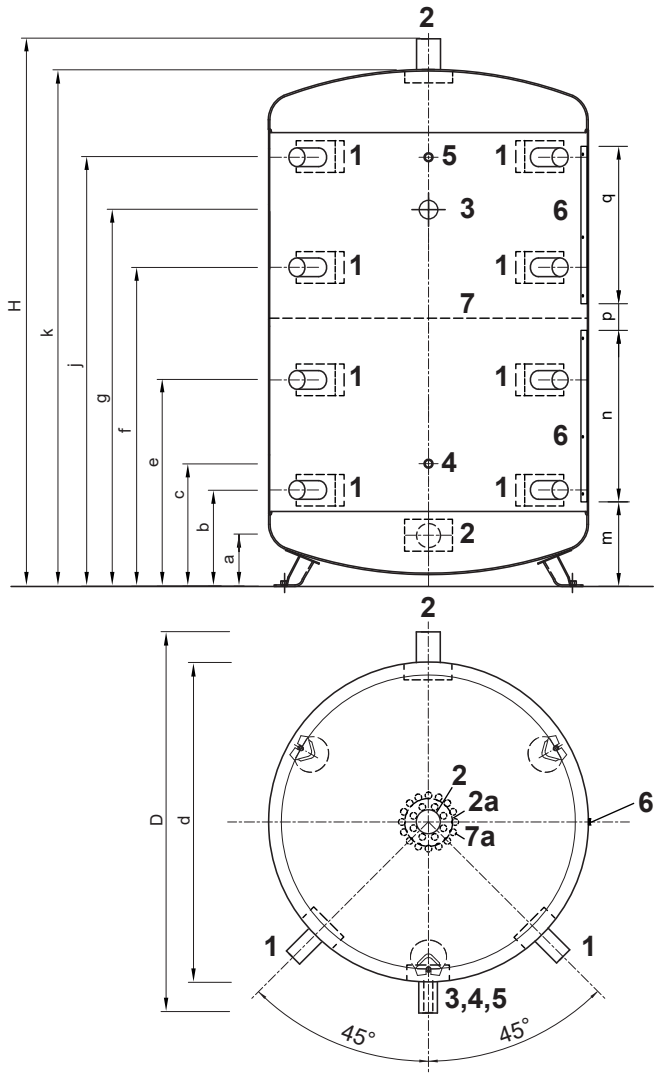



| | | (1000,1500) | (2500) |
|---|---|---|---|
| 1 | Heating connection | G 2″ (IT) | Rp 2″ (IT) |
| 2 | Heating connection | G 3″ (IT) | Rp 3″ (IT) |
| 2a | Baffle plate for heating connection 2 | | |
| 3 | Connection for screw-in electric heating element | G 1½″ (IT) | Rp 1½″ (IT) |
| 4 | Sleeve for immersion sleeve, thermostat or thermometer | G ½″ (IT) | Rp ½″ (IT) |
| 5 | Thermometer with immersion sleeve (mounted) | | |
| 6 | Sensor terminal bar | | |
| 7 | Isolation plate | | |
| 7a | Holes of the separating plate | | |

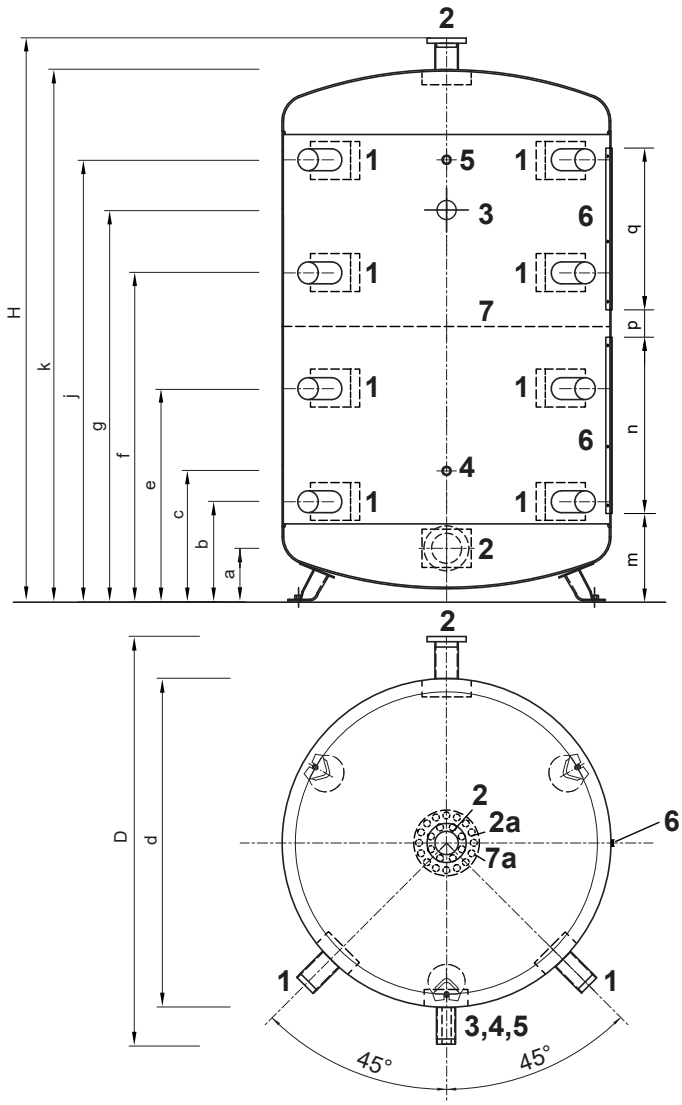
Deviations possible as a result of manufacturing tolerances. Dimensions +/- 10 mm

| EnerVal G type | D | d | H | a | b | c | e | f | g | j | k | m | n | p | q | Tilted measure |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1000) | 1030 | 790 | 2135 | 116 | 309 | 500 | 1006 | 1209 | 1444 | 1679 | 2015 | 299 | 700 | 50 | 600 | 2177 |
| (1500) | 1240 | 1000 | 2149 | 200 | 377 | 568 | 807 | 1247 | 1462 | 1677 | 2029 | 367 | 700 | 50 | 600 | 2212 |
| (2500) | 1440 | 1200 | 2512 | 250 | 435 | 626 | 900 | 1538 | 1770 | 2003 | 2392 | 425 | 700 | 50 | 600 | 2560 |

## EnerVal G (4000)
(Dimensions in mm)




## EnerVal G (6000)




| | | |
|---|---|---|
| 1 | Heating connection | |
| | EnerVal G (4000): nozzle length: 200 mm | Rp 2″ (IT) |
| | EnerVal G (6000): nozzle length: 200 mm | Rp 3″ (IT) |
| 2 | Heating connection | |
| | EnerVal G (4000): nozzle length: 200 mm | R 3″ (ET) |
| | EnerVal G (6000): welded-on flange PN 6 flange, nozzle length: 200 mm | DN 100 |
| 2a | Baffle plate for heating connection 2 | |
| 3 | Connection for screw-in electric heating element | Rp 1½″ (IT) |
| 4 | Sleeve for immersion sleeve, thermostat or thermometer | Rp ½″ (IT) |
| 5 | Thermometer with immersion sleeve (mounted) | |
| 6 | Sensor terminal bar | |
| 7 | Isolation plate | |
| 7a | Holes of the separating plate | |

Deviations possible as a result of manufacturing tolerances. Dimensions +/- 10 mm

**Thermal insulation on site**

| EnerVal G type | D | d | H | a | b | c | e | f | g | j | k | m | n | p | q | Tilted measure |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (4000) | 2000 | 1500 | 2776 | 325 | 516 | 707 | 1090 | 1577 | 1947 | 2151 | 2576 | 506 | 700 | 50 | 600 | 2854 |
| (6000) | 2000 | 1500 | 3886 | 315 | 528 | 720 | 1435 | 2342 | 2796 | 3249 | 3686 | 518 | 700 | 50 | 600 | 3945 |