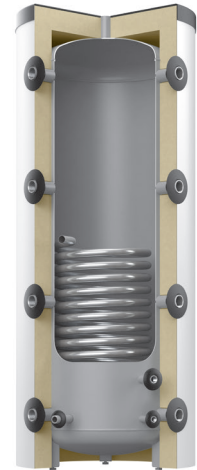


Storatherm Heat

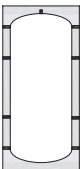

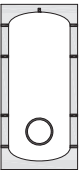


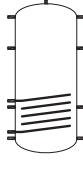
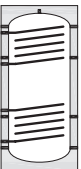

EN

Storatherm Heat buffer storage tank

- Storage tank made of high-grade steel S235JRG2 (RSt 37-2)
- Type "HF..." with Buffer storage tank with thermal insulation, CFC-free PU flexible foam, removable, with coloured foil cladding, available colours are white, orange, blue and silver
- For cooling water systems, Storatherm buffer storage tanks are also available without foam insulation (Type „H...“); in this case, appropriate diffusion-resistant insulation must be provided on-site
- Untreated on the inside, with an outer plastic coating
- Insulation for heating water systems for 3000 l, 4000 l and 5000 l sizes is available separately
- Operating conditions: heating water max. 95 °C / 3 bar (from 1500 l 6 bar)
heat exchanger max. 110 °C / 16 bar



Overview Storatherm Heat

| | | | |
|---|---|---|--|
|  | <p>HF ...</p> <p>Basic buffer storage tank 200-5000 l</p> <p>Insulation: PU flexible foam, with foil cladding</p> |  | <p>H ...</p> <p>Basic buffer storage tank 200-5000 l</p> <p>Without insulation</p> |
|  | <p>HF .../R</p> <p>Buffer storage tank with additional cleaning and inspection aperture 300-5000 l</p> <p>Insulation: PU flexible foam, with foil cladding</p> |  | <p>H .../R</p> <p>Buffer storage tank with additional cleaning and inspection aperture 300-5000 l</p> <p>Without insulation</p> |
|  | <p>HF .../1</p> <p>Buffer storage tank with a smooth tube heat exchanger for connecting an addi- tional heat source 300-5000 l</p> <p>Insulation: PU flexible foam, with foil cladding</p> |  | <p>H .../1</p> <p>Buffer storage tank with a smooth tube heat exchanger for connecting an addi- tional heat source 300-5000 l</p> <p>Without insulation</p> |
|  | <p>HF .../2</p> <p>Buffer storage tank with two smooth tube heat exchangers for connecting two addi- tional heat sources 500-2000 l</p> <p>Insulation: PU flexible foam, with foil cladding</p> |  | <p>H .../2</p> <p>Buffer storage tank with two smooth tube heat exchangers for connecting two addi- tional heat sources 500-2000 l</p> <p>Without insulation</p> |

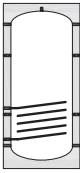
| Basic buffer storage tank Insulation: PU flexible foam, with foil cladding | | | | Nominal volume | Diameter without/ with insulation | Height without = with insulation | Diagonal height | Insulation thickness | Standby heat loss | Energy efficiency class |
|---|---------|-------------|---------|----------------|-----------------------------------|----------------------------------|-----------------|----------------------|-------------------|-------------------------|
| | Type | Article no. | | l | mm | mm | mm | mm | kWh/24h | |
| | | White | Silver | | | | | | | |
| | HF 200 | 8500000 | 8502000 | 200 | 480 / 660 | 1500 | 1525 | 90 | n.a. | n.a. |
| | HF 300 | 8500010 | 8502010 | 300 | 597 / 777 | 1320 | 1355 | 90 | n.a. | n.a. |
| | HF 500 | 8500020 | 8502020 | 500 | 597 / 777 | 1950 | 1975 | 90 | n.a. | n.a. |
| | HF 800 | 8500030 | 8502030 | 800 | 790 / 970 | 1825 | 1870 | 90 | n.a. | n.a. |
| | HF 1000 | 8500040 | 8502040 | 1000 | 790 / 970 | 2115 | 2153 | 90 | n.a. | n.a. |
| | HF 1500 | 8500050 | 8502050 | 1500 | 1000 / 1180 | 2120 | 2178 | 90 | n.a. | n.a. |
| | HF 2000 | 8500060 | 8502060 | 2000 | 1200 / 1380 | 2122 | 2200 | 90 | n.a. | n.a. |


| Basic buffer storage tank Without insulation | | | | Nominal volume | Diameter without/ with insulation | Height without = with insulation | Diagonal height | Insulation thickness | Standby heat loss | Energy efficiency class |
|---|---------|-------------|--------|----------------|-----------------------------------|----------------------------------|-----------------|----------------------|-------------------|-------------------------|
| | Type | Article no. | | l | mm | mm | mm | mm | kWh/24h | |
| | | White | Silver | | | | | | | |
| | H 200 | 7788000 | | 200 | 480 | 1500 | 1525 | 90 | n.a. | n.a. |
| | H 300 | 7783000 | | 300 | 597 | 1320 | 1355 | 90 | n.a. | n.a. |
| | H 500 | 7783100 | | 500 | 597 | 1950 | 1975 | 90 | n.a. | n.a. |
| | H 800 | 7783225 | | 800 | 790 | 1825 | 1870 | 90 | n.a. | n.a. |
| | H 1000 | 7783333 | | 1000 | 790 | 2115 | 2153 | 90 | n.a. | n.a. |
| | H 1500 | 7783400 | | 1500 | 1000 | 2120 | 2178 | 90 | n.a. | n.a. |
| | H 2000 | 7783500 | | 2000 | 1200 | 2122 | 2200 | 90 | n.a. | n.a. |
| | H 3000* | 7788100 | | 3000 | 1500 / 1680 | 2101 | 2205 | 90 | n.a. | n.a. |
| | H 4000* | 7788400 | | 4000 | 1500 / 1680 | 2676 | 2756 | 90 | n.a. | n.a. |
| | H 5000* | 7788700 | | 5000 | 1500 / 1680 | 3211 | 3264 | 90 | n.a. | n.a. |


| Buffer storage tank with additional cleaning and inspection aperture Insulation: PU flexible foam, with foil cladding | | | | Nominal volume | Diameter without/ with insulation | Height without = with insulation | Diagonal height | Insulation thickness | Standby heat loss | Energy efficiency class |
|--|-----------|-------------|---------|----------------|-----------------------------------|----------------------------------|-----------------|----------------------|-------------------|-------------------------|
| | Type | Article no. | | l | mm | mm | mm | mm | kWh/24h | |
| | | White | Silver | | | | | | | |
| | HF 300/R | 8500070 | 8502070 | 300 | 597 / 777 | 1320 | 1355 | 90 | n.a. | n.a. |
| | HF 500/R | 8500080 | 8502080 | 500 | 597 / 777 | 1950 | 1974 | 90 | n.a. | n.a. |
| | HF 800/R | 8500090 | 8502090 | 800 | 790 / 970 | 1825 | 1870 | 90 | n.a. | n.a. |
| | HF 1000/R | 8500100 | 8502100 | 1000 | 790 / 970 | 2115 | 2153 | 90 | n.a. | n.a. |
| | HF 1500/R | 8500200 | 8502200 | 1500 | 1000 / 1180 | 2120 | 2178 | 90 | n.a. | n.a. |
| | HF 2000/R | 8500300 | 8502300 | 2000 | 1200 / 1380 | 2122 | 2200 | 90 | n.a. | n.a. |

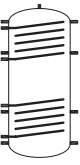
| Buffer storage tank with additional cleaning and inspection aperture Without insulation | | | | Nominal volume | Diameter without/ with insulation | Height without = with insulation | Diagonal height | Insulation thickness | Standby heat loss | Energy efficiency class |
|--|-----------|-------------|--------|----------------|-----------------------------------|----------------------------------|-----------------|----------------------|-------------------|-------------------------|
| | Type | Article no. | | l | mm | mm | mm | mm | kWh/24h | |
| | | White | Silver | | | | | | | |
| | H 300/R | 7783600 | | 300 | 597 | 1320 | 1355 | 90 | n.a. | n.a. |
| | H 500/R | 7783800 | | 500 | 597 | 1950 | 1975 | 90 | n.a. | n.a. |
| | H 800/R | 7784005 | | 800 | 790 | 1825 | 1870 | 90 | n.a. | n.a. |
| | H 1000/R | 7784205 | | 1000 | 790 | 2115 | 2153 | 90 | n.a. | n.a. |
| | H 1500/R | 7784400 | | 1500 | 1000 | 2120 | 2178 | 90 | n.a. | n.a. |
| | H 2000/R | 7784600 | | 2000 | 1200 | 2122 | 2200 | 90 | n.a. | n.a. |
| | H 3000/R* | 7788200 | | 3000 | 1500 / 1680 | 2101 | 2205 | 90 | n.a. | n.a. |
| | H 4000/R* | 7788500 | | 4000 | 1500 / 1680 | 2676 | 2756 | 90 | n.a. | n.a. |
| | H 5000/R* | 7788800 | | 5000 | 1500 / 1680 | 3211 | 3264 | 90 | n.a. | n.a. |

* Insulation for heating water systems is available separately.

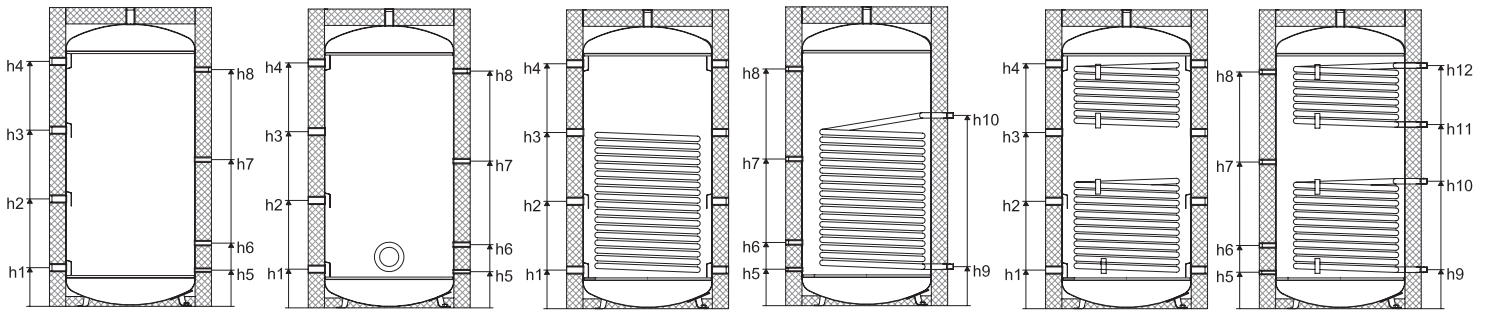
| Buffer storage tank with a smooth tube heat exchanger for connecting an additional heat source Insulation: PU flexible foam, with foil cladding | | | | Nominal volume | Diameter without/ with insulation | Height without = with insulation | Diagonal height | Insulation thickness | Standby heat loss | Energy efficiency class |
|--|-----------|-------------|---------|----------------|-----------------------------------|----------------------------------|-----------------|----------------------|-------------------|-------------------------|
| | Type | Article no. | | l | mm | mm | mm | mm | kWh/24h | |
| | | White | Silver | | | | | | | |
|  | HF 300/1 | 8500400 | 8502400 | 300 | 597/777 | 1320 | 1355 | 90 | n.a. | n.a. |
| | HF 500/1 | 8500500 | 8502500 | 500 | 597/777 | 1950 | 1975 | 90 | n.a. | n.a. |
| | HF 800/1 | 8500600 | 8502600 | 800 | 790/970 | 1825 | 1870 | 90 | n.a. | n.a. |
| | HF 1000/1 | 8500700 | 8502700 | 1000 | 790/970 | 2115 | 2153 | 90 | n.a. | n.a. |
| | HF 1500/1 | 8500800 | 8502800 | 1500 | 1000/1180 | 2120 | 2178 | 90 | n.a. | n.a. |
| | HF 2000/1 | 8500900 | 8502900 | 2000 | 1200/1380 | 2122 | 2200 | 90 | n.a. | n.a. |

| Buffer storage tank with a smooth tube heat exchanger for connecting an additional heat source Without insulation | | | | Nominal volume | Diameter without/ with insulation | Height without = with insulation | Diagonal height | Insulation thickness | Standby heat loss | Energy efficiency class |
|--|-----------|-------------|--|----------------|-----------------------------------|----------------------------------|-----------------|----------------------|-------------------|-------------------------|
| | Type | Article no. | | l | mm | mm | mm | mm | kWh/24h | |
|  | H 300/1 | 7783700 | | 300 | 597 | 1320 | 1355 | 90 | n.a. | n.a. |
| | H 500/1 | 7783900 | | 500 | 597 | 1950 | 1975 | 90 | n.a. | n.a. |
| | H 800/1 | 7784115 | | 800 | 790 | 1825 | 1870 | 90 | n.a. | n.a. |
| | H 1000/1 | 7784315 | | 1000 | 790 | 2115 | 2153 | 90 | n.a. | n.a. |
| | H 1500/1 | 7784500 | | 1500 | 1000 | 2120 | 2178 | 90 | n.a. | n.a. |
| | H 2000/1 | 7784700 | | 2000 | 1200 | 2122 | 2200 | 90 | n.a. | n.a. |
| | H 3000/1* | 7788300 | | 3000 | 1500 / 1680 | 2101 | 2205 | 90 | n.a. | n.a. |
| | H 4000/1* | 7788600 | | 4000 | 1500 / 1680 | 2676 | 2756 | 90 | n.a. | n.a. |
| | H 5000/1* | 7788900 | | 5000 | 1500 / 1680 | 3211 | 3264 | 90 | n.a. | n.a. |

| Buffer storage tank with two smooth tube heat exchangers for connecting two additional heat sources Insulation: PU flexible foam, with foil cladding | | | | Nominal volume | Diameter without/ with insulation | Height without = with insulation | Diagonal height | Insulation thickness | Standby heat loss | Energy efficiency class |
|---|-----------|-------------|---------|----------------|-----------------------------------|----------------------------------|-----------------|----------------------|-------------------|-------------------------|
| | Type | Article no. | | l | mm | mm | mm | mm | kWh/24h | |
| | | White | Silver | | | | | | | |
|  | HF 500/2 | 8500513 | 8500510 | 500 | 597/777 | 1950 | 1975 | 90 | n.a. | n.a. |
| | HF 800/2 | 8500613 | 8500610 | 800 | 790/970 | 1825 | 1870 | 90 | n.a. | n.a. |
| | HF 1000/2 | 8500713 | 8500710 | 1000 | 790/970 | 2115 | 2153 | 90 | n.a. | n.a. |
| | HF 1500/2 | 8500813 | 8500810 | 1500 | 1000/1180 | 2120 | 2178 | 90 | n.a. | n.a. |
| | HF 2000/2 | 8500913 | 8500910 | 2000 | 1200/1380 | 2122 | 2200 | 90 | n.a. | n.a. |

| Buffer storage tank with two smooth tube heat exchangers for connecting two additional heat sources Without insulation | | | | Nominal volume | Diameter without/ with insulation | Height without = with insulation | Diagonal height | Insulation thickness | Standby heat loss | Energy efficiency class |
|---|----------|-------------|--|----------------|-----------------------------------|----------------------------------|-----------------|----------------------|-------------------|-------------------------|
| | Type | Article no. | | l | mm | mm | mm | mm | kWh/24h | |
|  | H 500/2 | 7787900 | | 500 | 597 | 1950 | 1975 | 90 | n.a. | n.a. |
| | H 800/2 | 7787910 | | 800 | 790 | 1825 | 1870 | 90 | n.a. | n.a. |
| | H 1000/2 | 7787920 | | 1000 | 790 | 2115 | 2153 | 90 | n.a. | n.a. |
| | H 1500/2 | 7787930 | | 1500 | 1000 | 2120 | 2178 | 90 | n.a. | n.a. |
| | H 2000/2 | 7787940 | | 2000 | 1200 | 2122 | 2200 | 90 | n.a. | n.a. |

* Insulation for heating water systems is available separately.



HF...

HF .../R

HF .../1

HF .../2

| Technical Data | | | 200l | 300l | 500l | 800l | 1000l | 1500l | 2000l | 3000l | 4000l | 5000l |
|--|----------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| Weight | HF ... | kg | 51 | 59 | 72 | 124 | 139 | 186 | 266 | - | - | - |
| | H ... | kg | 47 | 55 | 66 | 116 | 131 | 178 | 257 | 567 | 674 | 811 |
| | HF .../R | kg | - | 62 | 75 | 127 | 142 | 189 | 269 | - | - | - |
| | H .../R | kg | - | 58 | 71 | 121 | 135 | 181 | 257 | 570 | 677 | 814 |
| | HF .../1 | kg | - | 82 | 100 | 197 | 225 | 272 | 352 | - | - | - |
| | H .../1 | kg | - | 74 | 95 | 190 | 216 | 265 | 341 | 637 | 754 | 871 |
| | HF .../2 | kg | - | - | 125 | 267 | 308 | 355 | 438 | - | - | - |
| | H .../2 | kg | - | - | 118 | 259 | 279 | 346 | 425 | - | - | - |
| Connection heating source | h1 | Rp | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 2 | 2 | 2 |
| | | mm | 292 | 225 | 225 | 236 | 310 | 341 | 365 | 495 | 496 | 520 |
| Connection heating source | h2 | Rp | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 2 | 2 | 2 |
| | | mm | 580 | 490 | 701 | 656 | 768 | 798 | 805 | 845 | 1090 | 1305 |
| Connection heating source | h3 | Rp | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 2 | 2 | 2 |
| | | mm | 865 | 760 | 1181 | 1076 | 1228 | 1258 | 1245 | 1247 | 1577 | 1895 |
| Connection heating source | h4 | Rp | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 1 ½ | 2 | 2 | 2 |
| | | mm | 115 | 1033 | 1655 | 1496 | 1681 | 1716 | 1680 | 1597 | 2171 | 2682 |
| Connection temperature sensor | h5 | Rp | ½ | ½ | ½ | ½ | ½ | ½ | ½ | ½ | ½ | ½ |
| | | mm | 269 | 210 | 210 | 221 | 296 | 341 | 365 | 495 | 496 | 520 |
| Connection temperature sensor | h6 | Rp | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ |
| | | mm | 440 | 380 | 375 | 386 | 461 | 551 | 575 | 845 | 1090 | 1305 |
| Connection temperature sensor | h7 | Rp | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ |
| | | mm | 760 | 670 | 945 | 896 | 1011 | 1096 | 1100 | 1247 | 1577 | 1895 |
| Connection temperature sensor | h8 | Rp | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ |
| | | mm | 1080 | 960 | 1515 | 1446 | 1581 | 1556 | 1630 | 1597 | 2171 | 2682 |
| Connection solar flow HF .../1 and H .../1 | h9 | Rp | - | 1 | 1 | 1 | 1 | 1 ¼ | 1 ¼ | 1 ¼ | 1 ¼ | 1 ¼ |
| | | mm | 710 | 955 | 1160 | 1322 | 1367 | 1393 | 1095 | 1216 | 1360 | |
| Connection solar return HF .../1 and H .../1 | h10 | Rp | - | 1 | 1 | 1 | 1 | 1 ¼ | 1 ¼ | 1 ¼ | 1 ¼ | 1 ¼ |
| | | mm | - | 210 | 210 | 236 | 296 | 341 | 367 | 495 | 496 | 520 |
| Connection solar flow bottom HF .../2 and H .../2 | h9 | Rp | - | - | 1 | 1 | 1 | 1 ¼ | 1 ¼ | - | - | - |
| | | mm | - | - | - | 955 | 776 | 956 | 1093 | 1120 | - | - |
| Connection solar return bottom HF .../2 and H .../2 | h10 | Rp | - | - | 1 | 1 | 1 | 1 ¼ | 1 ¼ | - | - | - |
| | | mm | - | - | 210 | 236 | 296 | 341 | 367 | - | - | - |
| Connection solar flow top HF .../2 and H .../2 | h11 | Rp | - | - | 1 | 1 | 1 | 1 ¼ | 1 ¼ | - | - | - |
| | | mm | - | - | 1660 | 1483 | 1776 | 1707 | 1665 | - | - | - |
| Connection solar return top HF .../2 and H .../2 | h12 | Rp | - | - | 1 | 1 | 1 | 1 ¼ | 1 ¼ | - | - | - |
| | | mm | - | - | 1181 | 1123 | 1248 | 1228 | 1255 | - | - | - |
| Heating surface | H .../1 | m² | - | 1,34 | 1,88 | 3,76 | 4,48 | 4,48 | 4,48 | 5,00 | 6,00 | 7,00 |
| | H .../2 bottom | m² | - | - | 1,88 | 2,47 | 3,10 | 3,72 | 3,72 | - | - | - |
| | H .../2 top | m² | - | - | 1,17 | 1,36 | 2,47 | 2,37 | 2,05 | - | - | - |
| Pressure loss bottom at 1 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| at 2 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| at 3 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| at 4 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| at 5 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| Pressure loss top at 1 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| at 2 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| at 3 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| at 4 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| at 5 m³/h | | mbar | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |