

# PUFFER

## HEATING WATER BUFFER TANK



### APPLICATION

Efficient storage of heating hot water mostly using biomass, heat pumps or solar thermal energy sources.

### MATERIAL

Mild steel construction with exterior paint. No anti-corrosion treatment required due to the buffer's closed circuit system.

### TECHNICAL DESCRIPTION

Used to improve flexibility of pellets, stoves and burners. PUFFER are used in units with a typically discontinuous energy source such as biomass boiler and solar thermal system.

### INSULATION

NOFIRE® soft polyester fleece 100% made of recyclable material, with high thermal insulation. Fire resistance class B-s2d0 according to EN 13501. Grey PVC external lining with top cover.

HE SERIES: High thermal insulation with ecological hard polyurethane foam.

### WARRANTY

2 years

See general sales conditions and warranty



TECHNICAL DATA AND  
ECODESIGN ERP LABELS  
AVAILABLE ONLINE AT  
WWW.CORDIVARI.COM



Available until April  
2016

### PUFFER VT

| Model | Storage: Mild steel | ENERGY<br>EFFICIENCY<br>CLASS |
|-------|---------------------|-------------------------------|
|       | Art. Nr.            |                               |
| 200   | 3251162282501       | C                             |
| 300   | 3251162282502       | C                             |
| 500   | 3251162282803       | C                             |
| 600   | 3251162282511       | E                             |
| 750   | 3251162282763       | E                             |
| 800   | 3251162282504       | E                             |
| 1000  | 3251162282505       | E                             |
| 1500  | 3251162282506       | E                             |
| 2000  | 3251162282607       | E                             |
| 3000  | 3251162282608       |                               |
| 5000  | 3251162282610       |                               |

### PUFFER VT COMPACT

| Model | Storage: Mild steel |
|-------|---------------------|
|       | Art. Nr.            |
| 2500  | 3251162280370       |
| 3000  | 3251162282658       |
| 4000  | 3251162282659       |
| 4500  | 3251162282660       |
| 5000  | 3251162282661       |
| 6000  | 3251162282662       |
| 8000  | 3251162282663       |

### COMPACT MODELS

## PUFFER HE SERIES

### HIGH EFFICIENCY INSULATION TANKS

Designed according to 2009/125/CE Directive (ErP – Eco-friendly Plan Specification), HE series are already compliant with Regulation n. 814/2013, that demands C-energy efficiency class from September, 26th 2017.



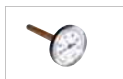
### PUFFER HE VT

| Model | Storage: Mild steel | ENERGY<br>EFFICIENCY<br>CLASS |
|-------|---------------------|-------------------------------|
|       | Art. Nr.            |                               |
| 200   | 3251162312501       | C                             |
| 300   | 3251162312502       | C                             |
| 500   | 3251162312503       | C                             |
| 600   | 3251162312504       | C                             |
| 750   | 3251162312505       | C                             |
| 800   | 3251162312506       | C                             |
| 1000  | 3251162312507       | C                             |
| 1250  | 3251162312508       | C                             |
| 1500  | 3251162312509       | C                             |
| 2000  | 3251162312510       | C                             |

— Accessories on request —

#### Thermometer

| Art. Nr.      |
|---------------|
| 5032240000107 |
| 5 units box   |



#### Buffer tanks connecting kit

| Art. Nr.                                                   | Connection |
|------------------------------------------------------------|------------|
| 5006170001001                                              | 1" 1/2     |
| Stainless steel extensible connecting kit - (200 ÷ 400 mm) |            |

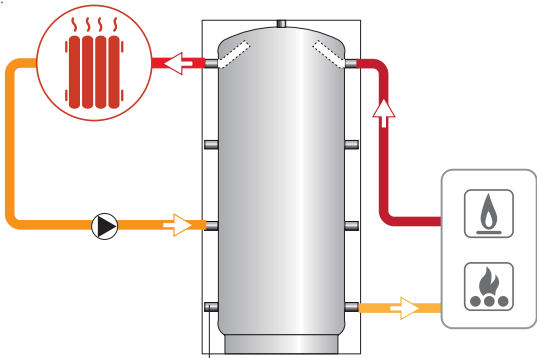
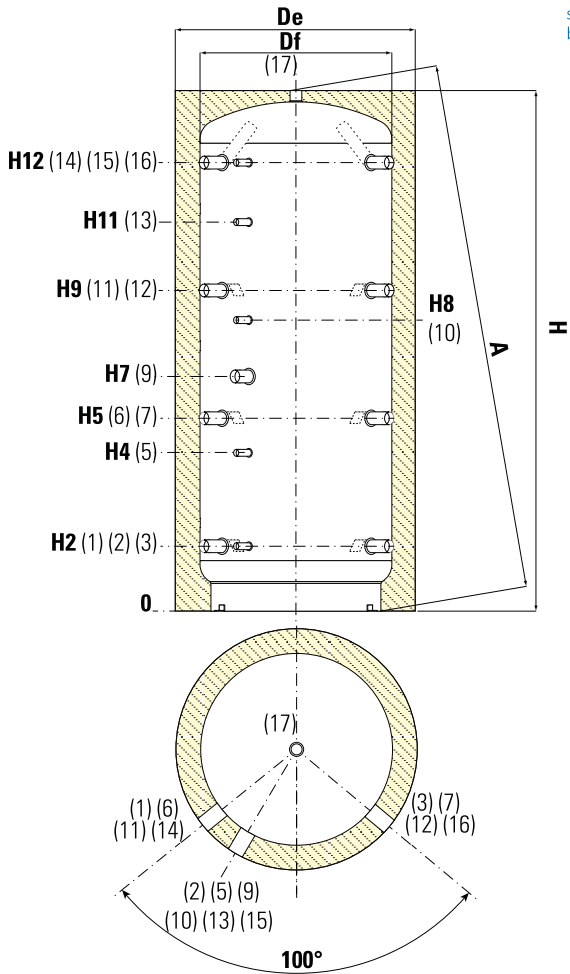


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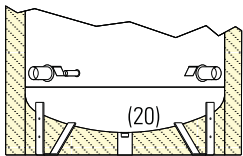
## HEATING WATER BUFFER TANK

| STORAGE |       |
|---------|-------|
| Pmax    | Tmax  |
| 3 bar   | 99 °C |

**CORDIVARI Lab**  
TÜV Rheinland  
Energie und Umwelt  
GmbH states that test  
procedures and Cordivari LAB are  
certified conforming to European  
standard EN 15332, as indicated  
by Ecodesign ErP Directive.



|             |                                           |
|-------------|-------------------------------------------|
| 1-3-6-7     | Heating return/To Generator               |
| 2-5         | Connection for instrumentation 1/2" Gas F |
| 9           | Electrical immersion                      |
| 10          | Connection for instrumentation 1/2" Gas F |
| 11-12-14-16 | Heating delivery/From Generator           |
| 13          | Connection for instrumentation 1/2" Gas F |
| 15          | Connection for instrumentation 1/2" Gas F |
| 17          | Heating delivery                          |
| 20          | Drain only for models 3000, 4000 and 5000 |



Models > 2000



### PUFFER VT

| Model | Net volume [lt] | Df   | De   | De (HE SERIE) | H    | A    | H2  | H4   | H5   | H7   | H8   | H9   | H11  | H12  | 1-3-6-7-9-11-12-14-16-17 | 20 |
|-------|-----------------|------|------|---------------|------|------|-----|------|------|------|------|------|------|------|--------------------------|----|
| [mm]  |                 |      |      |               |      |      |     |      |      |      |      |      |      |      | Connections Gas F        |    |
| 200   | 180             | 450  | 650  | 550           | 1299 | 1410 | 218 | 430  | 500  | 576  | 711  | 782  | 871  | 1064 | 1" 1/2                   | // |
| 300   | 279             | 550  | 750  | 650           | 1340 | 1489 | 232 | 444  | 514  | 590  | 725  | 796  | 885  | 1078 | 1" 1/2                   | // |
| 500   | 478             | 650  | 850  | 750           | 1620 | 1784 | 247 | 533  | 629  | 841  | 930  | 1011 | 1231 | 1343 | 1" 1/2                   | // |
| 600   | 560             | 650  | 850  | 750           | 1870 | 2014 | 247 | 582  | 695  | 915  | 1060 | 1144 | 1382 | 1593 | 1" 1/2                   | // |
| 750   | 717             | 790  | 990  | 940           | 1658 | 1906 | 265 | 584  | 630  | 823  | 938  | 995  | 1180 | 1371 | 1" 1/2                   | // |
| 800   | 805             | 790  | 990  | 950           | 1840 | 2064 | 265 | 584  | 690  | 823  | 988  | 1115 | 1332 | 1541 | 1" 1/2                   | // |
| 1000  | 946             | 790  | 990  | 940           | 2130 | 2326 | 265 | 656  | 787  | 998  | 1188 | 1309 | 1588 | 1831 | 1" 1/2                   | // |
| 1250  | 1248            | 900  | //   | 1050          | 2201 | 2439 | 313 | 705  | 835  | 986  | 1168 | 1357 | 1568 | 1879 | 1" 1/2                   | // |
| 1500  | 1973            | 950  | 1150 | 1100          | 2250 | 2504 | 313 | 736  | 845  | 1061 | 1286 | 1377 | 1653 | 1909 | 1" 1/2                   | // |
| 2000  | 2915            | 1100 | 1300 | 1300          | 2320 | 2659 | 347 | 770  | 879  | 1060 | 1300 | 1411 | 1687 | 1943 | 1" 1/2                   | // |
| 3000  | 4985            | 1250 | 1450 | //            | 2814 | 3079 | 556 | 1017 | 1071 | 1693 | 1879 | 1786 | 2140 | 2402 | 2"                       | 1" |
| 5000  | 4985            | 1600 | 1800 | //            | 2929 | 3338 | 586 | 1047 | 1101 | 1691 | 1889 | 1816 | 2159 | 2432 | 2"                       | 2" |

### PUFFER VT COMPACT

| Model | Net volume [lt] | Df   | De   | H    | A    | H1    | H2  | H4   | H5   | H7   | H8   | H9   | H11  | H12  | 1-3-6-7-11-12-14-16 | 9-17   | 20 |
|-------|-----------------|------|------|------|------|-------|-----|------|------|------|------|------|------|------|---------------------|--------|----|
| [mm]  |                 |      |      |      |      |       |     |      |      |      |      |      |      |      | Connections Gas F   |        |    |
| 2500  | 2306            | 1250 | 1450 | 2351 | 2663 | 140   | 556 | 886  | 996  | 1051 | 1216 | 1436 | 1546 | 1876 | 1" 1/2              | 1" 1/2 | 1" |
| 3000  | 3017            | 1500 | 1700 | 2180 | 2646 | 109,5 | 567 | 841  | 932  | 1252 | 1115 | 1297 | 1389 | 1662 | 2"                  | 2"     | 1" |
| 4000  | 3986            | 1600 | 1800 | 2456 | 2931 | 94,5  | 574 | 910  | 1022 | 1414 | 1246 | 1470 | 1582 | 1918 | 2"                  | 2"     | 1" |
| 4500  | 4411            | 1800 | 2000 | 2230 | 2866 | 90    | 582 | 856  | 947  | 1267 | 1130 | 1312 | 1404 | 1677 | 2"                  | 2"     | 1" |
| 5000  | 5042            | 1800 | 2000 | 2480 | 3064 | 90    | 583 | 919  | 1031 | 1423 | 1255 | 1479 | 1591 | 1927 | 2"                  | 2"     | 1" |
| 6000  | 5672            | 1800 | 2000 | 2730 | 3270 | 90    | 605 | 1005 | 1114 | 1295 | 1535 | 1646 | 1922 | 2155 | 3"                  | 2"     | 1" |
| 8000  | 7564            | 1800 | 2000 | 3480 | 3918 | 90    | 606 | 1066 | 1372 | 1526 | 1986 | 2138 | 2446 | 2904 | 3"                  | 2"     | 1" |