



LESS WATERING — MORE BENEFITS

Water Less® batteries combine the power and reliability of tubular vented technology with the convenience of extended watering intervals. Less frequent topping up means reduced labor costs. These flooded batteries are suitable for multi-shift operations.

Thanks to the extended capacity range, Water Less® batteries provide a high level of power and reliability for all industrial truck applications.

A low electrolyte level indicator fitted on the battery informs the user when water topping up is required. Water Less® batteries are at the leading edge of flooded battery technology and bring added efficiency to your business.

HAWKER Water Less®



Extremely low maintenance.
Reduced labour costs for
water topping.



Integrated plug-and-play
power systems with
compatible components
from one trusted supplier.



System power and
performance with ownership
costs verified before
purchase and a warranty
you can count on.

Water Less® PzM cells with bolt-on connectors, dimensions according to DIN/EN 60254-2 and IEC 254-2 Serie L standards

| Cell Designation | Nominal capacity | Length | Width | Overall height | Weight +/-5% with electrolyte |
|------------------|------------------|--------|-------|----------------|-------------------------------|
| | 5- hour Ah | mm | mm | mm | kg |
| 2 PzM 120 | 120 | 47 | 198 | 370 | 8.5 |
| 3 PzM 180 | 180 | 65 | 198 | 370 | 12.0 |
| 4 PzM 240 | 240 | 83 | 198 | 370 | 15.4 |
| 5 PzM 300 | 300 | 101 | 198 | 370 | 19.0 |
| 6 PzM 360 | 360 | 119 | 198 | 370 | 22.5 |
| 7 PzM 420 | 420 | 137 | 198 | 370 | 26.0 |
| 8 PzM 480 | 480 | 155 | 198 | 370 | 29.5 |
| 9 PzM 540 | 540 | 174 | 198 | 370 | 33.0 |
| 10 PzM 600 | 600 | 192 | 198 | 370 | 36.5 |
| 2 PzM 160 | 160 | 47 | 198 | 435 | 10.0 |
| 3 PzM 240 | 240 | 65 | 198 | 435 | 14.2 |
| 4 PzM 320 | 320 | 83 | 198 | 435 | 18.4 |
| 5 PzM 400 | 400 | 101 | 198 | 435 | 22.6 |
| 6 PzM 480 | 480 | 119 | 198 | 435 | 26.7 |
| 7 PzM 560 | 560 | 137 | 198 | 435 | 31.3 |
| 8 PzM 640 | 640 | 155 | 198 | 435 | 35.1 |
| 9 PzM 720 | 720 | 174 | 198 | 435 | 39.3 |
| 10 PzM 800 | 800 | 192 | 198 | 435 | 43.4 |
| 2 PzM 180 | 180 | 47 | 198 | 505 | 11.9 |
| 3 PzM 270 | 270 | 65 | 198 | 505 | 17.0 |
| 4 PzM 360 | 360 | 83 | 198 | 505 | 22.1 |
| 5 PzM 450 | 450 | 101 | 198 | 505 | 27.1 |
| 6 PzM 540 | 540 | 119 | 198 | 505 | 32.2 |
| 7 PzM 630 | 630 | 137 | 198 | 505 | 37.2 |
| 8 PzM 720 | 720 | 155 | 198 | 505 | 42.3 |
| 9 PzM 810 | 810 | 174 | 198 | 505 | 47.4 |
| 10 PzM 900 | 900 | 192 | 198 | 505 | 52.4 |
| 2 PzM 210 | 210 | 47 | 198 | 541 | 13.5 |
| 3 PzM 315 | 315 | 65 | 198 | 541 | 19.1 |
| 4 PzM 420 | 420 | 83 | 198 | 541 | 24.6 |
| 5 PzM 525 | 525 | 101 | 198 | 541 | 30.5 |
| 6 PzM 630 | 630 | 119 | 198 | 541 | 36.1 |
| 7 PzM 735 | 735 | 137 | 198 | 541 | 41.8 |
| 8 PzM 840 | 840 | 155 | 198 | 541 | 47.4 |
| 9 PzM 945 | 945 | 174 | 198 | 541 | 53.1 |
| 10 PzM 1050 | 1050 | 192 | 198 | 541 | 58.4 |
| 12 PzM 1260 4P** | 1260 | 227 | 198 | 541 | 65.9 |
| 2 PzM 230 | 230 | 47 | 198 | 575 | 14.2 |
| 3 PzM 345 | 345 | 65 | 198 | 575 | 20.3 |
| 4 PzM 460 | 460 | 83 | 198 | 575 | 26.4 |
| 5 PzM 575 | 575 | 101 | 198 | 575 | 32.4 |
| 6 PzM 690 | 690 | 119 | 198 | 575 | 39.0 |
| 7 PzM 805 | 805 | 137 | 198 | 575 | 44.7 |
| 8 PzM 920 | 920 | 155 | 198 | 575 | 50.6 |
| 9 PzM 1035 | 1035 | 174 | 198 | 575 | 56.6 |
| 10 PzM 1150 | 1150 | 192 | 198 | 575 | 62.7 |
| 12 PzM 1380 4P** | 1380 | 227 | 198 | 575 | 73.3 |
| 2 PzM 250 | 250 | 47 | 198 | 600 | 15.0 |
| 3 PzM 375 | 375 | 65 | 198 | 600 | 21.2 |
| 4 PzM 500 | 500 | 83 | 198 | 600 | 27.4 |
| 5 PzM 625 | 625 | 101 | 198 | 600 | 33.9 |
| 6 PzM 750 | 750 | 119 | 198 | 600 | 40.3 |
| 7 PzM 875 | 875 | 137 | 198 | 600 | 46.5 |
| 8 PzM 1000 | 1000 | 155 | 198 | 600 | 53.1 |
| 9 PzM 1125 | 1125 | 174 | 198 | 600 | 59.4 |
| 10 PzM 1250 | 1250 | 192 | 198 | 600 | 66.0 |
| 10 PzM 1250 4P** | 1250 | 192 | 198 | 600 | 66.0 |
| 12 PzM 1500 4P** | 1500 | 227 | 198 | 600 | 77.0 |
| 2 PzM 280 | 280 | 47 | 198 | 715 | 17.5 |
| 3 PzM 420 | 420 | 65 | 198 | 715 | 24.7 |
| 4 PzM 560 | 560 | 83 | 198 | 715 | 31.8 |
| 5 PzM 700 | 700 | 101 | 198 | 715 | 39.3 |
| 6 PzM 840 | 840 | 119 | 198 | 715 | 46.7 |
| 7 PzM 980 | 980 | 137 | 198 | 715 | 53.9 |
| 8 PzM 1120 | 1120 | 155 | 198 | 715 | 61.3 |
| 9 PzM 1260 | 1260 | 174 | 198 | 715 | 68.6 |
| 9 PzM 1260 4P** | 1260 | 174 | 198 | 715 | 68.6 |
| 10 PzM 1400 | 1400 | 192 | 198 | 715 | 76.0 |
| 10 PzM 1400 4P** | 1400 | 192 | 198 | 715 | 76.0 |
| 12 PzM 1680 4P** | 1680 | 227 | 198 | 715 | 89.3 |
| 2 PzM 310 | 310 | 47 | 198 | 750 | 18.9 |
| 3 PzM 465 | 465 | 65 | 198 | 750 | 26.7 |
| 4 PzM 620 | 620 | 83 | 198 | 750 | 34.6 |
| 5 PzM 775 | 775 | 101 | 198 | 750 | 42.6 |
| 6 PzM 930 | 930 | 119 | 198 | 750 | 50.5 |
| 7 PzM 1085 | 1085 | 137 | 198 | 750 | 58.5 |
| 8 PzM 1240 | 1240 | 155 | 198 | 750 | 66.4 |
| 9 PzM 1395 | 1395 | 174 | 198 | 750 | 74.4 |
| 9 PzM 1395 4P** | 1395 | 174 | 198 | 750 | 74.4 |
| 10 PzM 1550 | 1550 | 192 | 198 | 750 | 82.4 |
| 10 PzM 1550 4P** | 1550 | 192 | 198 | 750 | 82.4 |
| 12 PzM 1860 4P** | 1860 | 227 | 198 | 750 | 94.2 |

* Overall height = Overall height- 30 mm

** 4P = 4 post cell configuration for high discharge and recharge currents

Water Less® PzMB cells with bolt-on connectors, dimensions according to IEC 254-2 Serie E standard

| Cell Designation | Nominal capacity | Length | Width | Overall height | Weight +/-5% with electrolyte |
|------------------|------------------|--------|-------|----------------|-------------------------------|
| | 5- hour Ah | mm | mm | mm | kg |
| 2 PzMB 130 | 130 | 45 | 157,5 | 484 | 8.7 |
| 3 PzMB 195 | 195 | 61 | 157,5 | 484 | 12.5 |
| 4 PzMB 260 | 260 | 77 | 157,5 | 484 | 16.1 |
| 5 PzMB 325 | 325 | 93 | 157,5 | 484 | 19.5 |
| 6 PzMB 390 | 390 | 109 | 157,5 | 484 | 23.0 |
| 7 PzMB 455 | 455 | 125 | 157,5 | 484 | 26.5 |
| 8 PzMB 520 | 520 | 141 | 157,5 | 484 | 30.1 |
| 9 PzMB 585 | 585 | 157 | 157,5 | 484 | 33.5 |
| 10 PzMB 650 | 650 | 173 | 157,5 | 484 | 37.0 |
| 11 PzMB 715 | 715 | 189 | 157,5 | 484 | 41.0 |
| 2 PzMB 150 | 150 | 45 | 157,5 | 541 | 10.2 |
| 3 PzMB 225 | 225 | 61 | 157,5 | 541 | 14.1 |
| 4 PzMB 300 | 300 | 77 | 157,5 | 541 | 18.2 |
| 5 PzMB 375 | 375 | 93 | 157,5 | 541 | 22.2 |
| 6 PzMB 450 | 450 | 109 | 157,5 | 541 | 26.2 |
| 7 PzMB 525 | 525 | 125 | 157,5 | 541 | 30.2 |
| 8 PzMB 600 | 600 | 141 | 157,5 | 541 | 34.2 |
| 9 PzMB 675 | 675 | 157 | 157,5 | 541 | 38.2 |
| 10 PzMB 750 | 750 | 173 | 157,5 | 541 | 42.2 |
| 11 PzMB 825 | 825 | 189 | 157,5 | 541 | 47.8 |
| 2 PzMB 160 | 160 | 45 | 157,5 | 597 | 10.6 |
| 3 PzMB 240 | 240 | 61 | 157,5 | 597 | 14.8 |
| 4 PzMB 320 | 320 | 77 | 157,5 | 597 | 19.0 |
| 5 PzMB 400 | 400 | 93 | 157,5 | 597 | 23.2 |
| 6 PzMB 480 | 480 | 109 | 157,5 | 597 | 27.4 |
| 7 PzMB 560 | 560 | 125 | 157,5 | 597 | 31.6 |
| 8 PzMB 640 | 640 | 141 | 157,5 | 597 | 35.9 |
| 9 PzMB 720 | 720 | 157 | 157,5 | 597 | 40.1 |
| 10 PzMB 800 | 800 | 173 | 157,5 | 597 | 44.3 |
| 11 PzMB 880 | 880 | 189 | 157,5 | 597 | 48.5 |
| 2 PzMB 180 | 180 | 45 | 157,5 | 642 | 11.4 |
| 3 PzMB 270 | 270 | 61 | 157,5 | 642 | 16.1 |
| 4 PzMB 360 | 360 | 77 | 157,5 | 642 | 20.7 |
| 5 PzMB 450 | 450 | 93 | 157,5 | 642 | 25.3 |
| 6 PzMB 540 | 540 | 109 | 157,5 | 642 | 29.9 |
| 7 PzMB 630 | 630 | 125 | 157,5 | 642 | 34.5 |
| 8 PzMB 720 | 720 | 141 | 157,5 | 642 | 39.3 |
| 9 PzMB 810 | 810 | 157 | 157,5 | 642 | 43.9 |
| 10 PzMB 900 | 900 | 173 | 157,5 | 642 | 48.5 |
| 11 PzMB 990 | 990 | 189 | 157,5 | 642 | 53.1 |
| 2 PzMB 200 | 200 | 45 | 157,5 | 633 | 12.1 |
| 3 PzMB 300 | 300 | 61 | 157,5 | 633 | 17.0 |
| 4 PzMB 400 | 400 | 77 | 157,5 | 633 | 21.9 |
| 5 PzMB 500 | 500 | 93 | 157,5 | 633 | 26.7 |
| 6 PzMB 600 | 600 | 109 | 157,5 | 633 | 31.8 |
| 7 PzMB 700 | 700 | 125 | 157,5 | 633 | 36.6 |
| 8 PzMB 800 | 800 | 141 | 157,5 | 633 | 41.4 |
| 9 PzMB 900 | 900 | 157 | 157,5 | 633 | 46.8 |
| 10 PzMB 1000 | 1000 | 173 | 157,5 | 633 | 50.9 |
| 11 PzMB 1100 | 1100 | 189 | 157,5 | 633 | 55.9 |

* Overlid height = Overall height - 30 mm