

**WARNING: The sphere must be not used without the hexanogal sealing plug being correctly in place and sufficiently tight. The plug seals by means of an 'O' ring which must be in position and perfect condition. Care should be taken to ensure that the sealing plug is not cross-treaded.**

## Inflatable Spheres

| Pipe OD<br>Inches | Sphere OD<br>mm | Sphere Weight<br>Un-inflated<br>(+/- 5%) | Wth. /<br>Cavity OD<br>(+2%) mm | Void vol<br>mm <sup>3</sup> | Fluid wt.<br>kg. | Valve<br>Size | Poly Europe<br>Product code |
|-------------------|-----------------|--|---------------------------------|-----------------------------|------------------|---------------|-----------------------------|
| 2.5               | 66.00           | 0.15                                     | 10                              | 53946                       | 0.05             | 1             | 50050500066                 |
| 3                 | 69.50           | 0.18                                     | 12                              | 52490                       | 0.05             | 1             | 50050500070                 |
| 3                 | 73.00           | 0.21                                     | 16                              | 38687                       | 0.04             | 1             | 50050500073                 |
| 3                 | 74.00           | 0.22                                     | 16                              | 41285                       | 0.04             | 1             | 50050500074                 |
| 3                 | 75.00           | 0.23                                     | 17                              | 38687                       | 0.04             | 1             | 50050500075                 |
| 3                 | 79.00           | 0.28                                     | 18                              | 44305                       | 0.04             | 1             | 50050500079                 |
| 3                 | 82.50           | 0.31                                     | 20                              | 42777                       | 0.04             | 1             | 50050500082                 |
| 3                 | 84.50           | 0.34                                     | 21                              | 42777                       | 0.04             | 1             | 50050500084                 |
| 4                 | 93.00           | 0.47                                     | 25                              | 443305                      | 0.04             | 1             | 50050500093                 |
| 4                 | 94.00           | 0.49                                     | 26                              | 41285                       | 0.04             | 1             | 50050500094                 |
| 4                 | 101.50          | 0.52                                     | 20                              | 130889                      | 0.13             | 1             | 50050500102                 |
| 4                 | 104.00          | 0.57                                     | 21                              | 132807                      | 0.13             | 1             | 50050500104                 |
| 4                 | 109.00          | 0.67                                     | 23                              | 139338                      | 0.14             | 1             | 50050500109                 |
| 5                 | 118.00          | 0.71                                     | 19                              | 187401                      | 0.19             | 1             | 50050500118                 |
| 5                 | 127.00          | 0.97                                     | 23                              | 278261                      | 0.28             | 1             | 50050500127                 |
| 6                 | 142.50          | 1.28                                     | 24                              | 441869                      | 0.44             | 1             | 50050500142                 |
| 6                 | 151.00          | 1.65                                     | 28                              | 448920                      | 0.45             | 1             | 50050500151                 |
| 6                 | 157.00          | 1.91                                     | 32                              | 421160                      | 0.42             | 1             | 50050500157                 |
| 6                 | 160.00          | 2.05                                     | 33                              | 439069                      | 0.44             | 1             | 50050500160                 |
| 7                 | 175.00          | 2.84                                     | 40                              | 321555                      | 0.32             | 1             | 50050500175                 |
| 7.5               | 184.50          | 3.38                                     | 45                              | 444680                      | 0.44             | 1             | 50050500185                 |
| 7.5               | 186.50          | 3.51                                     | 46                              | 443273                      | 0.44             | 1             | 50050500187                 |
| 7.5               | 190.00          | 2.43                                     | 23                              | 1563457                     | 1.56             | 1             | 50050500190                 |
| 8                 | 203.00          | 3.37                                     | 30                              | 1531111                     | 1.53             | 1             | 50050500203                 |
| 8                 | 209.50          | 3.85                                     | 32                              | 1609503                     | 1.61             | 1             | 50050500209                 |
| 8                 | 212.00          | 4.10                                     | 34                              | 1563457                     | 1.56             | 1             | 50050500212                 |
| 10                | 229.00          | 5.82                                     | 42                              | 1596256                     | 1.60             | 1             | 50050500229                 |
| 10                | 253.00          | 5.52                                     | 30                              | 3752491                     | 3.75             | 1             | 50050500253                 |
| 12                | 285.00          | 5.92                                     | 23                              | 7148128                     | 7.15             | 1             | 50050500285                 |
| 12                | 305.00          | 9.02                                     | 32                              | 7310853                     | 7.31             | 1             | 50050500305                 |
| 12                | 315.00          | 10.92                                    | 38                              | 7148128                     | 7.15             | 1             | 50050500315                 |
| 14                | 324.00          | 12.52                                    | 42                              | 7220148                     | 7.22             | 1             | 50050500324                 |
| 14                | 331.50          | 14.11                                    | 46                              | 7202098                     | 7.20             | 2             | 50050500332                 |
| 16                | 360.50          | 20.61                                    | 60                              | 7292652                     | 7.29             | 2             | 50050500360                 |
| 16                | 384.00          | 16.11                                    | 35                              | 16241164                    | 16.24            | 2             | 50050500384                 |
| 16                | 408.00          | 23.11                                    | 47                              | 16210169                    | 16.21            | 2             | 50050500408                 |
| 18                | 435.00          | 23.41                                    | 38                              | 24226014                    | 24.23            | 2             | 50050500435                 |
| 20                | 467.00          | 23.11                                    | 32                              | 34278975                    | 34.22            | 2             | 50050500467                 |
| 20                | 486.00          | 31.11                                    | 32                              | 39349206                    | 39.35            | 2             | 50050500486                 |
| 22                | 524.00          | 32.11                                    | 37                              | 47522341                    | 47.52            | 2             | 50050500524                 |
| 22                | 536.00          | 39.11                                    | 43                              | 47712938                    | 47.71            | 2             | 50050500536                 |
| 24                | 583.00          | 58.11                                    | 57                              | 53946271                    | 53.95            | 2             | 50050500583                 |
| 26                | 621.00          | 85.37                                    | 76                              | 54015344                    | 54.02            | 3             | 50050500621                 |
| 26                | 642.00          | 100.37                                   | 87                              | 53670566                    | 53.67            | 3             | 50050500642                 |
| 28                | 681.00          | 99.37                                    | 69                              | 83829738                    | 83.83            | 3             | 50050500681                 |
| 30                | 725.00          | 107.37                                   | 65                              | 110293398                   | 110.29           | 3             | 50050500725                 |
| 30                | 736.00          | 117.37                                   | 70                              | 110738878                   | 110.74           | 3             | 50050500736                 |
| 32                | 784.00          | 143.37                                   | 76                              | 132175163                   | 132.18           | 3             | 50050500784                 |
| 34                | 844.00          | 213.37                                   | 103                             | 135975498                   | 135.98           | 3             | 50050500844                 |
| 36                | 868.00          | 246.37                                   | 115                             | 135975498                   | 135.98           | 3             | 50050500868                 |

## Solid Spheres

|  | Pipe OD<br>Inches | Sphere OD<br>mm | Sphere Weight<br>(+/- 5%) | Poly Europe<br>Product code |
|--|-------------------|-----------------|---------------------------|-----------------------------|
|  | 2                 | 32.00           | 0.02                      | 50050200032                 |
|  | 2                 | 48.00           | 0.07                      | 50050200048                 |
|  | 2                 | 50.00           | 0.08                      | 50050200050                 |
|  | 2                 | 54.00           | 0.10                      | 50050200054                 |
|  | 2                 | 59.00           | 0.13                      | 50050200059                 |
|  | 2.5               | 64.00           | 0.16                      | 50050200064                 |
|  | 2.5               | 66.00           | 0.18                      | 50050200066                 |
|  | 3                 | 70.00           | 0.21                      | 50050200070                 |
|  | 3                 | 73.00           | 0.24                      | 50050200073                 |
|  | 3                 | 74.00           | 0.25                      | 50050200074                 |
|  | 3                 | 75.00           | 0.26                      | 50050200075                 |
|  | 3                 | 79.00           | 0.31                      | 50050200079                 |
|  | 3                 | 82.50           | 0.34                      | 50050200082                 |
|  | 3                 | 84.50           | 0.37                      | 50050200084                 |
|  | 4                 | 93.00           | 0.50                      | 50050200093                 |
|  | 4                 | 94.00           | 0.52                      | 50050200094                 |
|  | 4                 | 101.50          | 0.66                      | 50050200102                 |
|  | 4                 | 104.00          | 0.70                      | 50050200104                 |
|  | 4                 | 109.00          | 0.81                      | 50050200109                 |
|  | 5                 | 118.00          | 1.02                      | 50050200118                 |
|  | 5                 | 127.00          | 1.28                      | 50050200127                 |
|  | 6                 | 142.50          | 1.78                      | 50050200142                 |
|  | 6                 | 151.00          | 2.19                      | 50050200151                 |
|  | 6                 | 157.00          | 2.45                      | 50050200157                 |
|  | 6                 | 160.00          | 2.55                      | 50050200160                 |
|  | 7                 | 175.00          | 3.34                      | 50050200175                 |
|  | 7                 | 177.00          | 3.46                      | 50050200177                 |
|  | 7.5               | 184.50          | 3.95                      | 50050200185                 |
|  | 7.5               | 186.50          | 4.19                      | 50050200187                 |
|  | 7.5               | 190.00          | 4.27                      | 50050200190                 |
|  | 8                 | 203.00          | 5.21                      | 50050200203                 |
|  | 8                 | 209.50          | 5.69                      | 50050200209                 |
|  | 8                 | 212.00          | 5.94                      | 50050200212                 |
|  | 10                | 229.00          | 7.48                      | 50050200229                 |
|  | 10                | 252.00          | 9.97                      | 50050200252                 |
|  | 12                | 285.00          | 14.42                     | 50050200285                 |
|  | 12                | 305.00          | 17.68                     | 50050200305                 |
|  | 12                | 315.00          | 18.35                     | 50050200315                 |

Sphere materials are the result of over 30 years of pigging experience and specifications vary in accordance with the intended application.

**PolyEurope bv** has developed various materials and components to accommodate every application.

**PolyEurope bv** reserve the right to alter specifications without notice.