



**WATERKING**  
DREDGING EQUIPMENT HOLLAND

**HDPE PIPES  
FLOATERS  
DREDGING HOSES**

### **CONTINENTAL DEALER**

- Haul liquids | granulates | abrasive solids
- Designed to your specific application
  - Extremely reliable
  - Highest degree of project security under all condition



## **WATERKING EQUIPMENT**

Dutch roots and glory

HDPE | Rubber hoses | Floaters

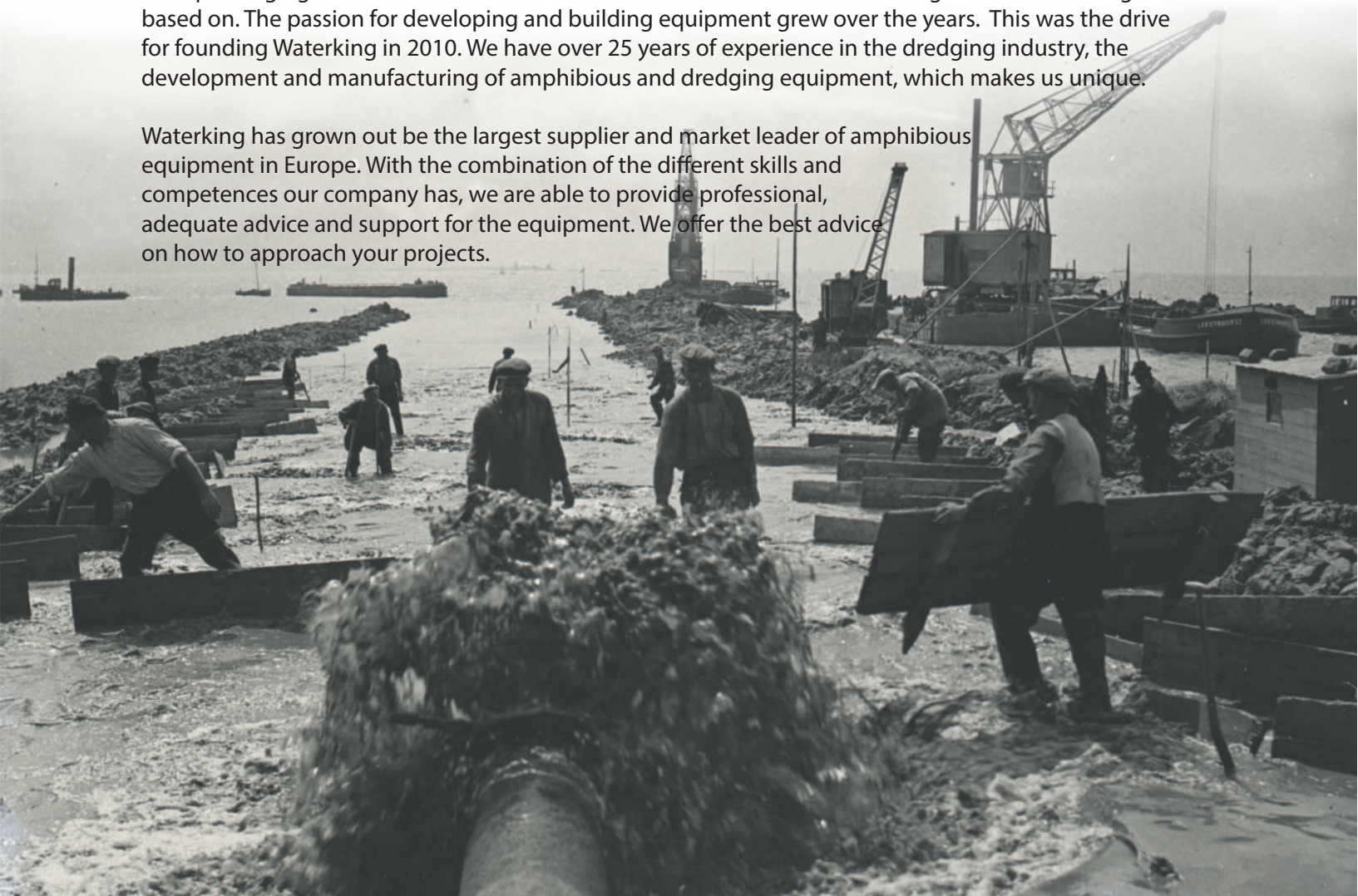
### **We have a rich history in the world of dredging**

The relationship The Netherlands have with water is unlike that of any other country in the world. As a Dutch company we learn from the experience of our ancestors. The conclusion that stands out after all those years of battling with water is, that it is best to live with water instead of fighting it.

Over the past years our ancestors gained a lot of expertise in dredging and civil engineering. We apply this expertise together with our own accumulated intelligence, to carry out our work.

Knoop Dredging was founded in 1990 and forms the foundation as a knowledge centre Waterking is based on. The passion for developing and building equipment grew over the years. This was the drive for founding Waterking in 2010. We have over 25 years of experience in the dredging industry, the development and manufacturing of amphibious and dredging equipment, which makes us unique.

Waterking has grown out to be the largest supplier and market leader of amphibious equipment in Europe. With the combination of the different skills and competences our company has, we are able to provide professional, adequate advice and support for the equipment. We offer the best advice on how to approach your projects.





**Continental**



**CONTINENTAL DEALER**  
Flexible and strong  
by great technique



### Continental worldwide known for quality

Waterking is dealer of Continental dredging hoses. The high quality hoses are developed and manufactured for various kind of projects such as transportation of different types of soil (sand and silt), granulates and liquids. The dredging hoses of Continental are manufactured in a unique manner.

### Rubber hoses

The rubber tubes are reinforced by cord fabrics which are vulcanized in between several rubber layers. That makes the hoses at the same time flexible and strong enough to work extremely reliable even under extreme conditions.

The production facility is certified in accordance with DIN EN ISO 9001.

The flexible and high pressure hoses are mainly used for dredging activities. The hoses can be attached between a dredger and a discharge line such as HDPE pipes.



**Suction and pressure hoses are used for:**

- Hydraulic transport of various materials (abrasion layer thicknesses of 10-50 mm)
- Pneumatic transport of granulated and powdery materials
- Transporting untreated fresh or salt water
- Pressures up to 100 bar (dependent on the interior diameter)



**Dimensions:**

Diameter: 150-750 MM | 5.9"-29.5"  
Length: Max 11.80 M | 38'7"

**Options:**

- Every other length is possible on request
- Flexible hoses inclusive floaters





## WATERKING HDPE PIPES

Manufactured with  
gained experience



### Development in constant motion at Waterking

In the dredging industry before 1980 steel pipes were all we were familiar with over the entire world. In the years that followed the Dutch were one of the first to use HDPE pipes instead of steel. Waterking has gained a lot of experience through the years with the production and the use of HDPE pipes.

We provide you with the right advise and products that will suit your project best. We delivered hundreds of kilometers of HDPE pipes over the entire world.





## HDPE

Waterking is able to offer new and used HDPE polyethylene (PE 100) pipes. The flexible pipes are wear resistant and have a long life span. The pipes are used in (large) dredging or sand extraction projects. We developed the pipes especially for the dredging industry to resist high pressures and that are wear resistant.

We have our own welding department. The pipes can be fitted with welding collars featuring flanges. The flanges are made of aluminum or steel and they are manufactured according to international standards ( DIN, ASTM etc. ) We also offer various machines for welding the pipes.

## Transport

Most pipes are 11.8 meters (38'7") in length and fit inside a 40 ft container. There are also pipes with a length of 6 meters (19'7") or 13.5 meters (44'3") (trailer length). New pipes can be supplied within 3 to 4 weeks depending on the ordered size. We can arrange for the transport including the buy or rent of the containers.





HDPE PIPES PE 100

| DN<br>mm | SDR 41<br>PN 4 |        | SDR 33<br>PN 5 |        | SDR 27,6<br>PN 6 |        | SDR 22<br>PN 8 |        | SDR 17<br>PN 10 |        | SDR 13,6<br>PN 12,5 |        | SDR 11<br>PN 16 |        | SDR 9<br>PN 20 |       | SDR 7,4<br>PN 25 |       | SDR 6<br>PN 32 |       |
|----------|----------------|--------|----------------|--------|------------------|--------|----------------|--------|-----------------|--------|---------------------|--------|-----------------|--------|----------------|-------|------------------|-------|----------------|-------|
|          | S<br>mm        | kg/m   | S<br>mm        | kg/m   | S<br>mm          | kg/m   | S<br>mm        | kg/m   | S<br>mm         | kg/m   | S<br>mm             | kg/m   | S<br>mm         | kg/m   | S<br>mm        | kg/m  | S<br>mm          | kg/m  | S<br>mm        | kg/m  |
| 16       | -              | -      | -              | -      | -                | -      | -              | -      | -               | -      | -                   | -      | -               | -      | -              | -     | -                | -     | -              | -     |
| 20       | -              | -      | -              | -      | -                | -      | -              | -      | -               | -      | -                   | -      | -               | -      | -              | -     | -                | -     | -              | -     |
| 25       | -              | -      | -              | -      | -                | -      | -              | -      | -               | -      | -                   | -      | -               | -      | -              | -     | -                | -     | -              | -     |
| 32       | -              | -      | -              | -      | -                | -      | -              | -      | -               | -      | -                   | -      | -               | -      | -              | -     | -                | -     | -              | -     |
| 40       | -              | -      | -              | -      | -                | -      | -              | -      | -               | -      | -                   | -      | -               | -      | -              | -     | -                | -     | -              | -     |
| 50       | -              | -      | -              | -      | 1,8              | 0,29   | 2,4            | 0,36   | 3,0             | 0,45   | 3,7                 | 0,54   | 4,6             | 0,66   | 5,6            | 0,78  | 6,9              | 0,93  | 8,3            | 1,08  |
| 63       | 1,8            | 0,36   | 2,0            | 0,39   | 2,4              | 0,47   | 3,0            | 0,57   | 3,8             | 0,71   | 4,7                 | 0,87   | 5,8             | 1,04   | 7,1            | 1,25  | 8,6              | 1,46  | 10,3           | 1,69  |
| 75       | 1,9            | 0,45   | 2,3            | 0,54   | 2,7              | 0,63   | 3,6            | 0,81   | 4,5             | 1,01   | 5,6                 | 1,23   | 6,8             | 1,46   | 8,4            | 1,75  | 10,3             | 2,08  | 12,5           | 2,43  |
| 90       | 2,3            | 0,64   | 2,8            | 0,78   | 3,3              | 0,93   | 4,3            | 1,16   | 5,4             | 1,45   | 6,7                 | 1,76   | 8,2             | 2,11   | 10,1           | 2,53  | 12,3             | 2,99  | 15,0           | 3,51  |
| 110      | 2,7            | 0,93   | 3,4            | 1,16   | 4,0              | 1,37   | 5,3            | 1,74   | 6,6             | 2,15   | 8,1                 | 2,60   | 10,0            | 3,13   | 12,3           | 3,76  | 15,1             | 4,47  | 18,3           | 5,22  |
| 125      | 3,1            | 1,22   | 3,9            | 1,50   | 4,5              | 1,74   | 6,0            | 2,25   | 7,4             | 2,74   | 9,2                 | 3,35   | 11,4            | 4,06   | 14,0           | 4,87  | 17,1             | 5,76  | 20,8           | 6,74  |
| 140      | 3,5            | 1,52   | 4,3            | 1,86   | 5,1              | 2,21   | 6,7            | 2,81   | 8,3             | 3,44   | 10,3                | 4,20   | 12,7            | 5,06   | 15,7           | 6,09  | 19,2             | 7,23  | 23,3           | 8,45  |
| 160      | 4,0            | 1,97   | 4,9            | 2,40   | 5,8              | 2,87   | 7,7            | 3,69   | 9,5             | 4,50   | 11,8                | 5,48   | 14,6            | 6,64   | 17,9           | 7,94  | 21,9             | 9,42  | 26,6           | 11,03 |
| 180      | 4,4            | 2,46   | 5,5            | 3,04   | 6,5              | 3,61   | 8,6            | 4,64   | 10,7            | 5,69   | 13,3                | 6,96   | 16,4            | 8,40   | 20,1           | 10,04 | 24,6             | 11,91 | 29,9           | 13,94 |
| 200      | 4,9            | 3,02   | 6,2            | 3,81   | 7,2              | 4,44   | 9,6            | 5,75   | 11,9            | 7,02   | 14,7                | 8,53   | 18,2            | 10,36  | 22,4           | 12,42 | 27,4             | 14,73 | 33,2           | 17,21 |
| 225      | 5,5            | 3,82   | 6,9            | 4,74   | 8,2              | 5,68   | 10,8           | 7,26   | 13,4            | 8,90   | 16,6                | 10,83  | 20,3            | 13,00  | 25,2           | 15,72 | 30,8             | 18,61 | 37,4           | 21,79 |
| 250      | 6,2            | 4,79   | 7,7            | 5,88   | 9,1              | 6,99   | 11,9           | 8,89   | 14,8            | 10,91  | 18,4                | 13,34  | 22,7            | 16,12  | 27,9           | 19,32 | 34,2             | 22,98 | 41,5           | 26,87 |
| 280      | 6,9            | 5,94   | 8,6            | 7,35   | 10,1             | 8,71   | 13,4           | 11,18  | 16,6            | 13,70  | 20,6                | 16,72  | 25,4            | 20,21  | 31,3           | 24,28 | 38,3             | 28,82 | 46,5           | 33,71 |
| 315      | 7,7            | 7,46   | 9,7            | 9,32   | 11,4             | 11,02  | 15,0           | 14,10  | 18,7            | 17,35  | 23,2                | 21,19  | 28,6            | 25,58  | 35,2           | 30,72 | 43,1             | 36,48 | 52,3           | 42,66 |
| 355      | 8,7            | 9,49   | 10,9           | 11,78  | 12,9             | 14,05  | 16,9           | 17,86  | 21,1            | 22,09  | 26,1                | 26,87  | 32,2            | 32,47  | 39,7           | 39,01 | 48,5             | 46,25 | 59,0           | 54,19 |
| 400      | 9,8            | 12,03  | 12,3           | 15,01  | 14,5             | 17,83  | 19,1           | 22,72  | 23,7            | 27,91  | 29,4                | 34,07  | 36,3            | 41,23  | 44,7           | 49,49 | 54,7             | 58,75 | 66,7           | 68,95 |
| 450      | 11,0           | 15,17  | 13,8           | 18,90  | 16,3             | 22,52  | 21,5           | 28,81  | 26,7            | 35,36  | 33,1                | 43,16  | 40,9            | 52,21  | 50,3           | 62,66 | 61,5             | 74,32 | -              | -     |
| 500      | 12,3           | 18,89  | 15,3           | 23,31  | 18,1             | 27,74  | 23,9           | 35,56  | 29,7            | 43,70  | 36,8                | 53,25  | 45,4            | 64,42  | 55,8           | 77,22 | -                | -     | -              | -     |
| 560      | 13,7           | 23,52  | 17,2           | 29,34  | 20,3             | 34,84  | 26,7           | 44,51  | 33,2            | 54,74  | 41,2                | 66,81  | 50,8            | 80,70  | 62,2           | 96,43 | -                | -     | -              | -     |
| 630      | 15,4           | 29,75  | 19,3           | 37,01  | 22,8             | 43,99  | 30,0           | 56,24  | 37,4            | 69,33  | 46,3                | 84,45  | 57,2            | 102,25 | -              | -     | -                | -     | -              | -     |
| 710      | 17,4           | 37,86  | 21,8           | 47,04  | 25,7             | 55,89  | 33,9           | 71,52  | 42,1            | 87,97  | 52,2                | 107,28 | 64,5            | 129,97 | -              | -     | -                | -     | -              | -     |
| 800      | 19,6           | 48,01  | 24,5           | 59,58  | 29,0             | 71,11  | 38,1           | 90,58  | 47,4            | 111,55 | 58,8                | 136,09 | -               | -      | -              | -     | -                | -     | -              | -     |
| 900      | 22,0           | 60,55  | 27,6           | 75,47  | 32,6             | 89,82  | 42,9           | 114,77 | 53,3            | 141,11 | 66,2                | 172,29 | -               | -      | -              | -     | -                | -     | -              | -     |
| 1000     | 24,5           | 74,98  | 30,6           | 92,96  | 36,2             | 110,84 | 47,7           | 141,83 | 59,3            | 174,39 | 73,5                | 212,64 | -               | -      | -              | -     | -                | -     | -              | -     |
| 1200     | 29,4           | 107,93 | 36,7           | 133,73 | 43,5             | 159,84 | 57,2           | 203,39 | 70,6            | 248,56 | -                   | -      | -               | -      | -              | -     | -                | -     | -              | -     |
| 1400     | 34,3           | 146,87 | 42,9           | 182,28 | 50,7             | 217,01 | 66,7           | 276,21 | 82,4            | 337,82 | -                   | -      | -               | -      | -              | -     | -                | -     | -              | -     |
| 1600     | 39,2           | 191,80 | 49,0           | 237,89 | 58,0             | 283,79 | 76,2           | 360,37 | 94,1            | 440,55 | -                   | -      | -               | -      | -              | -     | -                | -     | -              | -     |

\* Diameter pipe: Externally S = Wall thickness (single-sided) Flanges = Aluminium and Steel



## WATERKING FLOATERS

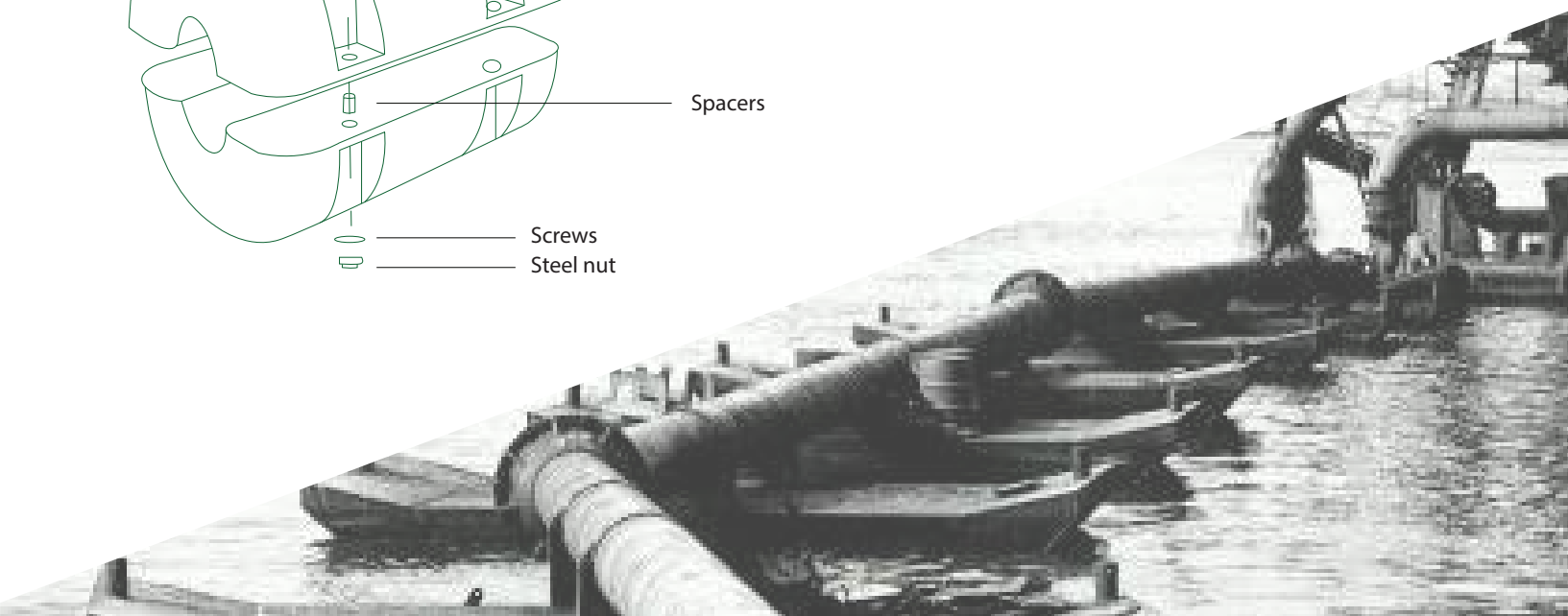
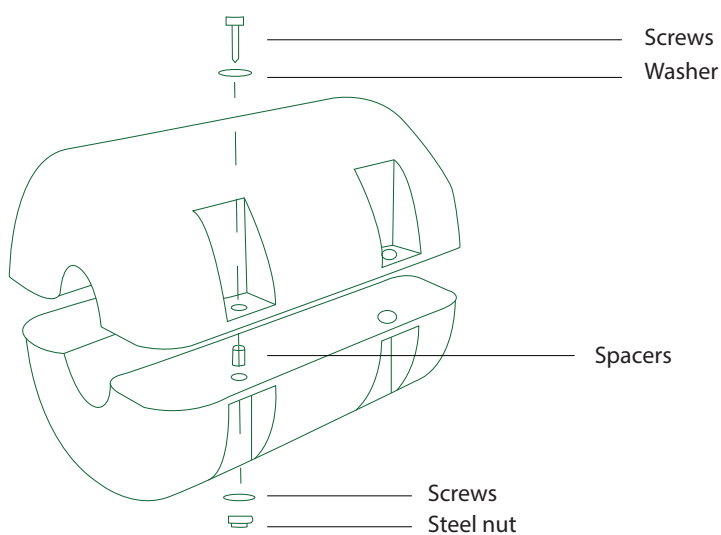
Impact resistant

We offer only the best

### Floaters

To keep the flexible dredging hoses afloat, floaters can be used. The floaters for pipelines are made of polyethylene and are impact-resistant.

The floaters are easily created from two half shells linked together by galvanized bolts.





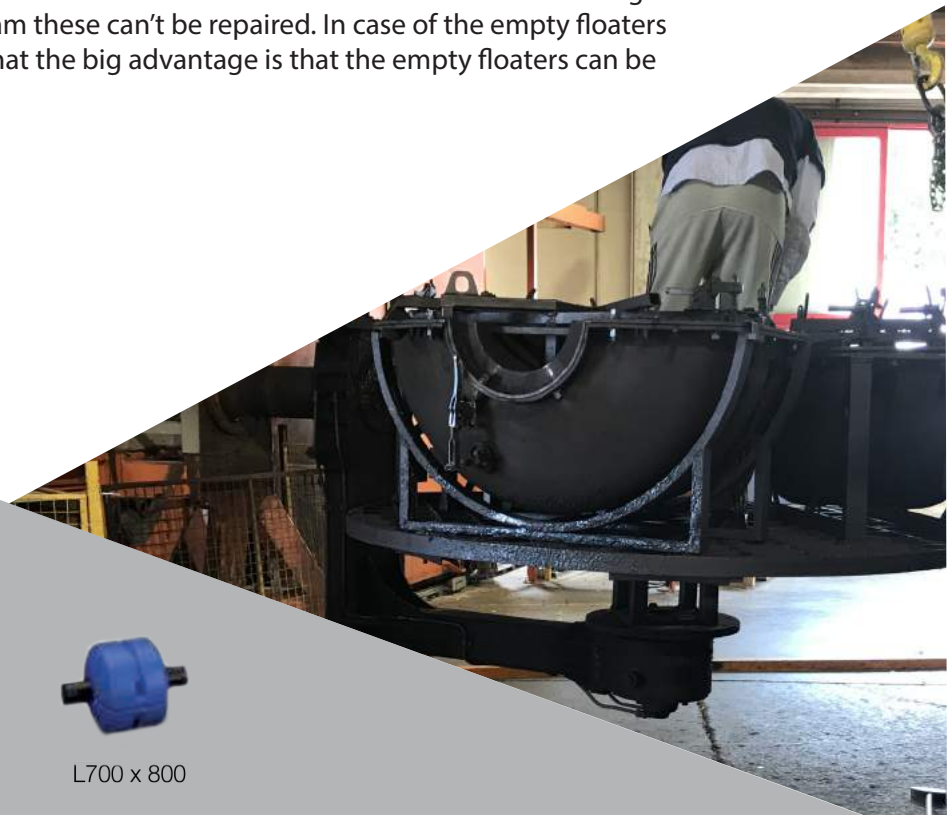


### Floaters with second generation technology

They are manufactured with the help of a rotational moulding system. The product will be shaped in a mould by tension free heating of PE powder. Because of the rotation the PE melts against the inner sides of the mould and will take on the shape of the mould. The product will be chilled after this process. By processing the basic product tension free the floater has a thickness uniformity and is a monolithic seamless product. It has great impact strength and has UV ray protection.

### Why we choose to offer floaters without foam

On request we can deliver the floaters with polyurethane foam. Waterking however advises to buy floaters without polyurethane foam because of the much higher price/quality ratio in comparison to floaters that do have the foam. Whenever a tear or other damage appears on one of the floaters that do have foam these can't be repaired. In case of the empty floaters the damage usually can be repaired. Besides that the big advantage is that the empty floaters can be recycled.



L1200 x 1250



L700 x 1000



L700 x 800

## FLOATERS

| FLOATER FF<br>DIAMETER 110 TOT 160 MM | DIMENSIONS |        |        | EMPTY (WITHOUT FOAM) |             |
|---------------------------------------|------------|--------|--------|----------------------|-------------|
|                                       | Ø Pipes    | Ø Int. | Ø Ext. | Length               | Net push kg |
| <b>FF 110</b>                         | 110        | 95     | 450    | 550                  | 81          |
| <b>FF 125</b>                         | 125        | 120    | 450    | 550                  | 80          |
| <b>FF 140</b>                         | 140        | 135    | 450    | 550                  | 78          |
| <b>FF 160</b>                         | 160        | 155    | 155    | 550                  | 77          |
| FLOATER HD<br>DIAMETER 180TOT 560 MM  | DIMENSIONS |        |        | EMPTY (WITHOUT FOAM) |             |
|                                       | Ø Pipes    | Ø Int. | Ø Ext. | Length               | Net push kg |
| <b>HD 180</b>                         | 180        | 180    | 800    | 700                  | 276         |
| <b>HD 200</b>                         | 200        | 200    | 800    | 700                  | 274         |
| <b>HD 225</b>                         | 225        | 225    | 800    | 700                  | 266         |
| <b>HD 250</b>                         | 250        | 250    | 800    | 700                  | 260         |
| <b>HD 280</b>                         | 280        | 280    | 1000   | 700                  | 388         |
| <b>HD 315</b>                         | 315        | 315    | 1000   | 700                  | 376         |
| <b>HD 355</b>                         | 355        | 355    | 1000   | 700                  | 374         |
| <b>HD 400</b>                         | 400        | 400    | 1400   | 700                  | 840         |
| <b>HD 450</b>                         | 450        | 450    | 1400   | 700                  | 820         |
| <b>HD 500</b>                         | 500        | 500    | 1400   | 700                  | 794         |
| <b>HD 560</b>                         | 560        | 560    | 1400   | 700                  | 760         |
| FLOATER FR<br>DIAMETER 180 TOT 710 MM | DIMENSIONS |        |        | EMPTY (WITHOUT FOAM) |             |
|                                       | Ø Pipes    | Ø Int. | Ø Ext. | Length               | Net push kg |
| <b>FR 180</b>                         | 180        | 180    | 750    | 1200                 | 480         |
| <b>FR 225</b>                         | 225        | 220    | 750    | 1200                 | 475         |
| <b>FR 250</b>                         | 250        | 230    | 750    | 1200                 | 470         |
| <b>FR 280</b>                         | 280        | 280    | 850    | 1200                 | 580         |
| <b>FR 315</b>                         | 315        | 305    | 850    | 1200                 | 565         |
| <b>FR 350</b>                         | 350        | 330    | 850    | 1200                 | 555         |
| <b>FR 400</b>                         | 400        | 390    | 850    | 1200                 | 490         |
| <b>FR 400</b>                         | 400        | 390    | 1250   | 1200                 | 1270        |
| <b>FR 450</b>                         | 450        | 440    | 1250   | 1200                 | 1230        |
| <b>FR 500</b>                         | 500        | 490    | 1250   | 1200                 | 1190        |
| <b>FR 560</b>                         | 560        | 550    | 1250   | 1200                 | 1135        |
| <b>FR 630</b>                         | 630        | 620    | 1250   | 1200                 | 1050        |
| <b>FR 630</b>                         | 630        | 620    | 1500   | 1200                 | 1700        |
| <b>FR 710</b>                         | 710        | 700    | 1500   | 1200                 | 1600        |



CHECK OUT OUR WEBSITE  
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[WWW.WATERKING.NL](http://WWW.WATERKING.NL)

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