

**Play value**

The element water, with its infinite forms of expression, is defined by its flow, vitality and power. It is only in ideal cases that a natural spring is located at a playground; however every play space needs water, even if it "only" comes out of a pipeline. A water pump with a swipe is especially attractive, where the act of pumping itself becomes a part of the play value, enabling access to the precious liquid. Even small children are able to pump water on the Crank Handle Pump with little effort. A gentle turn of the wheel is all it takes to get involved in the role-playing game with the element of water.

**Fundamental characteristics**

- Extremely sturdy playground pump
- Special design
- Incentive for playing: pump swipe (can be adjusted in 45° steps during assembly)
- Water is pumped on the Crank Handle Pump by turning the crank handle or rocking it back and forth
- Movement: physical effort



Photo © Monica Bedmar



Photo © Anton Donikov



Order No. 5.17630 Playground Pump, Photo © Paul Upward



Photo © Monica Bedmar



Order No. 5.17637 Crank Handle Pump

**Recommended for**

- Kindergarten children
- School children
- Water play areas without supervision

**Planning information**

These two types of pumps can deliver drinking water quality up to the underside of the piston.

Individual solutions for the water supply must be devised, depending on the plans. Up-to-date details on the connection for the water supply and other technical information is available to download as a table at our website

[www.richter-spielgeraete.de](http://www.richter-spielgeraete.de)

**Playground Pumps  
Crank Handle Pumps**

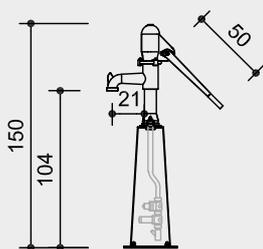


5.17630 / 5.17640

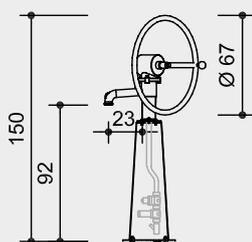


5.17637 / 5.17638

**Order No. 5.17630 / 5.17640**  
**Playground Pump with integrated connection to mains water in the pillar**  
 Drinking water up to underside of piston



**Order No. 5.17637 / 5.17638**  
**Crank Handle Pump with integrated connection to mains water in the pillar**  
 Drinking water up to underside of piston



Safety distance →  
 Device dimensions —●—  
 Functional distance —|—

Scale 1:50

Safety check according to DIN EN 1176

**Components**

**Order No. 5.17630 / 5.17640**

- 1 Playground Pump with integrated connection to mains water in the pillar
- 1 Winter lid made of stainless steel (Order No. 5.17634)

**Order No. 5.17637 / 5.17638**

- 1 Crank Handle Pump with integrated connection to mains water in the pillar
- Utility Model**  
 20 2020 100 441 Germany
- 1 Winter lid made of stainless steel (Order No. 5.17634)

**Installation information**

Surfacing must be ready to take heavy duty bolts.

Alternatively, the pumps can be mounted on the pedestals **Order No. 5.14190 / 5.19003** or foundation anchors **Order No. 5.17505 / 5.17633**.

**Order No. 5.17630 / 5.17637**

Pump must be drained during frost period; secure or remove handle/crank; we recommend disassembly.

**Order No. 5.17640 / 5.17638**

It is absolutely essential to disassemble the equipment during the period of frost.

**Pumps for direct connection to mains water:**

No underground shaft required for function.

**Attention:**

**Exact measurements may vary; for all installation dimensions refer to current assembly instructions.**

Technical changes reserved.

**For use in aggressive environments such as salt or chlorine water, the equipment is also available in marine grade steel (V4A).**

**Technical information**

**Order No. 5.17630 Playground Pump**

Closed piston suction pump; all top parts made from hot-dip galvanised grey cast iron; cylinder housing, air dome cap, mounting plate, forked lever, plunging valve, gland flange and connecting rod are hot-dip galvanised; cylinder with a liner made of brass alloy and plastic piston (POM); drive shaft made of stainless steel, with replaceable brass bearing, additionally fixed with the gland flange using the shaft collar; secured against being extracted by means of a collar; drive shaft bearing made of brass with lubricating nipples; pump capacity: approx. 0.75 l per stroke, bore 75 mm, pump lift 170 mm the valve combination for direct connection to mains water, Ø 1 inch, and a shut-off valve with backflow preventer (type EA) and drainage are installed in the galvanised pillar made of steel; thread 1 inch; min. 2.5 bar water pressure, max. 6 bar, relief valve prevents swipec from striking back, water requirement approx. 45 l/min

**Order No. 5.17640**

General pump specification as **Order No. 5.17630**; but in addition with programmable rinsing device, no connections to power supply required

**Order No. 5.17637 Crank Handle Pump**

Closed piston suction pump; pump and pillar made of stainless steel; cylinder and crank housing, mounting plate, piston rod and drive shaft made of stainless steel; the drive shaft brass bearing is replaceable, fitted with nipple for lubrication; cylinder with a liner made of brass alloy and plastic piston (POM); crank ring made of stainless steel, knob made of plastic material; the valve combination for direct connection to mains water, Ø 1 inch, and a shut-off valve with backflow preventer (type EA) and drainage are installed in the pillar made of stainless steel; external thread 1 inch; min 2.5 bar water pressure, max. 6 bar; relief valve prevents swipec from striking back, water requirement approx. 18 l/min

**Order No. 5.17638**

General pump specification as **Order No. 5.17637**; but in addition with programmable rinsing device; no connection to power supply required

**Dimensions**

(small deviations possible)

**Order No. 5.17630 / 5.17640 Playground Pump**

Equipment height	1.50 m
Width with horizontal pump swipec	0.95 m
Weight	73 kg

**Order No. 5.17637 / 5.17638 Crank Handle Pump**

Equipment height	1.50 m
Width	0.35 / 0.67 m
Weight	70 kg



5.17630 / 5.17640



5.17637 / 5.17638

**Play value**

The element water, with its infinite forms of expression, is defined by its flow, vitality and power. And if a playing observer interacts with it, various different sensory impressions are created.

It is only in ideal cases that a natural spring is located at a playground; however every play space needs water, even if it "only" comes out of a pipeline. A water pump with a swipe is especially attractive, where the act of pumping itself becomes a part of the play value, enabling access to the precious liquid. Our robust playground pumps therefore not only serve as a water supply, but also encourage work- and role-playing games and promote communication and cooperation.

**Fundamental characteristics**

- Sturdy construction
- Special design
- Incentive for playing: pump swipe (can be adjusted in 45° steps during assembly)
- Movement: physical effort



Photo © Monika Bedma

Order No. 5.17630 Playground Pump



Order No. 5.17500 Playground Pump

**Playground Pumps**

**Recommended for**

- Kindergarten children
- School children
- Water play areas without supervision

**Planning information**

Individual solutions for the water supply must be devised, depending on the plans. Up-to-date details on the connection for the water supply and other technical information is available to download as a table at our website [www.richter-spielgeraete.de](http://www.richter-spielgeraete.de).

The water quality is to be clarified with the operator and the health authorities.

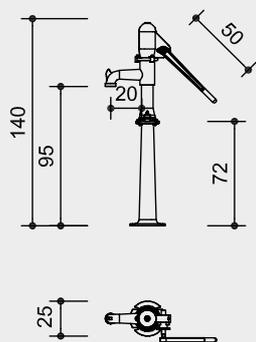


5.17500

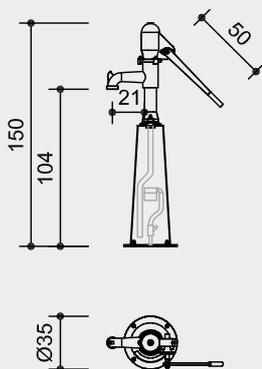


5.17730

**Order No. 5.17500**  
**Playground Pump**  
 Self-priming



**Order No. 5.17730**  
**Playground Pump**  
 with water reservoir in the pillar  
 Drinking water to underside of the pump base



Safety distance →  
 Device dimensions —●—  
 Functional distance —|—

Scale 1:50

Safety check according to DIN EN 1176

**Components**

**Order No. 5.17500**

- 1 Playground pump
- 1 Winter lid made of stainless steel (Order No. 5.17635)

**Order No. 5.17730**

- 1 Playground pump with water reservoir in the pillar
- 1 Winter lid made of stainless steel (Order No. 5.17634)

**Installation information**

Surfacing must be ready to take heavy duty bolts.

Alternatively, the pumps can be mounted on the pedestals **Order No. 5.14190 / 5.19003** or foundation anchors **Order No. 5.17505 / 5.17633**.

**Order No. 5.17500 / 5.17730**

Pump must be drained during frost period; secure or remove handle/crank. We recommend disassembly.

**Pump Order No. 5.17730 for direct connection to mains water:**

No underground shaft required for proper operation.

**Attention:**

**Exact measurements may vary; for all installation dimensions refer to current assembly instructions.**

Technical changes reserved.

**For use in aggressive environments such as salt or chlorine water, the equipment is also available in marine grade steel (V4A).**

**Technical information**

**Order No. 5.17500**  
**Playground Pump**

Closed piston suction pump; all parts made from hot-dip galvanised grey cast iron; cylinder housing, air dome cap, mounting plate, forked lever, plunging valve, gland flange and connecting rod are hot-dip galvanised; cylinder with a liner made of brass alloy and plastic piston (POM); drive shaft made of stainless steel, with replaceable brass bearing, additionally fixed with the gland flange using the shaft collar; secured against being extracted by means of a collar; drive shaft bearing made of brass with lubricating nipples; pump capacity: approx. 0.75 l per stroke, bore 75 mm, pump lift 170 mm, Inlet connection thread 1 1/4" external, suction resistant line 1 1/2", outlet connection thread 1 1/4" internal.

**Order No. 5.17730**

General pump specification as **Order No. 5.17500**; the water reservoir with float valve is integrated in the galvanised steel pillar; max. 6 bar water pressure; 1/2 inch external thread, pressure-resistant pipeline Ø 3/4 inch, water requirement approx. 15 l/min

**Dimensions**

(small deviations possible)

**Order No. 5.17500**  
**Playground Pump**

Equipment height	1.40 m
Width with horizontal pump swipe	0.95 m
Weight	55 kg

**Order No. 5.17730**  
**Playground Pump**

Equipment height	1.50 m
Width with horizontal pump swipe	0.95 m
Weight	73 kg



5.17500



5.17730

**Play value**

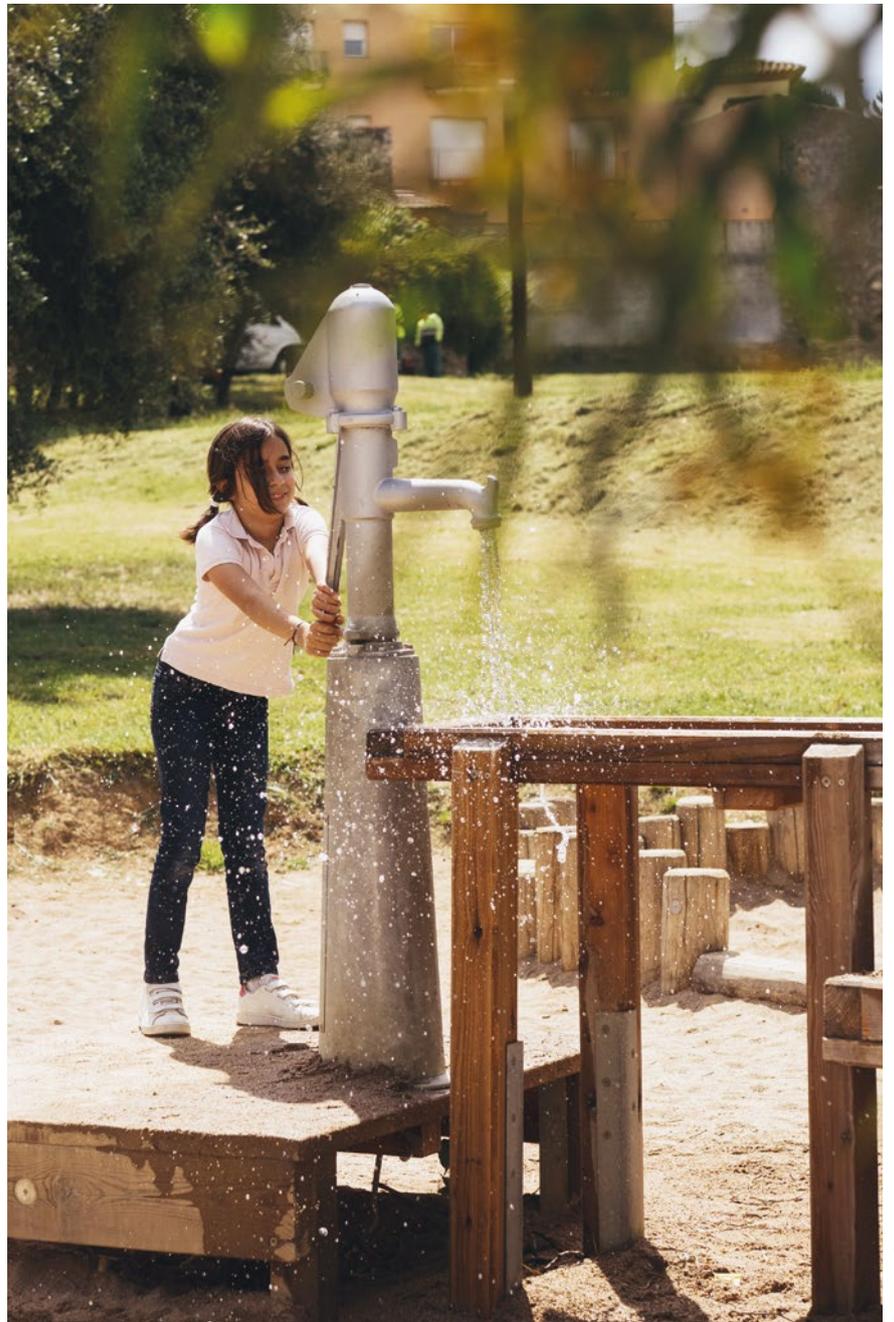
Our pump pedestals made of larch wood or stainless steel with a ribbed surface make it easier for smaller children to operate the crank or the swipe of our playground pumps.

**Fundamental characteristics**

- Sturdy construction
- Minimalist style
- Movement: climbing up

**Recommended for**

- Kindergarten children
- School children
- Water play areas without supervision



Order No. 5.19003 Pump Pedestal made of wood, Photo © Monica Bedmar



Order No. 5.14190 Pump Pedestal made of stainless steel

**Foundation Anchor  
Winter Lid  
Pump Pedestals**



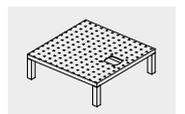
5.17505



5.17633

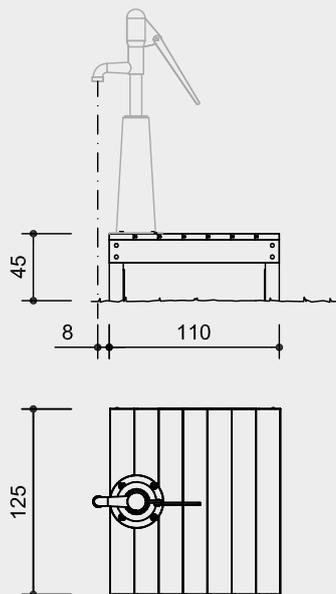


5.19003

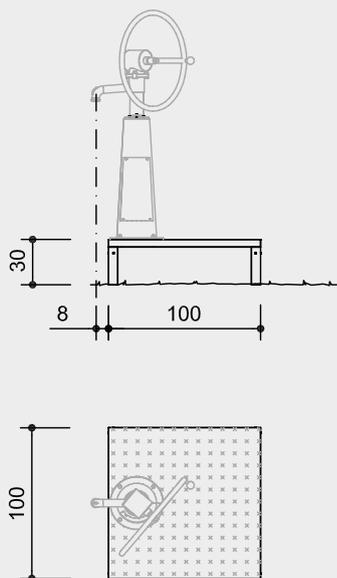


5.14190

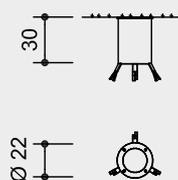
**Order No. 5.19003  
Pump Pedestal**



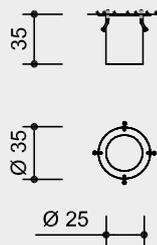
**Order No. 5.14190  
Pump Pedestal made of stainless steel**



**Order No. 5.17505  
Foundation Anchor**



**Order No. 5.17633  
Foundation Anchor**



Safety distance →  
Device dimensions —●—  
Functional distance —|—

Scale 1:50

Safety check according to DIN EN 1176

**Components**

**Order No. 5.17505**

1 Foundation Anchor

**Order No. 5.17633**

1 Foundation Anchor for pumps

**Order No. 5.19003**

1 Pump pedestal with stand posts and steel feet

**Order No. 5.14190**

1 Pedestal with stand posts made of stainless steel for assembling

**Installation information**

Surfacing requirements recommendation: sand with drainage or pavement

**Order No. 5.17505**

Foundations 1 item 60 x 60 x 30 cm  
Excavation depth 50 cm

**Order No. 5.17633**

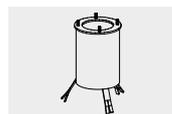
Foundations 1 item 60 x 60 x 50 cm  
Excavation depth 50 cm

**Order No. 5.19003 / 5.14190**

corresponding to a fall height of ≤ 0.60 m (please refer to price list for more detailed information)

Foundations 4 items 50 x 50 x 50 cm  
Excavation depth 70 cm

The supply line underneath the pedestals is to be faced on site.



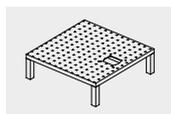
5.17505



5.17633



5.19003



5.14190

**Technical information**

**Order No. 5.19003 Pump Pedestal**  
Equipment made of mountain larch

**Core-free**

Sawn-timbers core-free, thus decreasing occurrences of cracking and undesired changes in shape



**Tongue and groove**

Tongue and groove planks made of 4 cm solid wood, highly resilient, no trickling of dust / sand, protection against direct rain



**Ground anchor**

All parts used for anchoring to the ground are made of hot-dip galvanised steel or stainless steel



**For more detailed explanation of the quality characteristics see price list.**

**Order No. 5.14190 Pump Pedestal**

Equipment made of stainless steel, glass-bead blasted, surface made of embossed sheet metal, support posts 60 / 60 cm for assembling

**For use in aggressive environments such as salt or chlorine water, the equipment is also available in marine grade steel (V4A).**

**Order No. 5.17505 Foundation Anchor** made of galvanised steel for Playground Pump **Order No. 5.17500**

**Order No. 5.17635 Winter Lid** made of stainless steel for **Order No. 5.17500** and Foundation Anchor **Order No. 5.17505**

**Order No. 5.17633 Foundation Anchor** made of galvanised steel for Playground Pump **Order No. 5.17630 / 5.17730**

**Order No. 5.17634 Winter Lid** made of stainless steel for Playground Pump **Order No. 5.17630 / 5.17730** and Foundation Anchor **Order No. 5.17633**

**Dimensions**  
(small deviations possible)

**Order No. 5.17505 / 5.17633**  
Height 0.30 / 0.35 m  
Diameter 0.22 / 0.35 m  
Weight 9 kg / 8 kg

**Order No. 5.17634**  
Diameter 0.34 m  
Thickness 2.5 mm  
Weight 2 kg

**Order No. 5.17635**  
Diameter 0.22 m  
Thickness 2.5 mm  
Weight 1 kg

**Order No. 5.19003**  
Width 1.25 m  
Depth 1.10 m  
Max. height 0.45 m  
Weight 95 kg

**Order No. 5.14190**  
Width 1.00 m  
Depth 1.00 m  
Max. height 0.30 m  
Weight 70 kg

**Attention:**  
**Exact measurements may vary;**  
**for all installation dimensions refer to current assembly instructions.**  
Technical changes reserved.