

Function and Play value

Screw-like and spiralling movements naturally occur in nature. It takes practice to recognize these complex current forms, for example in a whirlpool. To perceive, this means to intuitively recognize the pre-historic conditions under which mankind developed. Those who turn the hand-crank at this play station experience two interrelated forces and can experience the principle behind a vortex. With increasing acceleration the impeller creates a whirlpool which can be very clearly seen in the water filled cylinder. While a vortex funnel forms downwards, the water flowing in the opposite direction creates a counter vortex in the cylinder. The turning motion from top to bottom causes a sucking effect which draws the water upwards. The water mass which forms a vortex funnel rotates in a spiralling shape in two directions creating its own counter movement.

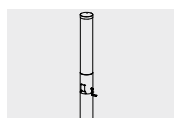
Suitable

- for water play areas
- swimming pools
- technical museums
- reception areas of companies
- parks, nature reserves, botanical gardens

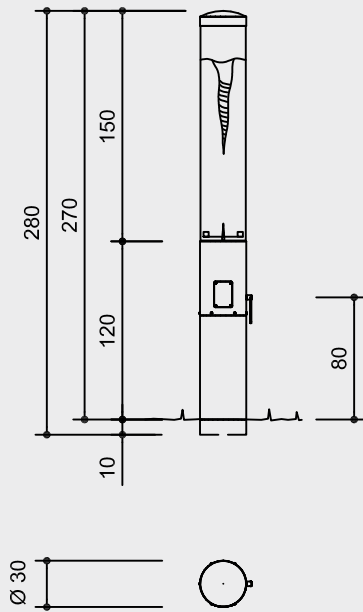


Whirlpool Column
Whirlpool Column with Lighting
graubner Play Stations for
 Developing the Senses

Vandalism	slightly vulnerable
Supervision	not necessary
Explanation board	not necessary
Installation	indoors and outdoors
Safety check (EN 1176)	not necessary
Installation in concrete	possible



10.17000/10.17500



scale 1:50

Technical information

large thick-walled whirlpool cylinder of extremely impact-resistant acrylic glass

special algae-free glycol mixture, frostproof to approx. - 20° C

support column made of stainless steel

low-maintenance gear with freewheel turning handle against anti-kickback device

Order No. 10.17500

Whirlpool Column with Lighting

technical details as described before, but in addition with internal LED lighting at the base of the whirlpool cylinder, power generation by dynamo, illumination only during rotational movement

Dimensions

(small deviations possible)

height	2.80 m
diameter	0.30 m
weight	100 kg
incl. water and packaging material	210 kg

Components

1 whirlpool column
3 canisters with 20 l glycol mixture each

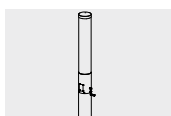
Installation information

Recommended space
circle diameter 3.00 m

Foundations
1 item 50 x 50 x 60 cm
excavation depth 70 cm

Attention!

Exact measurements may vary, for all installation dimensions refer to current installation instructions.
Subject to technical changes!



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