

Water play equipment overview – water supply and spraying heads/water jets

General information

- Always fit a drainage system for the hot periods, e.g. a concrete well at the lowest level of the installation and one shut-off valve with venting valve in the line section for each water consuming device; no water pockets in the pipeline system.
- Clarify the water quality with the authorizing authority and the technical requirements with the water supplier (required safety devices such as e.g. backflow preventer or pipe disconnector); this may be handled differently depending on the region.
- For each water consuming device connected to mains water supply, we generally recommend fitting a pipe diameter of 1".

Order No.	Description	Supply	water requirement for network rating	flow rate per stroke	technical water quality	Ø pipeline supply	external thread on equipment	type of hose required	supply line / hose included in delivery	suction height	max. distance to water source	hygienic water quality	external thread on equipment	Ø pipeline outflow	type of hose required	hose included in standard delivery	max. conveying distance / spraying	max. conveying distance / spraying height	disassembly and hose-free storage	drainage	Richter accessories	planning information
5.17100	Valve Combination, without connecting parts such as hoses etc.	pressure	2.5-6 bar	-	-	1"	1" external	pressure-resistant drinking water hose	-	-	-	-	1" external	1"	pressure- and suction-resistant hose (hyg. quality as required)	-	6 m	2.5 m	essential	disconnect all pipelines and drain	-	only operates directly on the pump
5.17130	Valve Combination for Water Building Site, under platform floor	pressure	2.5-6 bar	-	-	1"	1" external	pressure-resistant stainless steel drinking water pipe	-	-	-	-	1.1/4" internal	connect directly to the pump!	-	-	-	essential	disconnect all pipelines and drain	-	-	
5.17140	Valve Combination with prog. Rinsing device	pressure	2.5-6 bar	-	-	1"	1" external	pressure-resistant drinking water mains	-	-	-	-	1" außen	1"	pressure- and suction-resistant hose (hyg. quality as required)	-	6 m	2.5 m	essential	disconnect all pipelines and drain	-	-
5.17170	Float Valve Box of stainless steel	max. 6 bar	30 l/min	-	-	1 1/2"	3/4" external	pressure-resistant hose	-	-	-	-	-	-	-	-	-	-	essential	disconnect all pipelines and drain	filter with non-return valve 0.97605	for water supply of a basin provided by the customer
5.17500	Playground Pump	self-priming	0.75 l	-	-	1 1/2"	1 1/4" external	vacuum-compatible hose	-	max 2.5 m	max 6 m	-	1 1/4" internal	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.17605 and writer lid 5.17635	suitable for connection to water mains using Valve Combination 5.17100 / 5.17140
5.17510	Playground Pump without mounting stand	self-priming	0.75 l	-	-	1 1/2"	1 1/4" external	vacuum-compatible hose	-	max 2.5 m	max 6 m	-	1 1/4" internal	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.17633 and writer lid 5.17634	suitable for connection to water mains using Valve Combination 5.17100 / 5.17140
5.17630	Playground Pump for direct connection to water mains drinking water up to underside of piston	2.5-6 bar	45 l/min	0.75 l	-	1"	1" external	pressure-resistant drinking water hose	-	-	-	-	1 1/4" internal	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.17633 and writer lid 5.17634	pipe disconnector required on site (not included)
5.17632	Playground Pump for direct connection to water mains drinking water up to underside of piston	2.5-6 bar	45 l/min	0.75 l	-	1"	1" external	pressure-resistant drinking water hose	-	-	-	-	1 1/4" internal	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.17633 and writer lid 5.17634	pipe disconnector required on site (not included)
5.17637	Crank Handle Pump, direct connection to pressure line, drinking water to underside of piston	2.5-6 bar	18 l/min	0.30 l	-	1"	1" external	pressure-resistant drinking water hose	-	-	-	-	1.1/4" innen	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.17633 and writer lid 5.17634	pipe disconnector required on site (not included)
5.17638	Crank Handle Pump with programmable rinsing device for direct connection to pressure line, drinking water to underside of piston	2.5-6 bar	18 l/min	0.30 l	-	1"	1" external	pressure-resistant drinking water hose	-	-	-	-	1.1/4" innen	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.17633 and writer lid 5.17634	pipe disconnector required on site (not included)
5.17640	Playground Pump for direct connection to water mains drinking water to underside of the pump base	2.5-6 bar	45 l/min	0.75 l	-	1"	1" external	pressure-resistant drinking water hose	-	-	-	-	1 1/4" internal	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.17633 and writer lid 5.17634	pipe disconnector required on site (not included)
5.17730	Playground Pump for direct connection to water mains drinking water to underside of the pump base	max. 6 bar	15 l/min	0.75 l	-	3/4"	1/2" external	pressure-resistant drinking water hose	-	-	-	-	1 1/4" internal	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.17633 and writer lid 5.17634	pipe disconnector required on site (not included)
5.18000	Mushroom Spring of stainless steel for in situ concrete foundation	2.5-5 bar	15 l/min	approx. 30 sec. adjustable +5/-10	-	3/4"	3/4" internal	pressure-resistant pipeline	-	-	-	-	-	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.18005	pipe disconnector required on site (not included)
5.18002	Mushroom Spring, stainless steel, for site concrete foundation, with programmable rinsing device for connection to pressure line	2.5-5 bar	15 l/min	approx. 30 sec. adjustable +5/-10	-	3/4"	3/4" internal	pressure-resistant pipeline	-	-	-	-	-	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.18005	pipe disconnector required on site (not included)
5.18005	Mushroom Spring of stainless steel for concrete basins	2.5-5 bar	15 l/min	approx. 30 sec. adjustable +5/-10	-	3/4"	3/4" internal	pressure-resistant pipeline	-	-	-	-	-	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.18005	pipe disconnector required on site (not included)
5.18020	Water Push Button, stainless steel, button with delayed action	2.5-5 bar	15 l/min	approx. 30 sec. adjustable +5/-10	-	3/4"	3/4" internal	pressure-resistant pipeline	-	-	-	-	3/4" internal	3/4"	pressure-resistant hose	-	max 8 m	depending on mains pressure and adjustable	essential	disconnect all pipelines and drain	foundation anchor 5.18025	height of the spraying head irrelevant
5.18022	Water Push Button, stainless steel, with time-delay push button, push button powder coated in red, with programmable rinsing device	2.5-5 bar	15 l/min	approx. 30 sec. adjustable +5/-10	-	3/4"	3/4" internal	pressure-resistant pipeline	-	-	-	-	3/4" internal	3/4"	pressure-resistant hose	-	max 8 m	depending on mains pressure and adjustable	essential	disconnect all pipelines and drain	foundation anchor 5.18025	height of the spraying head irrelevant
5.18030	Mushroom Column Spring, stainless steel, for site concrete foundation	2.5-5 bar	15 l/min	approx. 30 sec. adjustable +5/-10	-	3/4"	3/4" internal	pressure-resistant pipeline	-	-	-	-	-	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.18035	pipe disconnector required on site (not included)
5.18050	Splash Pump of stainless steel with fixed spraying head	self-priming	approx. 0.05 l	-	-	1 1/2"	3/4" external	vacuum-compatible hose	-	max 2.5 m	max 6 m	-	3/4" external	-	-	-	max 10 m wide	max 5 m high	essential	disconnect all pipelines and drain	foundation anchor 5.18055	sector limitation possible (additional charge)
5.18052	Intake Container for Splash Pump	max. 6 bar	4 l/min	-	-	1 1/2"	3/4" external	pressure-resistant pipeline	-	-	-	-	3/4" external	-	-	-	max 10 m wide	max 5 m high	essential	disconnect all pipelines and drain	foundation anchor 5.18055	sector limitation possible (additional charge)
5.18060	Splash Pump of stainless steel with mushroom head	self-priming	approx. 0.05 l	-	-	1 1/2"	3/4" external	vacuum-compatible hose	-	max 2.5 m	max 6 m	-	3/4" external	-	-	-	max 10 m wide	max 5 m high	essential	disconnect all pipelines and drain	foundation anchor 5.18055	sector limitation possible (additional charge)
5.18130	Pedal Pump, stainless steel, with nozzle in the handle bar, incl. writer lid	self-priming	2 l/min	approx. 0.02 l	-	1 1/2"	3/4" external	vacuum-compatible hose	-	max 2.5 m	max 6 m	-	3/4" external	-	-	-	max 8 m wide	max 5 m high	essential	disconnect all pipelines and drain	foundation anchor 5.18135	concrete well E18250 with mains integrated stainless steel intake container for pedal pump for direct connection to pressure mains
5.18230	Pedal Pump, stainless steel, for external nozzle, incl. writer lid	self-priming	2 l/min	approx. 0.02 l	-	1 1/2"	3/4" external	vacuum-compatible hose	-	max 2.5 m	max 6 m	-	3/4" external	1 1/2"	pressure- and suction-resistant hose (hyg. quality as required)	-	-	depending on nozzle	essential	disconnect all pipelines and drain	foundation anchor 5.18235	concrete well E18250 with mains integrated stainless steel intake container for pedal pump for direct connection to pressure mains
5.18250	Concrete Well with integrated stainless steel intake container for pedal pump for direct connection to pressure mains	max. 6 bar	2 l/min	-	-	3/4"	1" internal	pressure-resistant pipeline	-	-	-	-	3/4" external	1 1/2"	pressure- and suction-resistant hose (hyg. quality as required)	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.18255	concrete well E18250 with mains integrated stainless steel intake container for pedal pump for direct connection to pressure mains	
5.18500	Little Whale of stainless steel with float valve box	max. 6 bar	4 l/min	approx. 0.05 l	-	1 1/2"	1 1/2" external	pressure-resistant drinking water hose	-	-	-	-	1 1/2" external	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.18505	concrete well E18250 with mains integrated stainless steel intake container for pedal pump for direct connection to pressure mains
5.18600	See-Saw Pump for connection to the water mains	max. 6 bar	15 l/min	0.75 l	-	1"	1" external	pressure-resistant drinking water hose	-	-	-	-	1" external	as required	-	-	8 m	6 m	-	disconnect all pipelines and drain	foundation anchor 5.18605	water consuming device (spraying head or similar outlet) must not be installed at a level lower than the underside of pump; allow for water supply drainage
5.18700	See-Saw Pump for water supply from a pond	self-priming	15 l/min	0.75 l	-	1"	1" external	vacuum-compatible hose	-	max 3.5 m	max 6 m	-	1" external	as required	-	-	8 m	6 m	-	disconnect all pipelines and drain	foundation anchor 5.18705	Suction hose 25mm, L4.00m, incl. brass suction basket and check valve 0.97880
5.18750	See-Saw Pump, stainless steel for water supply from a pond or similar	self-priming	15 l/min	0.75 l	-	1"	1" external	vacuum-compatible hose	-	max 3.5 m	max 6 m	-	1" external	as required	-	-	8 m	6 m	-	disconnect all pipelines and drain	foundation anchor 5.18755	Suction hose 25mm, L4.00m, incl. brass suction basket and check valve 0.97880
5.20010	Intake Container with float valve for Archimedes Screw	max. 6 bar	30 l/min	-	-	3/4"	1" external	pressure-resistant pipeline	-	-	-	-	1" external	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.20015	empy reservoir, drain all pipelines
5.25050	Water Jet	max. 6 bar	15 l/min	0.50 l	-	3/4"	1" internal	pressure-resistant pipeline	-	-	-	-	-	-	-	-	max. 7 m radius	-	essential	disconnect all pipelines and drain	foundation anchor 5.25055	do not install in sand, install at raised level if applicable. If there are several pieces of equipment, there should be a max. of 5 m between them.
5.25055	Water Jet for water basin	max. 6 bar	15 l/min	0.50 l	-	3/4"	1" internal	pressure-resistant pipeline	-	-	-	-	-	-	-	-	max. 7 m radius	-	essential	disconnect all pipelines and drain	foundation anchor 5.25055	do not install in sand, install at raised level if applicable. If there are several pieces of equipment, there should be a max. of 5 m between them.
5.25070	Water Jet for external water jet	max. 6 bar	15 l/min	0.50 l	-	3/4"	1" internal	pressure-resistant pipeline	-	-	-	-	1" internal	3/4"	pressure-resistant hose	-	max 6 m wide	-	essential	disconnect all pipelines and drain	foundation anchor 5.25075	Do not install in sand, install at raised level if applicable.
5.25500	Mushroom Fountain for installation in water	max. 6 bar	40 l/min	-	-	3/4"	1" internal	pressure-resistant pipeline	-	15 cm from upper edge of well to top of reservoir	distance to reservoir 2-5m	-	-	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.25505	install float valve box externally, do not install in sand/gravel
5.25600	Mushroom Fountain	max. 6 bar	40 l/min	-	-	3/4"	1" internal	pressure-resistant pipeline	-	-	-	-	-	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.25605	do not install in sand/gravel
5.26000	Lever Pump	2.5-6 bar	80 l/min	differs according to operation	-	3/4"	1" internal	pressure-resistant pipeline	-	-	-	-	-	-	-	-	-	-	essential	disconnect all pipelines and drain	foundation anchor 5.26005	do not install in sand/gravel
5.27010	Long Handle Pump with valve system	2.5-6 bar	15 l/min	0.5 l	-	1"	1" internal	pressure-resistant drinking water hose	-	-	-	-	1" external	1"	pressure-resistant hose	-	10 m	5 m	-	disconnect all pipelines and drain	foundation anchor 5.27015	Optionally available with programmable rinsing device at extra charge
5.27015	Pump See-Saw with valve system	2.5-6 bar	20 l/min	0.4 l	-	1"	1" internal	pressure-resistant drinking water hose	-	-	-	-	1" external	1"	pressure-resistant hose	-	10 m	5 m	-	disconnect all pipelines and drain	foundation anchor 5.27020	Optionally available with programmable rinsing device at extra charge
5.27110	Long Handle Pump with reservoir	max. 6 bar	15 l/min	0.5 l	-	1"	1" internal	pressure-resistant drinking water hose	-	-	-	-	1" external	1"	pressure-resistant hose	-	10 m	5 m	-	disconnect all pipelines and drain	foundation anchor 5.27115	Optionally available with programmable rinsing device at extra charge
5.27115	Pump See-Saw with reservoir	max. 6 bar	20 l/min	0.4 l	-	1"	1" internal	pressure-resistant drinking water hose	-	-	-	-	1" external	1"	pressure-resistant hose	-	10 m	5 m	-	disconnect all pipelines and drain	foundation anchor 5.27120	Optionally available with programmable rinsing device at extra charge
5.27120	Simple Spraying Head with soft water jet and large flange for foundations made on site, integrated cleaning mechanism	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide	-	max 6 m	-	-	-	-	-	max 2 m high (for 1 spraying head per pump)	-	-	disconnect all pipelines and drain	connection tube 5.18811	for pumps with reservoirs, the water consuming device (spraying head or similar outlet) must not be installed at a level lower than underside of pump; allow for water supply drainage; working area directly underneath spraying head
5.18815	Simple Spraying Head with strong water jet and large flange for foundation made on site	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide	-	max 6 m	-	-	-	-	-	max 6 m high (for 1 spraying head per pump)	-	-	disconnect all pipelines and drain	connection tube 5.18811	should only be used where the Spraying Heads are not accessible; for pumps with reservoirs, the water consuming device (spraying head or similar outlet) must not be installed at a level lower than underside of pump; allow for water supply drainage; working area directly underneath spraying head
5.18816	Simple Spraying Head with soft water jet and large flange, high water jet, for foundation made on site	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide	-	max 6 m	-	-	-	-	-	max 5 m high (for 1 spraying head per pump)	-	-	disconnect all pipelines and drain	connection tube 5.18811	for pumps with reservoirs, the water consuming device (spraying head or similar outlet) must not be installed at a level lower than underside of pump; allow for water supply drainage; working area directly underneath spraying head
5.18817	Simple Spraying Head with soft water jet and large flange, medium high water jet, for foundation made on site	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide	-	max 6 m	-	-	-	-	-	max 5 m high (for 1 spraying head per pump)	-	-	disconnect all pipelines and drain	connection tube 5.18811	for pumps with reservoirs, the water consuming device (spraying head or similar outlet) must not be installed at a level lower than underside of pump; allow for water supply drainage; working area directly underneath spraying head
5.18818	Simple Spraying Head with soft water jet and large flange, low water jet, for foundation made on site	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide	-	max 6 m	-	-	-	-	-	max 5 m high (for 1 spraying head per pump)	-	-	disconnect all pipelines and drain	connection tube 5.18811	for pumps with reservoirs, the water consuming device (spraying head or similar outlet) must not be installed at a level lower than underside of pump; allow for water supply drainage; working area directly underneath spraying head
5.18830	Simple Spraying Head with small water jet and small flange, integrated cleaning mechanism	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide	-	max 6 m	-	-	-	-	-	max 2 m high (for 1 spraying head per pump)	-	-	disconnect all pipelines and drain	foundation anchor 5.18835, connection tube 5.18811	for pumps with reservoirs, the water consuming device (spraying head or similar outlet) must not be installed at a level lower than underside of pump; allow for water supply drainage; working area under the spraying head not possible. Remember to provide disassembly.
5.18835	Simple Spraying Head with high water jet and small flange	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide	-	max 6 m	-	-	-	-	-	max 6 m high (for 1 spraying head per pump)	-	-	disconnect all pipelines and drain	foundation anchor 5.18835, connection tube 5.18811	should only be used where the Spraying Heads are not accessible; for pumps with reservoirs, the water consuming device (spraying head or similar outlet) must not be installed at a level lower than underside of pump; allow for water supply drainage; working area under the spraying head not possible. Remember to provide disassembly.
5.18836	Simple Spraying Head with soft water jet and small flange, high water jet	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide	-	max 6 m	-	-	-	-	-	max 5 m high (for 1 spraying head per pump)	-	-	disconnect all pipelines and drain	foundation anchor 5.18835, connection tube 5.18811	for pumps with reservoirs, the water consuming device (spraying head or similar outlet) must not be installed at a level lower than underside of pump; allow for water supply drainage; working area under the spraying head not possible. Remember to provide disassembly.
5.18837	Simple Spraying Head with soft water jet and small flange, medium high water jet	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide	-	max 6 m	-	-	-	-	-	max 5 m high (for 1 spraying head per pump)	-	-	disconnect all pipelines and drain	foundation anchor 5.18835, connection tube 5.18811	for pumps with reservoirs, the water consuming device (spraying head or similar outlet) must not be installed at a level lower than underside of pump; allow for water supply drainage; working area under the spraying head not possible. Remember to provide disassembly.
5.18838	Simple Spraying Head with soft water jet and small flange, low water jet	-	-	-	-	3/4"	1" external	pressure-resistant pipeline	connector: 60 cm green spiral hose DN25 + 2 hose couplings 1" + 2 clamping clips wide</													