

Water treatment





Clear Fountain System II

Water quality automatically under control



Password-protected programming



For a well-kept fountain system, a clean pool and perfect water



Optimally coordinated components consisting of dosing pumps, control instruments and products for water treatment in one system



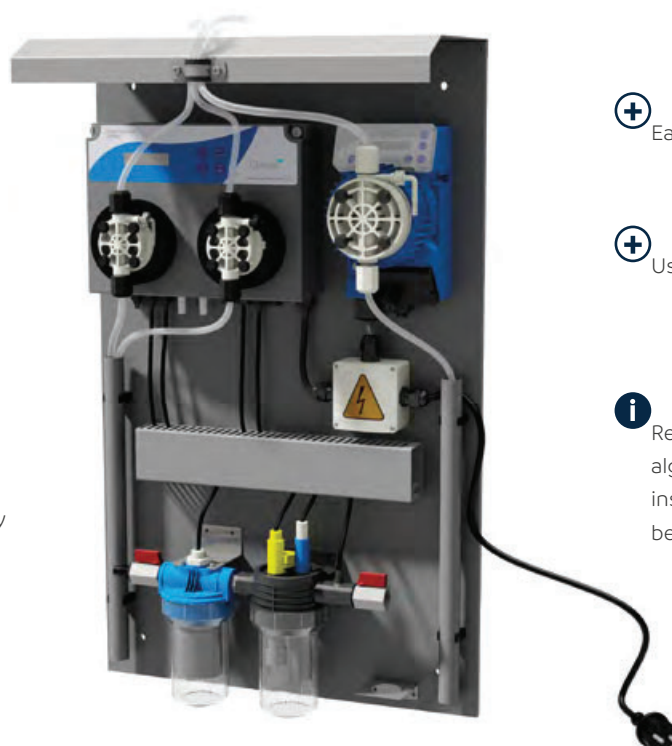
Optically, technically and hygienically impeccable water – algae- and germ-free, with ideal pH value



Special accessory program for automated water quality assurance



Permanently high water quality protects the components of the rest of the fountain technology



Easy to use



User-friendly display and console



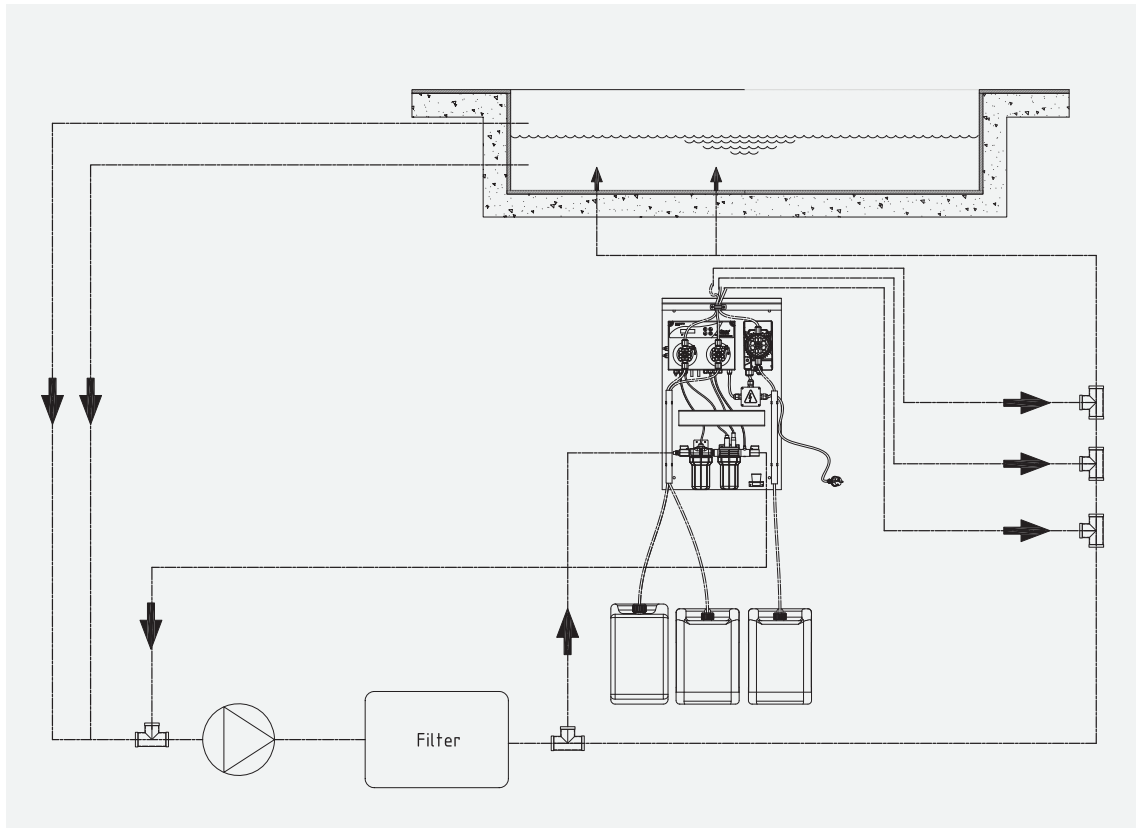
Refer to safety rules when using algaecides. Always read the instructions and specifications before using algaecides

ACCESSORIES

Product		Item no.
pH sensor		51034
Redox sensor		51035
OxyPool 20 l	 > Double effect with hydrogen peroxide 7.9% and silver ions > Eradicates algae, bacteria and fungal formation without the use of chlorine > Ideal for ornamental ponds, swimming ponds, natural pools, larger fountains and water features	88252
AquaActiv AlGo Fountain Concentrate 5 l*	 > Rapid remedy to counteract algae, odours and slippery surfaces > Prevents limescale deposits > Highly compatible with surfaces and technology > Long-lasting effect	40234
Buffer solution calibration set		51036

OASE does not offer a pH-value reducer

* Observe safety rules when using algaecides. Always read the instructions and specifications before using algaecides.



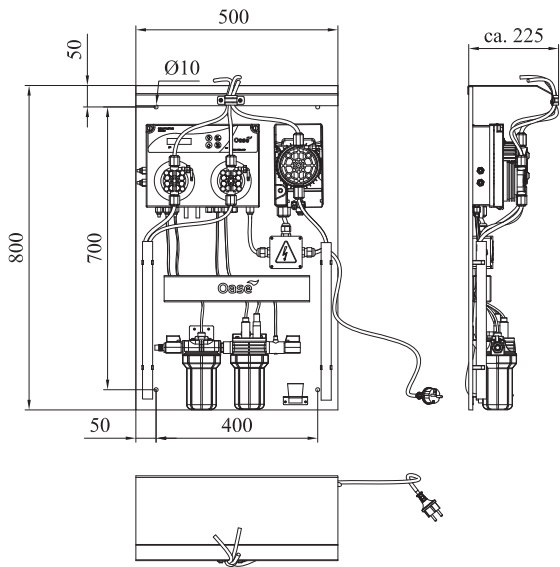
WATER QUALITY

Water treatment
Clear Fountain
System II

Suitable for
Fresh water and
pool water

Voltage
220–240 V

Frequency
50 Hz/60 Hz



TECHNICAL DATA

Product	Clear Fountain System II	
Dimensions (L × W × H)	[mm]	900 × 300 × 500
Rated voltage	[V]	100–240
Frequency	[Hz]	50/60
Power consumption	[W]	56
Weight	[kg]	16.10
Included in delivery	> pH sensor > Redox sensor > Buffer solution calibration set	
Item no.	57854	

Big things are created out of attention to detail.

The finishing touches for your installation: The small, inconspicuous accessories, installation components and useful fittings without which your fountain could not function. This is why we place the same overriding importance on long-lasting quality and optimum fit with this equipment as we do with all our products.

Installation equipment

NOZZLE CONSOLES



VarioJet Base

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QuickFix MDD L

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FOUNTAIN INSTALLATION CONTAINERS



NozzleChamber

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SplashCan

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SplashClamp

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Covers

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FITTINGS



Floor drain plug

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Floor drain debris strainer

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Floor drain liner clamping flange

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Floor drain concrete part

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Overflow/drain armatures

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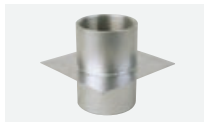
Return armature

> Page 362



Inflow nozzle

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Floor/wall transition

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Overflow/return flow box

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Overflow wall-mounted combination armature

> Page 364



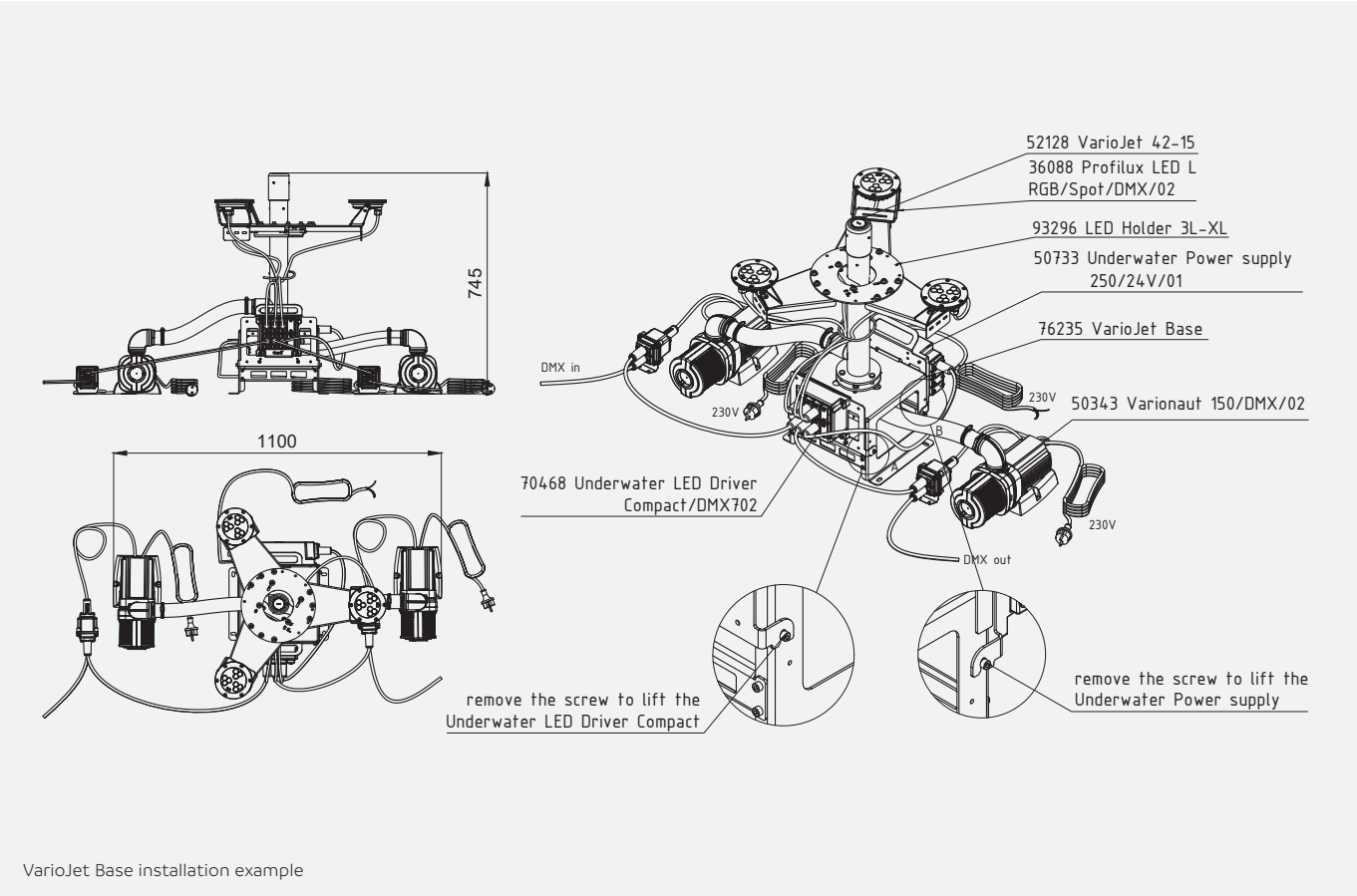
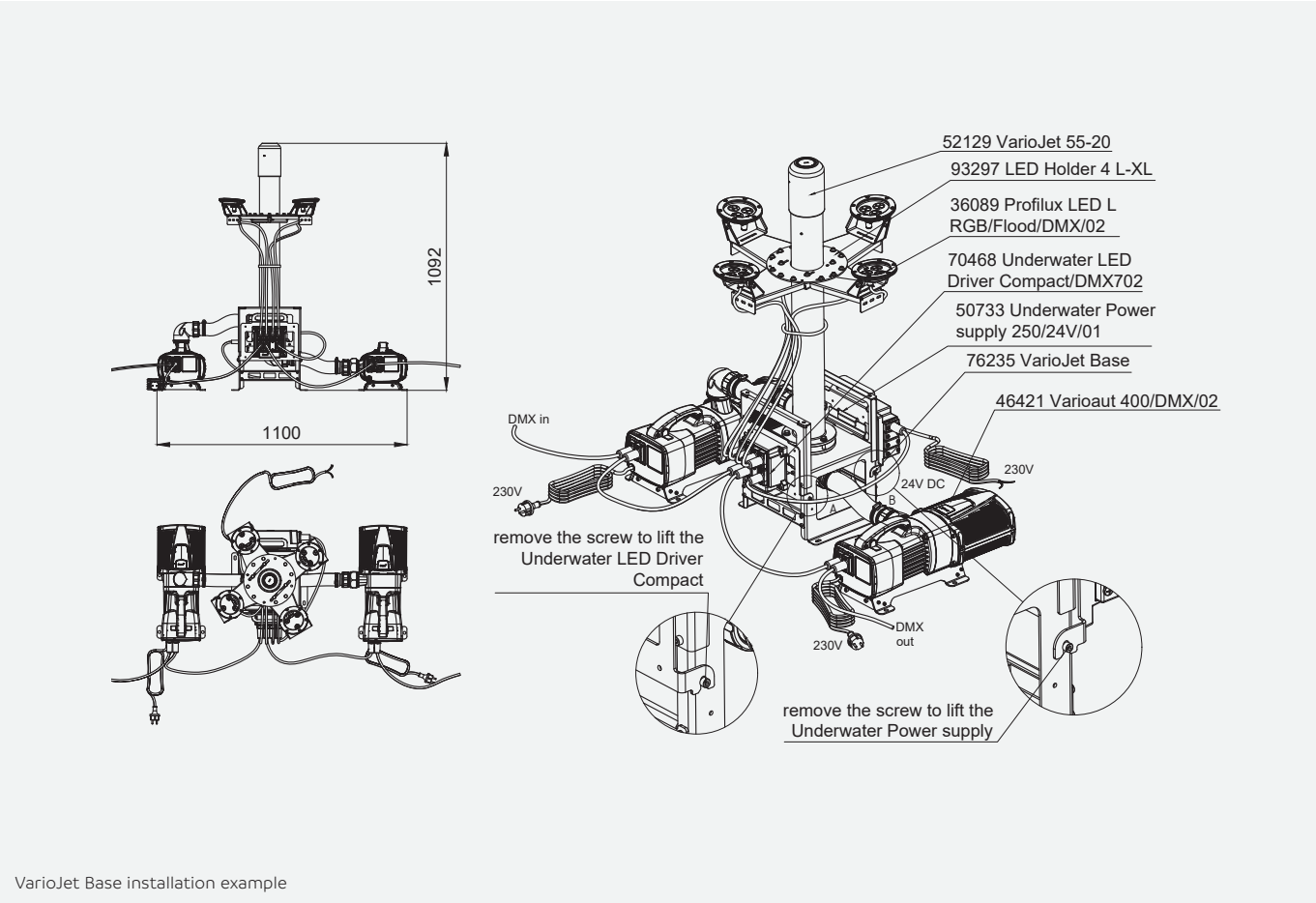
Suction filter baskets

> Page 365

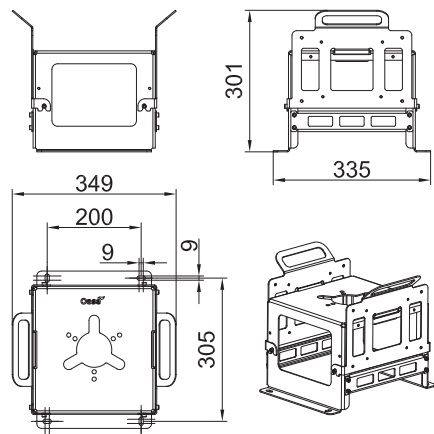
FITTINGS

> From page 366

Nozzle consoles

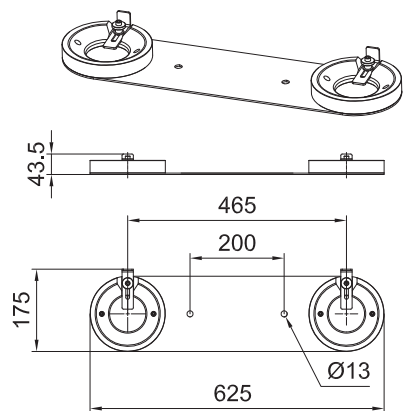


VARIOJET BASE



Product		VarioJet Base
Dimensions (L x W x H)	[mm]	349 x 305 x 301
Material		Stainless steel 1.4301 (AISI 304)
Weight	[kg]	7.30
Suitable for		Fresh water, pool water and saltwater
Included in delivery		Mounting base incl. > 1 m hose 1 ½" > 2 x male elbow connector G 1 ½" I > 2 x double nipple G 1 ½" A > 1 m hose 2" > 1 x male elbow connector G 2 I/A > 1 x double nipple G 2 A.
Product properties		> Optimally matched mounting base, especially for VarioJet nozzles > Manufactured from high-quality, durable 1.4301 stainless steel (AISI 304) > Ensures easy installation of the Varionaut pumps > Suitable for VarioJet 42 - 15 and VarioJet 55 - 20
Item no.		76235

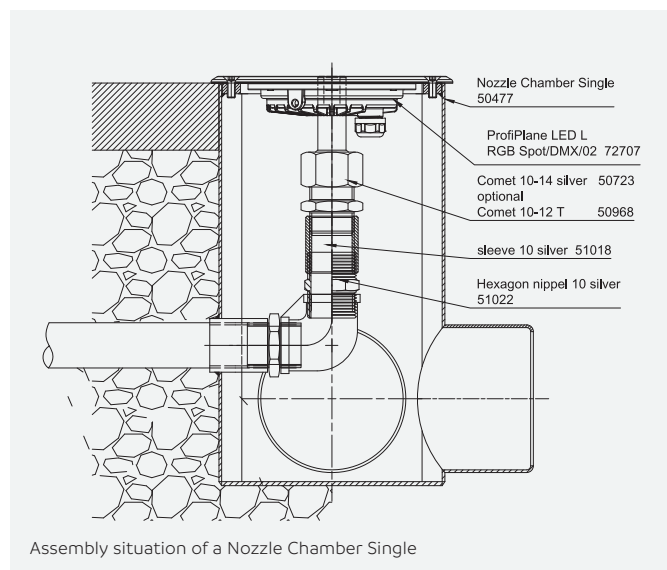
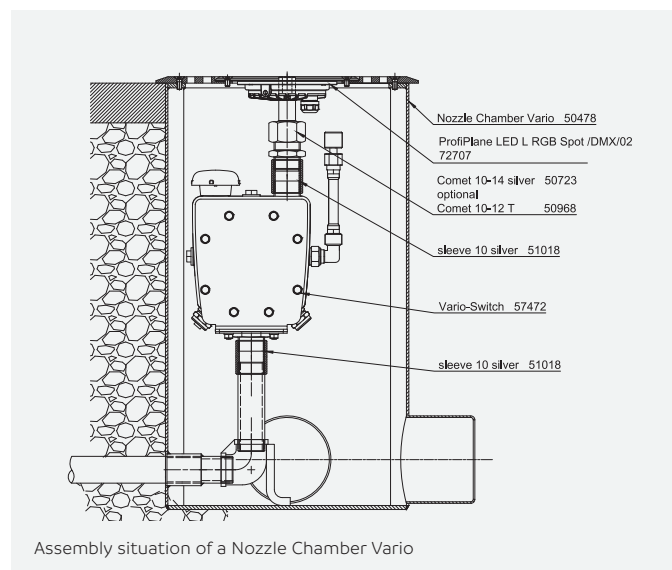
QUICKFIX MDD L



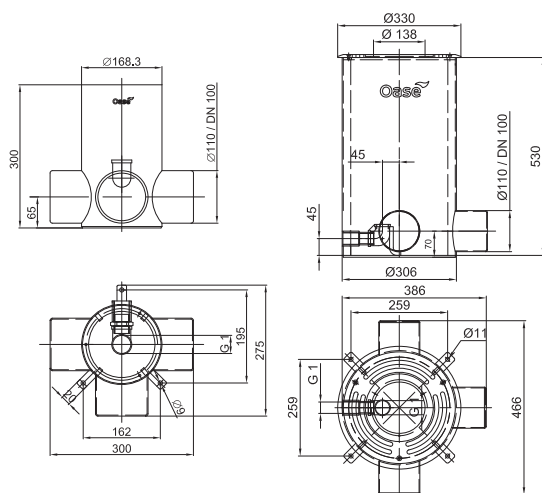
Product		QuickFix MDD L
Dimensions (L x W x H)	[mm]	175 x 625 x 43
Material		Stainless steel 1.4571 (AISI 316Ti)
Weight	[kg]	3.80
Suitable for		Fresh water, pool water and saltwater
Product properties		> Suitable for Multi Directional Drive L 2D/DMX/02 and Multi Directional Drive L 3D/DMX/02 > Optimally matched quick-assembly device > Manufactured from high-quality, durable 1.4571 stainless steel (AISI 316Ti) > The previous installation and alignment of the QuickFix MDD L allows quick, easy installation and maintenance of the MDDs
Item no.		70430



Fountain installation chamber



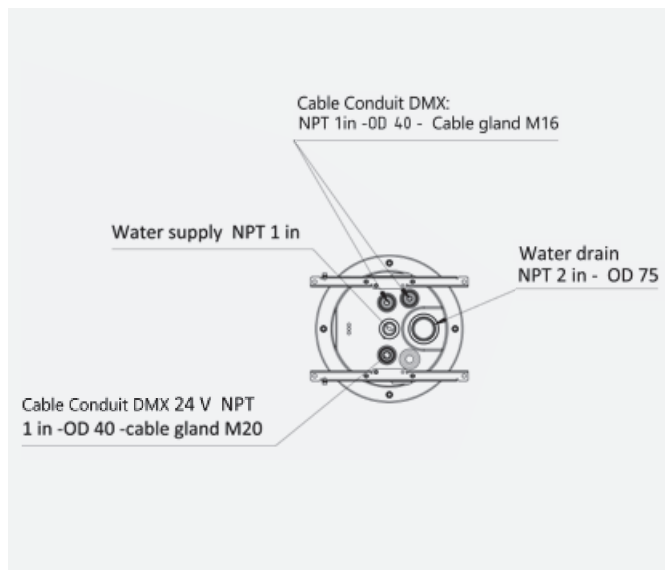
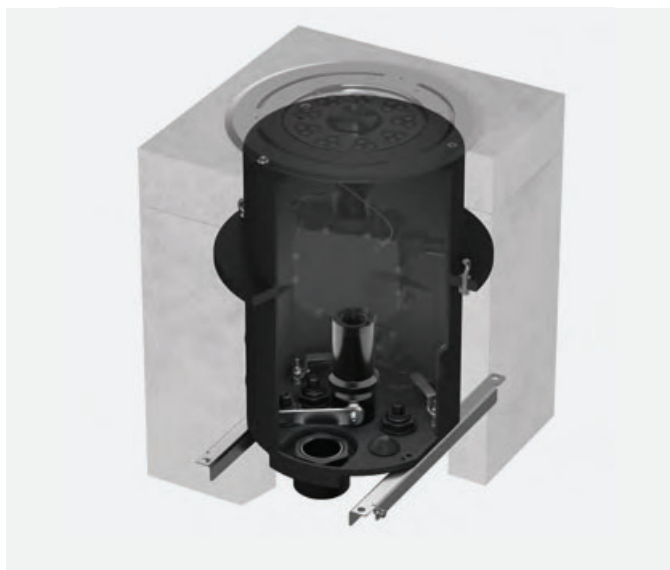
NOZZLECHAMBER



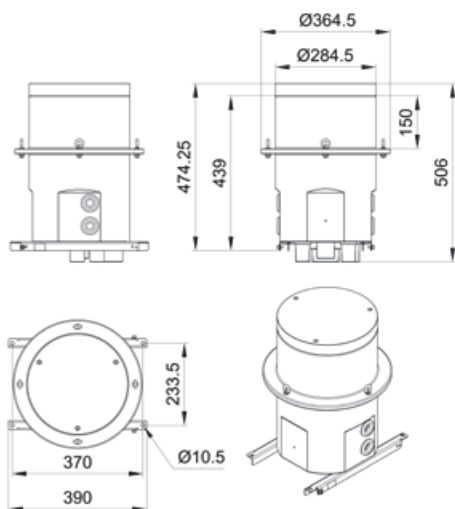
			
Product		NozzleChamber Single	NozzleChamber Vario
Dimensions (L x W x H)	[mm]	300 x 275 x 300	466 x 386 x 530
Pressure-side connection	[mm]	25	25
Pressure-side connection		G 1	G 1
Connection		3 x dia. 110 mm/3 x DN 110	3 x dia. 110 mm/3 x DN 110
Material		Stainless steel 1.4571 (AISI 316Ti)	Stainless steel 1.4571 (AISI 316Ti)
Weight	[kg]	5.50	23.00
Suitable for		Fresh water, pool water and saltwater	
Product properties		> Perfect for open spaces and multi-function surfaces > Suitable for ProfiPlane LED-L spotlights and Comet nozzle as well as a VarioSwitch, depending on the model > High-quality, robust stainless steel design > Simple and safe installation > Incl. three DA-110/DN-100 connections and two end caps > Pressure connection G 1 incl. 90° angle > Floor-mounted containers for the installation of LED spotlights and/or nozzles	
Item no.		50477	50478

ACCESSORIES

Product		Item no.
ProfiPlane LED L RGB Spot/DMX/02		> Page 244 72707
Comet 10 - 12 silver		> Page 52 45454
Comet 10 - 14 silver		50723
VarioSwitch 010a/24 V/01		> Page 154 57472
Winter covers on request		



SPLASHCAN

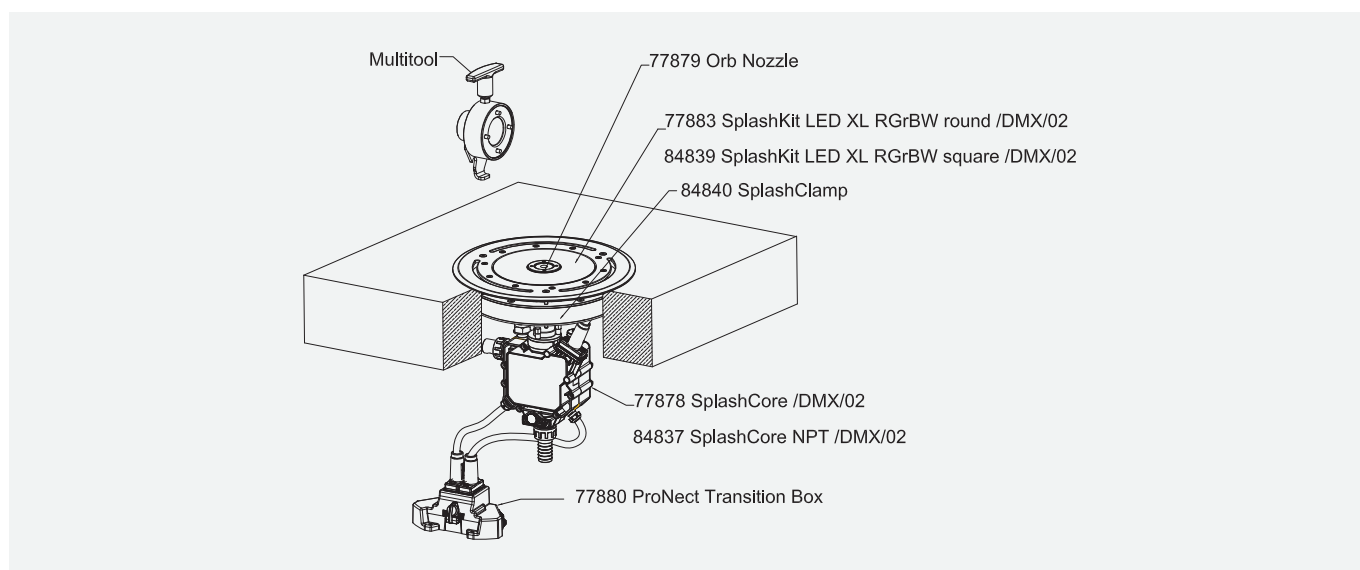


Product		SplashCan	SplashCan NPT [US]
Dimensions (dia. x H)	[mm]	364.4 × 506	364.4 × 506
Pressure-side connection		G 1	G 1
Connection		2, DN 75	2, DN 75
Connection	[mm]	75	75
Material		Plastic/stainless steel	
Weight	[kg]	6.97	5.00
Suitable for		Fresh water and pool water	
Product properties		> Manufactured from extremely robust plastic > Optimised for easy and highly precise installation > Pre-assembled adapters for power, DMX and water inflow/outflow, also with NPT thread, depending on the model > Connection cables as required from below or from the side > Incl. installation cover for accurate height determination during installation and as protection against dirt ingress during installation > Earth conductor included in scope of delivery > Screw lugs for struts enable stable connections and precise positioning of the containers among each other > Fountain installation container for splash deck fountains for integrated installation	
Item no.		77881	84883

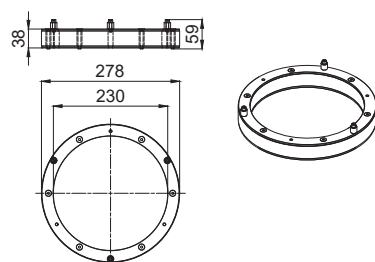
ACCESSORIES

Product			Item no.
SplashCan socket wrench		Dimensions (dia. x H)	[mm] 80 × 39 90243
		Material	Plastic
		Weight	[kg] 0.20



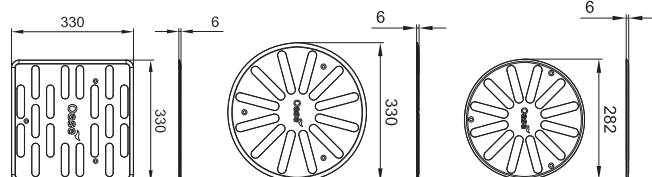


SPLASHCLAMP



Product	SplashClamp	
Dimensions (dia. × H)	[mm]	278 × 40
Suitable for diameters	[mm]	278–281
Suitable for diameters	[inch]	10.9–11.1
Material	Stainless steel 1.4301 (AISI 304), rubber	
Weight	[kg]	4.20
Suitable for	Fresh water, pool water and saltwater	
	> For secure attachment of the SplashKit effect unit > Compensates for height differences of up to 1.5 mm > Suitable for the hanging SplashKit	
Item no.	84840	

COVERS



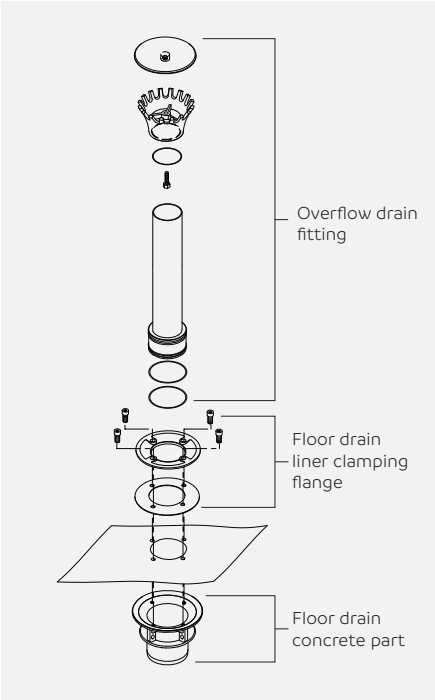
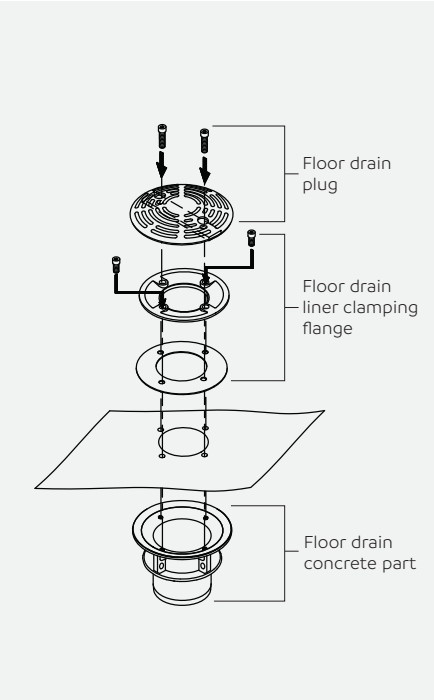
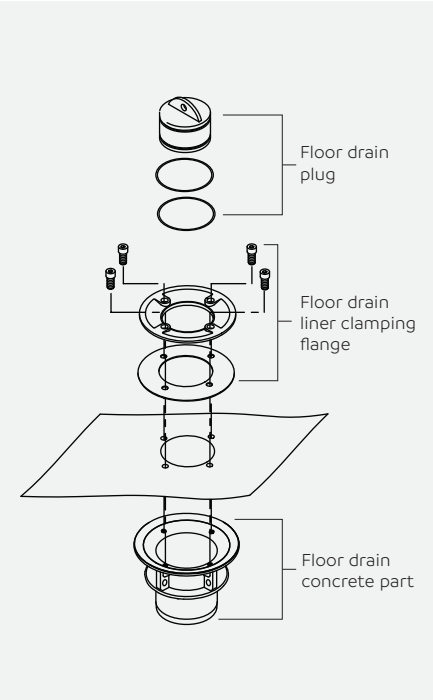
SplashKit Cover square

SplashKit Cover round

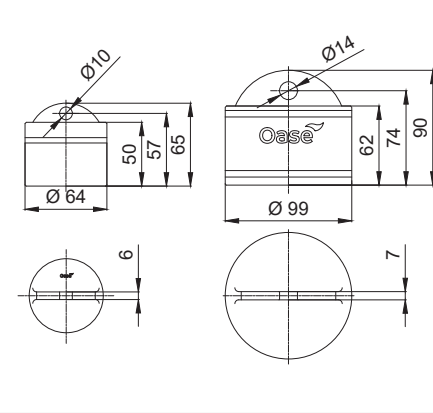
SplashKit Cover recessed

Product	SplashKit Cover square	SplashKit Cover round	SplashKit Cover recessed
Dimensions (L × W × H / dia. × H)	[mm] 330 × 330 × 6	330 × 6	282 × 6
Material	Stainless steel 1.4404 (AISI 316L)		
Weight	[kg] 4.20	3.30	2.40
	> For events or for winter preparation (it is recommended to remove the complete unit – which is quick and easy thanks to the patented plugin system) > The SplashKit Cover recessed model can be easily screwed onto all SplashKit LED spotlights even for short-term events > Robust, durable V4A stainless steel > Non-slip protective cover for OASE SplashKit LED XL RGrBW round, square and recessed > Highly resilient and resistant to road salt		
Item no.	85655	85654	85948

Fittings

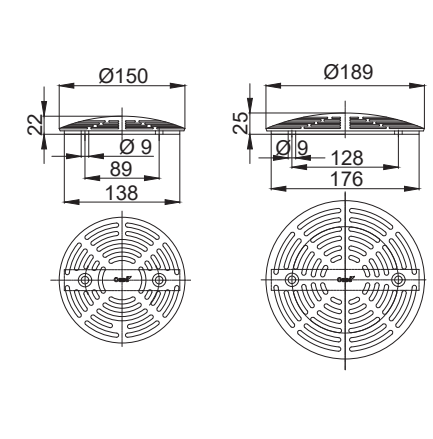


FLOOR DRAIN PLUG



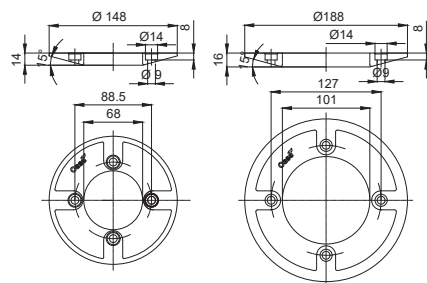
		
Product	Plug 70 T	Plug 100 T
Dimensions (dia. x H)	[mm] 64 x 65	99 x 90
Material	Bronze	Bronze
Weight	[kg] 0.60	0.90
Suitable for	Fresh water	
Product properties	> Clean finish made of high-quality bronze > Part of the floor drain fittings range for concrete and lined basins > Available for concrete part 70 T or 100 T > Simply insert it into the fitting or remove to empty	
Item no.	57468	57462

FLOOR DRAIN DEBRIS SIEVES



		
Product	Debris sieve 70 E	Debris sieve 100 E
Dimensions (dia. x H)	[mm] 150 x 22	190 x 25
Material	Stainless steel 1.4301 (AISI 304)	Stainless steel 1.4301 (AISI 304)
Weight	[kg] 0.60	0.70
Suitable for	Fresh water	
Product properties	> Prevents the ingress of larger dirt particles > Part of the floor drain fittings range for concrete and lined pools > Available for concrete part 70 T or 100 T > An underground valve is required for emptying > Manufactured from durable stainless steel	
Item no.	51973	51974

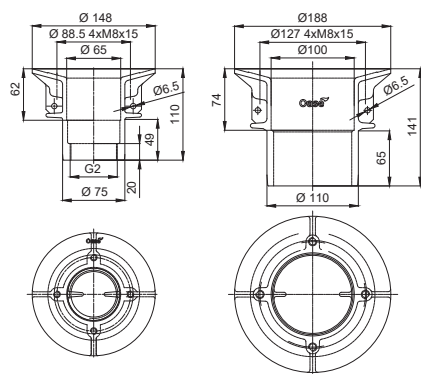
FLOOR DRAIN LINER CLAMPING FLANGE



Product	Liner clamping flange 70 T	Liner clamping flange 100 T
Dimensions (dia. × H)	148 × 14	188 × 16
Material	Bronze	Bronze
Weight [kg]	1.10	1.40
Suitable for	Fresh water	
Product properties	> For flanging sealing liners > With seal and screws > Suitable for pool liners with or without fabric reinforcement, max. thickness: 2.5 mm (not suitable for sealing strips according to DIN 18195) > Part of the floor drain fittings range for concrete and lined pools > Simple and safe installation independent of other trades > Available for concrete part 70 T or 100 T	
Item no.	51108	51117



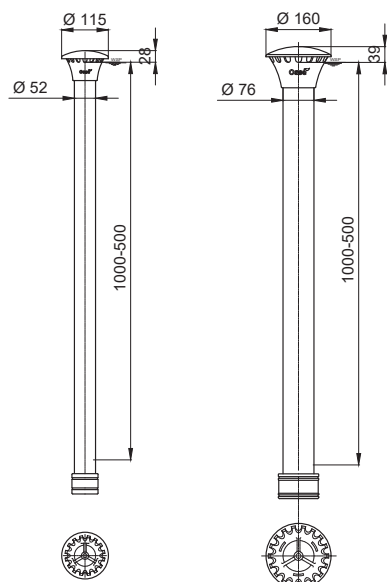
FLOOR DRAIN CONCRETE PART



Product	Concrete part 70 T	Concrete part 100 T
Dimensions (dia. × H)	148 × 110	188 × 141
Connection	DN 70/G 2	DN 100
Material	Bronze	Bronze
Weight [kg]	2.10	3.20
Suitable for	Fresh water	
Product properties	> Available for DN-70 and DN-100 pipes > Simple and safe installation > Convenient installation Simply insert floor parts with sealing flanges into the drain pipe sleeves and concrete them in > Base for floor drains with plugs and/or strainers, overflow fittings or, depending on the model, also Cable transitions for concrete and lined pools	
Item no.	57471	57467

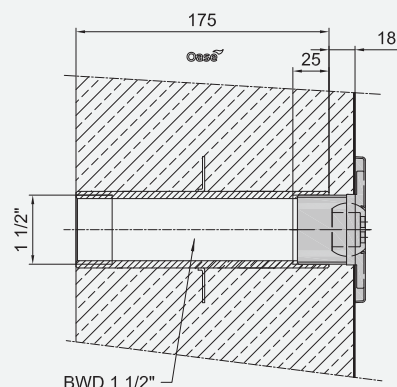
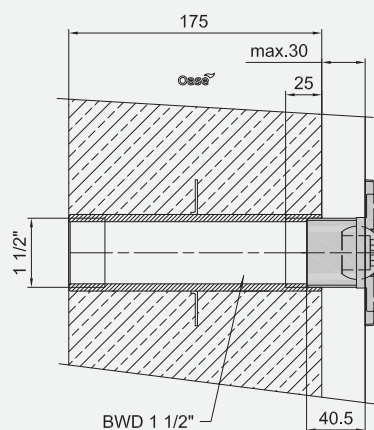


OVERFLOW/RAIN ARMATURES



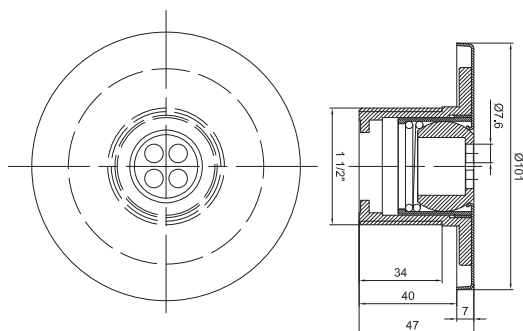
Product	Overflow/drain armature 70/1000 T	Overflow/drain armature 100/1000 T
Dimensions (dia. × H)	115 × 1054	160 × 1108
Material	Bronze/stainless steel	Bronze/stainless steel
Weight [kg]	3.20	7.20
Suitable for	Fresh water	
Product properties	> Standard length: 1000 mm, easily shortened for lower water levels > Suitable for water levels from 0 mm to 1000 mm > Available for concrete part 70 T or 100 T > Robust and durable materials: Stainless steel standpipe, castings made of corrosion-resistant bronze > Easy installation > Optionally available for coarser dirt: Dirt/winter sieves > Suitable liner clamping flanges or concrete parts available > Overflow pipe with spillway crown as a combined solution for overflow and drainage	
Item no.	57469	57463





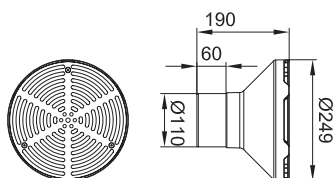
Cross-section of an inflow nozzle with wall duct.

INFLOW NOZZLE

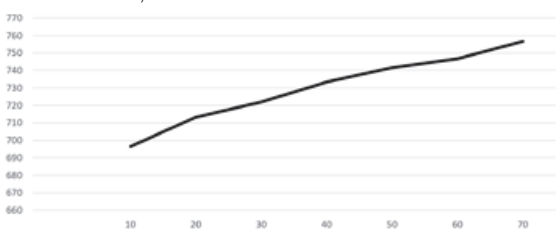


Product		Inflow nozzle 15 E
Dimensions (dia. × H)	[mm]	101 × 31
Connection		G 1 ½
Material		Stainless steel/bronze
Weight	[kg]	0.30
Suitable for		Fresh water and pool water
Product properties		> Robust and durable > Supply of filtered water from the quartz sand filtration system > Simply change the inlet direction by adjusting the nozzle > Pressure-side connection G 1 ½ > Manufactured from high-quality stainless steel and bronze
Item no.		53086

RETURN ARMATURE



Volume flow in l/min

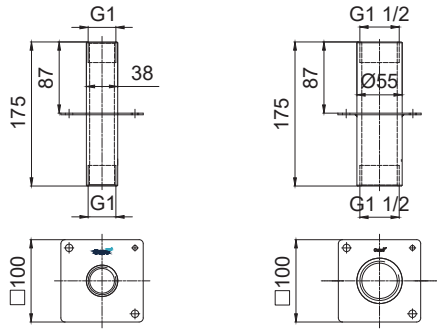


Water storage level in mm



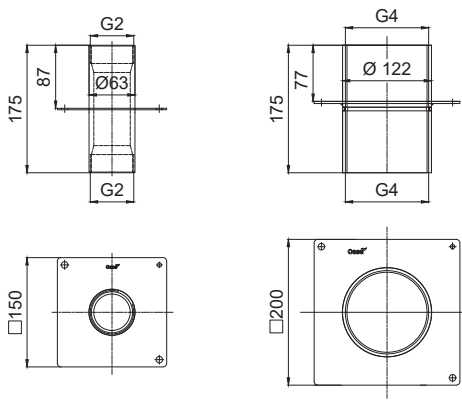
Product		Return armature 200/100
Dimensions (dia. × H)	[mm]	249 × 190
Connection		DN 100
Material		Brass/stainless steel 1.4301 (AISI 304)
Weight	[kg]	8.50
Suitable for		Fresh water
Product properties		> Casting made of high-quality brass alloy > Robust and durable > Versatile > Large and effective stainless steel dirt strainer > Extremely corrosion-resistant > Easy installation
Item no.		91625

FLOOR/WALL TRANSITION



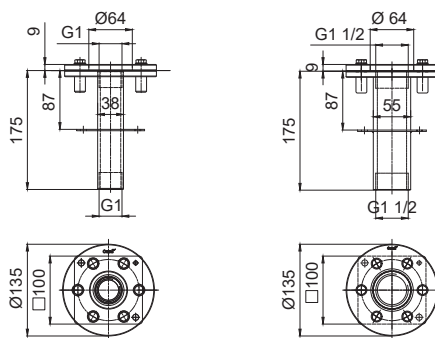
Product	Floor/wall transition 10-175 E	Floor/wall transition 15-175 E
Dimensions (L x W x H)	[mm] 100 x 100 x 175	100 x 100 x 175
Connection	G 1	G 1 ½
Material	Stainless steel 1.4571 (AISI 316Ti)	
Weight	[kg] 0.60	1.10
Suitable for	Fresh water and pool water	
Item no.	51141	51142

FLOOR/WALL TRANSITION



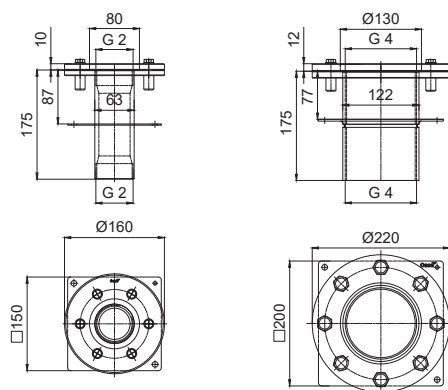
Product	Floor/wall transition 20-175 E	Floor/wall transition 40-175 E
Dimensions (L x W x H)	[mm] 150 x 150 x 175	200 x 200 x 175
Connection	G 2	G 4
Material	Stainless steel 1.4571 (AISI 316Ti)	
Weight	[kg] 2.00	3.60
Suitable for	Fresh water and pool water	
Item no.	51143	52790

FLOOR/WALL TRANSITION



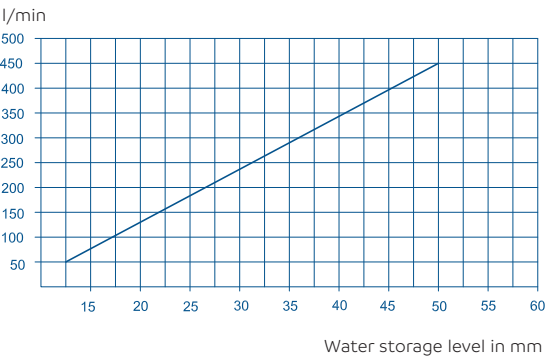
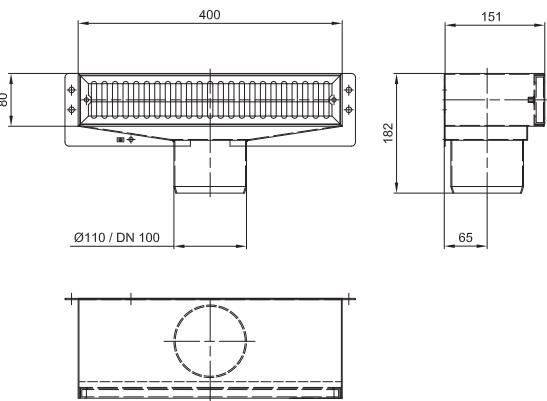
Product	Floor/wall transition F 10-175 E	Floor/wall transition F 15-175 E
Dimensions (L x W x H)	[mm] 100 x 100 x 191	100 x 100 x 191
Connection	G 1	G 1 ½
Material	Stainless steel 1.4571 (AISI 316Ti)	
Weight	[kg] 3.00	3.40
Suitable for	Fresh water and pool water	
Item no.	51145	51146

FLOOR/WALL TRANSITION



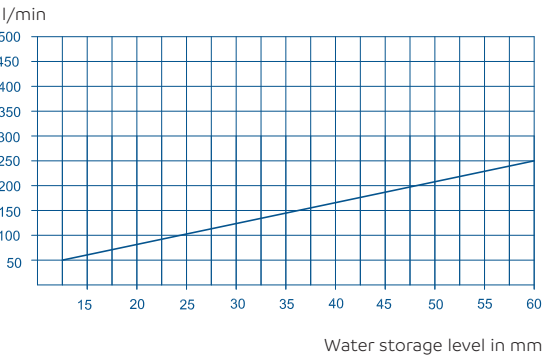
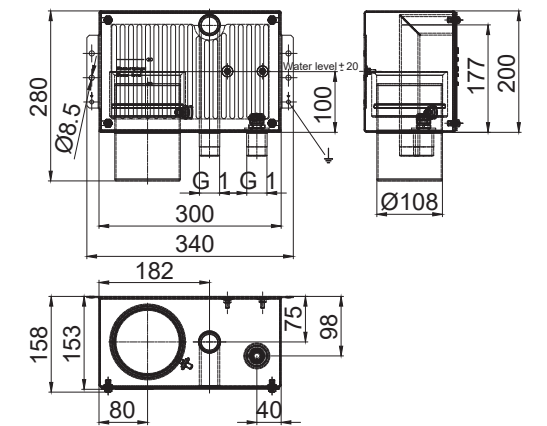
Product	Floor/wall transition F 20-175 E	Floor/wall transition F 40-175 E
Dimensions (L x W x H)	[mm] 150 x 150 x 191	200 x 200 x 191
Connection	G 2	G 4
Material	Stainless steel 1.4571 (AISI 316Ti)	
Weight	[kg] 4.70	8.30
Suitable for	Fresh water and pool water	
Item no.	51147	53013

OVERFLOW/RETURN FLOW BOX



Product	Overflow/return flow box 100 E	
Dimensions (L × W × H)	[mm]	450 × 150 × 180
For lined pools		No
Connection		DN 100
Material		Stainless steel 1.4301/1.4571 (AISI 304/316Ti)
Weight	[kg]	6.00
Suitable for		Fresh water, pool water and saltwater
Product properties		> Overflow/return flow boxes for installation in vertical pool walls > Number of valves to be installed depends on the amount of water to be returned – for safety reasons, at least two are recommended > When calculating the nominal width of the return flow line, use a maximum return flow speed of 0.6 m/second > Manufactured from stainless steel > Connection fittings fit into all sleeves of the drain pipes
Item no.		52602

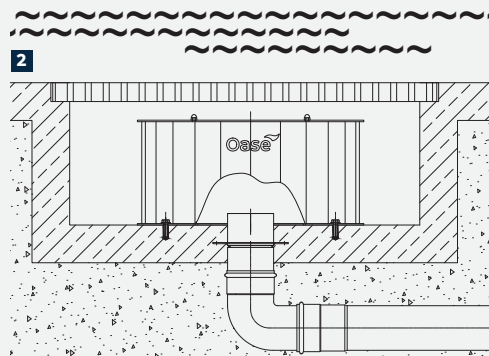
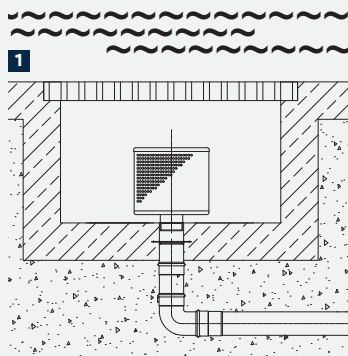
OVERFLOW WALL-MOUNTED COMBINATION ARMATURE



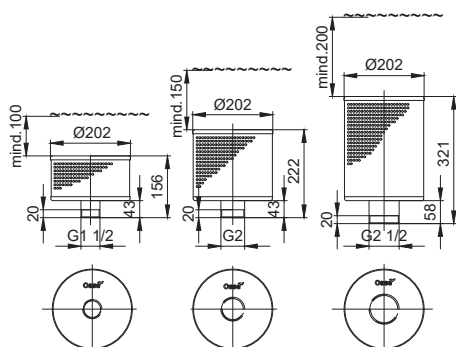
Product	Overflow wall-mounted combination armature 100 E	
Dimensions (L × W × H)	[mm]	340 × 271 × 153
For lined pools		No
Connection		DN 100/G 1
Material		Stainless steel 1.4571 (AISI 316Ti)
Weight	[kg]	6.10
Suitable for		Fresh water, pool water and saltwater
Product properties		> For mounting in the side pool wall under the basin edge cover > Water level sensor sold separately > High-quality, robust stainless steel design, extremely corrosion-resistant > Subsequent change of the water level is possible by moving the overflow funnel by ± 20 mm > Easy installation: Overflow nozzle fits into the sleeve of the sewer pipe, simple threaded unions for water supply pipe and cable protection pipe
Item no.		51120

Suction filter basket connection to a suction line:

1. Suction line with threaded connection for the smaller baskets
2. Suction line with protruding nozzle for covering with the larger suction filter baskets

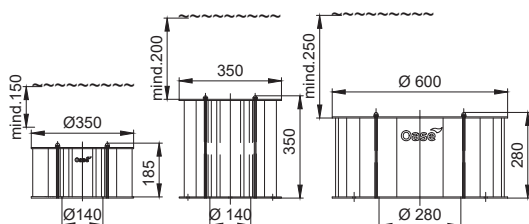


SUCTION FILTER BASKETS



Product			
Suction filter basket	200/100/15 E	200/166/20 E	200/250/25 E
Dimensions (dia. x H)	203 x 160	203 x 226	203 x 320
Connection	G 1 ½	G 2	G 2 ½
Filter area [m²]	0.08	0.12	0.18
Mesh size (dia.) [mm]	4.0	4.0	4.0
Material	Stainless steel		
Weight [kg]	1.10	1.50	1.80
Suitable for	Fresh water		
Product properties	> Effectively prevent the ingress of coarse dirt into the pump/ nozzle water circuit at the inlets of the suction lines > Easy installation: Screws onto the pool floor duct > Solid and robust stainless steel construction, highly corrosion-resistant		
Item no.	51082	51083	51084

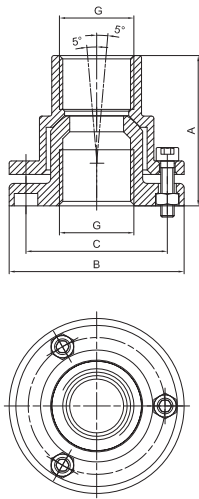
SUCTION FILTER BASKETS



Product			
Suction filter basket	350/185/80/100 E	Suction filter basket 350/350/125 E	Suction filter basket 600/280/150/200 E
Dimensions (dia. x H)	350 x 185	350 x 350	600 x 280
Connection	DN 80/100	DN 125	DN 150/200
Filter area [m²]	0.44	0.88	1.50
Mesh size (dia.) [mm]	4.0	4.0	4.0
Material	Stainless steel		
Weight [kg]	9.50	11.50	43.10
Suitable for	Fresh water		
Product properties	> Effectively prevent the ingress of coarse dirt into the pump/ nozzle water circuit at the inlets of the suction lines > Large-sized filter surfaces for long cleaning intervals – for the medium and large versions, this is achieved by folding the perforated plates in a star shape multiple times > Easy installation: Place and dowel it onto the suction line pipe protruding approximately 50 mm from the bottom of the basin > Solid and robust stainless steel construction, highly corrosion-resistant		
Item no.	51753	54755	51756

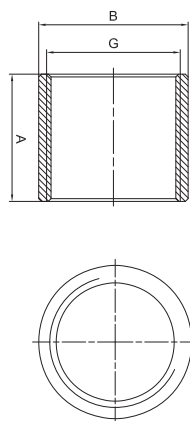
Fittings

SWIVEL CONNECTIONS



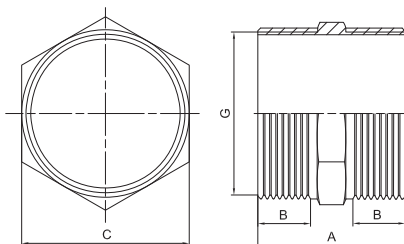
			
Product	Swivel connection 10 silver	Swivel connection 15 silver	Swivel connection 20 silver
G	G 1	G 1 ½	G 2
A [mm]	70	75	88
B [mm]	78	101	127
C [mm]	63	80	104
Weight [kg]	0.55	1.12	2.05
Suitable for	Fresh water, pool water and saltwater		
Product properties	> Easy, safe and precise nozzle alignment > Chromed and nickel-plated brass > High-quality silver optics > Extremely corrosion-resistant > Easy installation > Suitable for use in fresh water and pool water > Available in sizes G 1, G 1 ½ and G 2		
Item no.	51015	51016	51017

SLEEVES



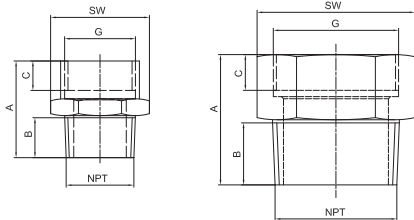
				
Product	Sleeve 10 silver	Sleeve 15 silver	Sleeve 20 silver	Sleeve 30 silver
A [mm]	4.3	47.2	51.7	66.7
B [mm]	38.0	53.5	66.0	95.0
G	G 1	G 1 ½	G 2	G 3
Material	Stainless steel			
Weight [kg]	0.09	0.16	0.25	0.63
Suitable for	Fresh water, pool water and saltwater			
Product properties	> High-quality sleeves in variants G 1, G 1 ½, G 2 and G 3 > Through thread > Manufactured from high-quality stainless steel > Extremely corrosion-resistant > Easy installation			
Item no.	51018	51019	51020	51021

HEXAGONAL DOUBLE NIPPLE



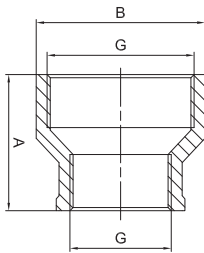
				
Product	Hexagonal double nipple 10 silver	Hexagonal double nipple 15 silver	Hexagonal double nipple 20 silver	Hexagonal double nipple 30 silver
G	G 1	G 1 ½	G 2	G 3
A [mm]	49	51.5	54.5	68
B [mm]	20.4	20.7	22	27.5
C [mm]	35	50	62	91
Material	Stainless steel			
Weight [kg]	0.07	0.20	0.40	0.51
Suitable for	Fresh water, pool water and saltwater			
Product properties	> High-quality double nipples in variants G 1, G 1 ½, G 2 and G 3 > Manufactured from high-quality stainless steel > Extremely corrosion-resistant > Easy installation > Through thread			
Item no.	51022	51023	51024	51025

ADAPTER G/NPT



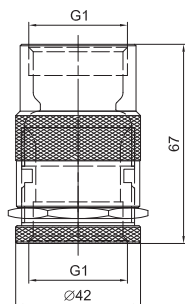
					
Product		Adapter G 10/NPT 10 silver	Adapter G 15/NPT 15 silver	Adapter G 20/NPT 20 silver	Adapter G 30/NPT 30 silver
A	[mm]	46	43	62	78
B	[mm]	21	21	29	37
C	[mm]	16	14	17	20
SW	[mm]	36	50	65	95
G		G 1	G 1 ½	G 2	G 3
Weight	[kg]	0.15	0.24	0.49	0.68
Suitable for		Fresh water and pool water			
Product properties		> Adapter for connecting G and NPT threads > Available for connections of G 1/NPT 1, G 1.5/NPT 1.5, G 2/NPT 2 and G 3/NPT 3 > Easy to install > Suitable for use in fresh water and pool water			
Item no.		51026	51027	51028	51029

REDUCING SLEEVES



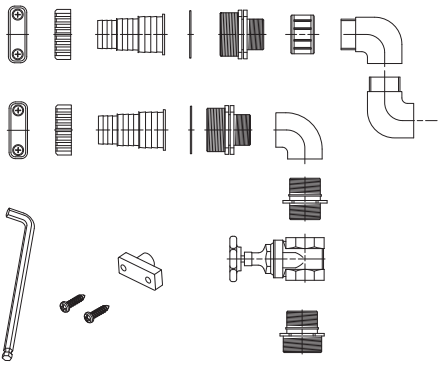
			
Product		Reducing sleeve 15 x 10	Reducing sleeve 20 x 15
A	[mm]	50	59
B	[mm]	57	70
G		G 1 ½ x G 1	G 2 x G 1 ½
Weight	[kg]	0.17	0.22
Suitable for		Fresh water, pool water and saltwater	
Product properties		> Manufactured from high-quality stainless steel > Extremely corrosion-resistant > Easy installation > Through thread > Available in variants G 1 ½ x G 1 and G 2 x G 1 ½ > Suitable for use in fresh water, pool water and saltwater	
Item no.		51032	51030

FLOW VALVE



		
Product		Flow Valve 10
Dimensions (dia. x H)	[mm]	42 x 67
Material		Stainless steel
Weight	[kg]	0.28
Suitable for		Fresh water
Product properties		> Flow Valve made of high-quality stainless steel > Suitable for mounting under the nozzle, causes only minor turbulence > Extremely corrosion-resistant > Easy installation > Through thread > Suitable for use in fresh water
Item no.		51033

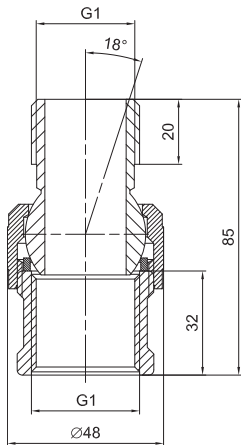
INSTALLATION KIT JUMPINGJET RAINBOW STAR



Included in delivery

2	Hose connector with flat seal 1 ½"
2	Connection nuts 1 ½" 40-20
2	Stepped hose connector 1 ½" black
1	Sleeve, plastic, 1"
1	90° elbow fitting G1 I-I plastic
1	Hexagon nipple G 1
2	Reducing sleeve G 1 ½ A × G 1 A
1	Brass shut-off valve G 1 290
2	Screws V2A DIN 7981, 4.8 × 25
1	Socket seal for Rainbow Star
1	5 mm hexagonal screwdriver
1	Flat seal 53 × 48 × 1, 5 mm NBR/SBR 70Sh
2	Elbow pieces 90° G1 I-A plastic
2	Hose clamps 20-32 mm
2	Hose clamps 35-50 mm 1.4301
1	Connecting nut 1 ½" 40 - 20
1	Sleeve, plastic, 1"
Weight [kg]	0.84
Suitable for	Fresh water
	> All-in package with 25 components
	> Professional accessories specifically designed for connecting the JumpingJet Rainbow Star system
	> All components are carefully coordinated
	> Fast, error-free and safe installation
Item no.	51058

BALL JOINT 10



Product	Ball joint 10
Dimensions (dia. × H)	[mm] 48 × 85
Material	Brass, nickel-plated
Weight	[kg] 0.37
Suitable for	Fresh water
Product properties	> Ball joint for simple and precise alignment of nozzles > Through thread > Easy installation > Extremely corrosion-resistant, made of durable chromed and nickel-plated brass > Reliable operation and long service life
Item no.	51165



Good to know

Notes:



Patented



Certificate



Certificate



ProNect Connection



SplashKit Component



Dynamic+



RGB



White



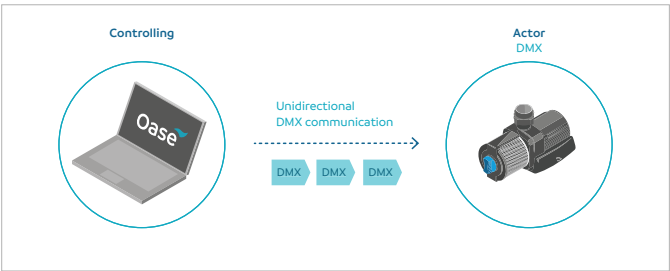
Fresh water



Pool water

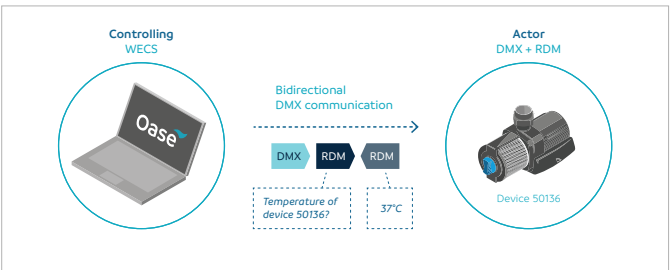


Saltwater



DMX

DMX is a communication protocol (digital multiplex). This product utilises unidirectional DMX communication.



DMX/RDM

The DMX bus is now bi-directional. This has been made possible due to the Remote Device Management (RDM) protocol extension. The connection technology remains unchanged.

Plug and Spray with ProNect connector

Thanks to the patented connector, manual wiring of the individual wires is not necessary. For the waterproof connection (IP68), the plug is inserted into the junction box and fixed with two screws.

Water quality

	Fresh water	Pool water	Saltwater
pH value	7.2–7.6	7.2–7.6	8.0
Hardness	8–15 °dH	8–15 °dH	20–30 °dH
Free chlorine	< 0.3 mg/l	0.3–0.6 mg/l	< 0.3 mg/l
Chloride content	< 250 mg/l	< 250 mg/l	22,000 mg/l
Salt content	–	–	< 4.0%
Filtered substances	< 50 mg/l	< 50 mg/l	< 50 mg/l
Temperature	4–35°C	4–30°C	4–20°C

Water quality (US)

	Fresh water	Pool water	Saltwater
pH value	7.2–7.6	7.2–7.6	8.0
Hardness	142–267 ppm CaCO ₃	142–267 ppm CaCO ₃	356–534 ppm CaCO ₃
Free chlorine	< 0.3 ppm	0.3–0.6 ppm	< 0.3 ppm
Chloride content	< 250 ppm	< 250 ppm	22,000 ppm
Salt content	–	–	< 4.0%
Filtered substances	< 50 ppm	< 50 ppm	< 50 ppm
Temperature	39–95°F	39–86°F	39–68°F

Abbreviations

A	Area
AF	Filter area
ASW	Beam angle
b, b1, b2, b3 [w, w1, w2, w3]	Width
d, d1, d2, d3	Diameter
Da	Diameter external
DAS	Nozzle outlet jet diameter
DD	Diameter pressure connection
NPR	Nozzle pressure requirement
DDG	Nozzle diameter (largest)
Di	Internal diameter
DID	Nozzle injector diameter
DN	Nominal diameter
DNa	Nominal diameter output
DNe	Nominal diameter input
DS	Suction connection diameter
DAW	Nozzle setting angle
NSD	Nozzle spray circle diameter
NWR	Nozzle water requirement
E	Illumination
FH	Fountain height
FL	Flange
G	Thread
GG	Cast iron
h, h1, h2, h3	Height
H	Pump delivery head
I	Current
I	Light intensity
I, I1, I2, I3	Length
KD	Chalice diameter
KH	Chalice height
LW	Light width

MA	Material
MPD	Minimum pool diameter
n	Speed
O	Surface
p	Pressure, differential pressure
P	Power
PH	Parabolic height
PH%	Parabolic height in percent
PN	Nominal pressure
PW	Parabolic width
Q	Flow rate, volumetric flow
r	Radius
R	Electrical resistance
RRW	Pipe friction resistance
SB	Slot width
SL	Slot length
SPW	Spray width
s	Thickness
t	Time, time span, duration
U	Voltage
v	Flow speed
w	Water level distance
x, x1, x2, x3	Distance in general
YD	Star-delta connection
z	General number
za	Number of outfeeds
zd	Number of nozzles
ze	Number of infeeds
zl	Number of holes
zp	Number of pumps
zs	Number of spotlights

Conversion tables

Litre

1.0	l (litre)	=	0.2642	US Gal (gallons)
1.0	US Gal (gallon)	=	3.7851	l (litres)
1.0	l (litre)	=	0.2200	UK Gal (gallons)
1.0	UK Gal (gallon)	=	4.5460	l (litres)

Litre per minute

1.0	l (litre)/min	=	15.8520	US Gph (gallons per hour)
1.0	US Gph (gallon per hour)	=	0.0631	l (litres)/min
1.0	l (litre)/min	=	13.2000	UK Gph (gallons per hour)
1.0	UK Gph (gallon per hour)	=	0.0758	l (litre)/min

Metre/kilometre

1.0	m (metre)	=	3.2810	ft (feet)
1.0	ft (foot)	=	0.3048	m (metres)
1.0	m (metre)	=	39.3700	in. (inches)
1.0	in. (inch)	=	0.0254	m (metres)
1.0	m (metre)	=	1.0936	yd (yards)
1.0	yd (yard)	=	0.9144	m (metre)
1.0	km (kilometre)	=	0.5310	nmi (nautical miles [int])
1.0	nmi (nautical mile [int])	=	1.8520	km (kilometres)

Square metre

1.0	m ² (square metre)	=	10.7527	sq.ft (square feet)
1.0	sq.ft (square foot)	=	0.0930	m ² (square metres)
1.0	ha (hectare = 10,000 m ²)	=	2.4691	acres
1.0	acre	=	0.4050	ha (hectare)

Kilogram

1.0	kg (kilogram)	=	2.2046	lbs. (pounds avdp)
1.0	lb. (pound avdp)	=	0.4536	kg (kilograms)

Kilowatt

1.0	kW (kilowatt)	=	1.3410	hp (horsepower)
1.0	hp (horsepower)	=	0.7457	kW (kilowatts)

Degree

0.0	°C (degrees Celsius)	=	32	°F (degrees Fahrenheit)
20.0	°C (degrees Celsius)	=	68	°F (degrees Fahrenheit)
0.0	°F (degrees Fahrenheit)	=	-17.8	°C (degrees Celsius)
50.0	°F (degrees Fahrenheit)	=	10.0	°C (degrees Celsius)

A Calculation of Fahrenheit: multiply Celsius by 1.8 and add 32

B Calculation of Celsius: subtract 32 from Fahrenheit and divide by 1.8

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