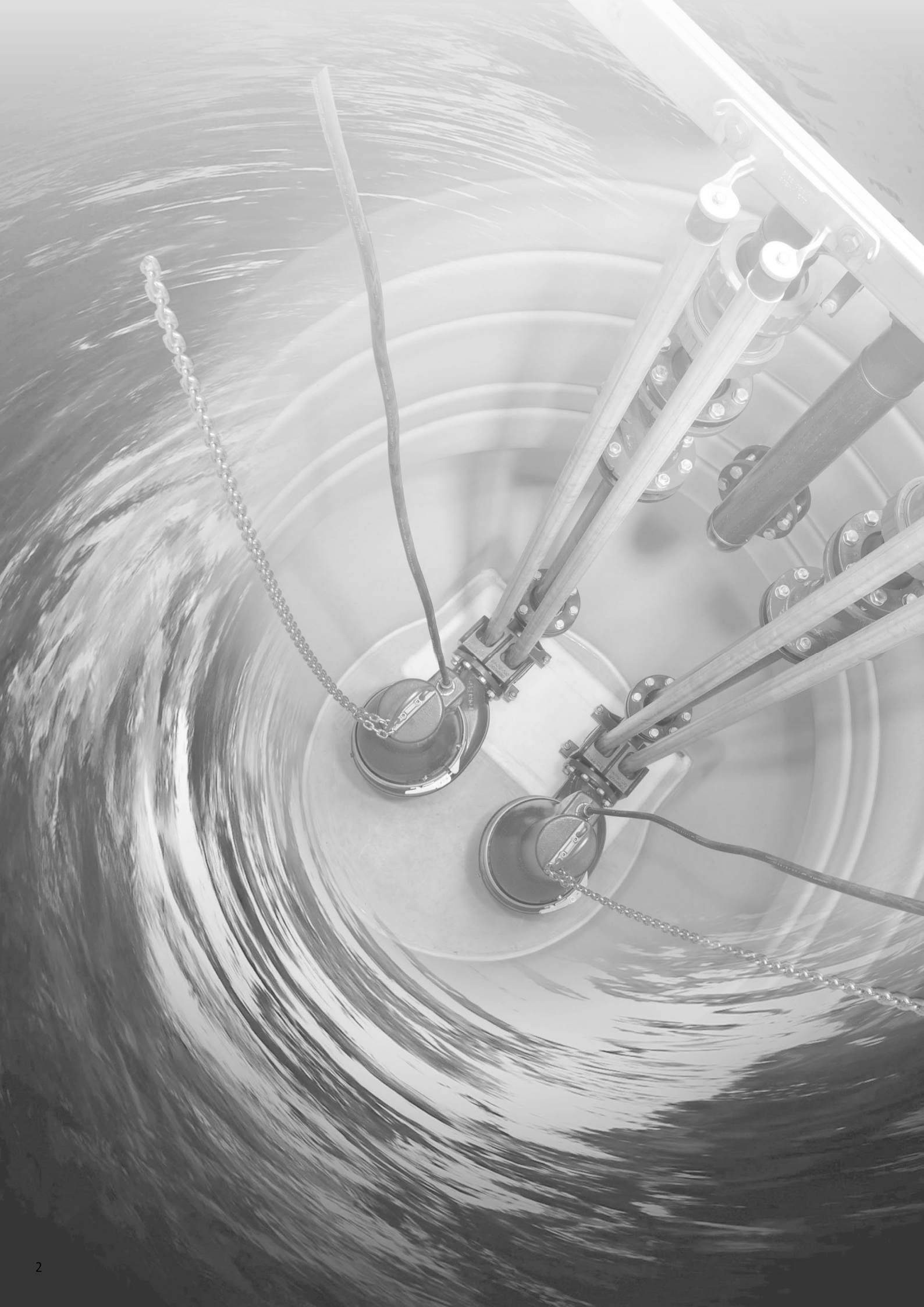


Accessory catalogue, DIN



GRUNDFOS 

Possibility in every drop



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Use Grundfos-approved accessories

This Accessory Catalogue guides you through the Grundfos-approved accessories available for wastewater installations. By using Grundfos-approved accessories, you always get the highest standards of build quality and functionality. Installation equipment developed by Grundfos is engineered with robustness, reliability and compatibility as the highest priority.

Furthermore, design and engineering manuals for wastewater installations and applications are available from grundfos.com

If you cannot find what you are looking for in this Accessory Catalogue, please contact your local Grundfos office for further support.

Auto coupling Installation

- Guide rails are not shipped from Grundfos central distribution center. Please contact your local Grundfos office for support.
 - Adaptor claws product numbers contain:
 - Adaptor claw
 - Gasket
 - Fastner set
 - Auto coupling sets contain:
 - Set < DN250:
 - Base unit
 - Guide claw
 - Upper guide rail holder
 - Gasket
 - Fastner set
 - Set = DN250 and above:
 - Base unit
 - Upper guide rail holder
 - Gasket
 - Fastner set
- Consider using intermediate guide rail holders to ensure the stability.
Upper guide rail holders are included in the Auto coupling set.
It is recommended to use Intermediate guide rail holders if:

Guide rail ≤ 2” dia. exceeds 4 meters(13 ft) in length.
Guide rail ≥ 3” dia. exceeds 6 meters(20 ft) in length.

Upper guide rail holders are included in the Auto coupling set.



For pumps with outlet flanges size DN250 and above, the guide claw is fitted to the pump from the factory.

Adaptor claws	SE/SL -> Xylem Flygt	SE/SL -> HOMA	S -> Xylem Flygt	S -> HOMA	SEG -> Xylem Flygt	SEG -> Sulzer ABS	SEG -> Jung	SEG -> APG
Pump / stand Adaption	Cast iron	Cast iron	Cast iron	Cast iron	Cast iron	Cast iron	Cast iron	Cast iron
DN 40					x*	x*	x*	x*
DN 65	x*							
DN 80	x*	x*	x*					
DN 80/100	x*		x*					
DN 100	x*	x*	x*					
DN 100/150	x*							
DN 125/100			x*					
DN 125/150			x*					
DN 150 2" guide rails	x*							
DN 150 3" guide rails	x*		x*	x*				
DN 200	x*		x*	x*				
DN 250	x*		x*					
DN 300	x*		x*					

* Please contact your local Grundfos sales office for support.

Grundfos installation Suction/Discharge	Grundfos Auto coupling set			Guide rail holders	
	Cast iron	Stainless steel (EN 1.4408)	Duplex stainless steel (EN 1.4517)	Guide rail size*	Intermediate holder Stainless steel (EN 1.4408)
NPT 2"	97727450			1" (33,7mm)	96825111
Rp 2"	97644486			1" (33,7mm)	96825111
DN 40/Rp 1½"	96076063			1" (33,7mm)	96825111
DN 50/Rp 2"	97695874			1" (33,7mm)	96825111
DN 65	96090992	96825104	97904192	1½" (48,3mm)	96825119
DN 65/80	96102238			1½" (48,3mm)	96825119
DN 80	96090993	96825106	97904193	1½" (48,3mm)	96825142
DN 80/100	96102240			1½" (48,3mm)	96825142
DN 100	96090994	96825108	97904194	2" (60,3mm)	96825161
DN 100/150	96102241			2" (60,3mm)	96825161
DN 125/150	96782145	96957425	97904197	3" (88,9mm)	96829331
DN 150 2"	96090995	96945381	97904195	2" (60,3mm)	96887674
DN 150 3"	97695489	96989863	97904196	3" (88,9mm)	96887674
DN 200	96641489			3" (88,9mm)	97918997
DN 200 PN16	96650321			3" (88,9mm)	97918997
DN 250	96782483			3" (88,9mm)	97918997
DN 250 PN16	96836995			3" (88,9mm)	97918997
DN 300	96782484			3" (88,9mm)	97918997
DN 500	96782485			3" (88,9mm)	97918997
DN 600	96782486			3" (88,9mm)	97918997

* Dimensions & tolerances according to EN 10255:2004+A1:2007, table 2.

Transportable stand



- Set contains:
- Ring stand
 - Bend w. hose connection
 - O-ring
 - Fastner set



- Set contains:
- Ring stand
 - Bend w. thread
 - O-ring
 - Fastner set

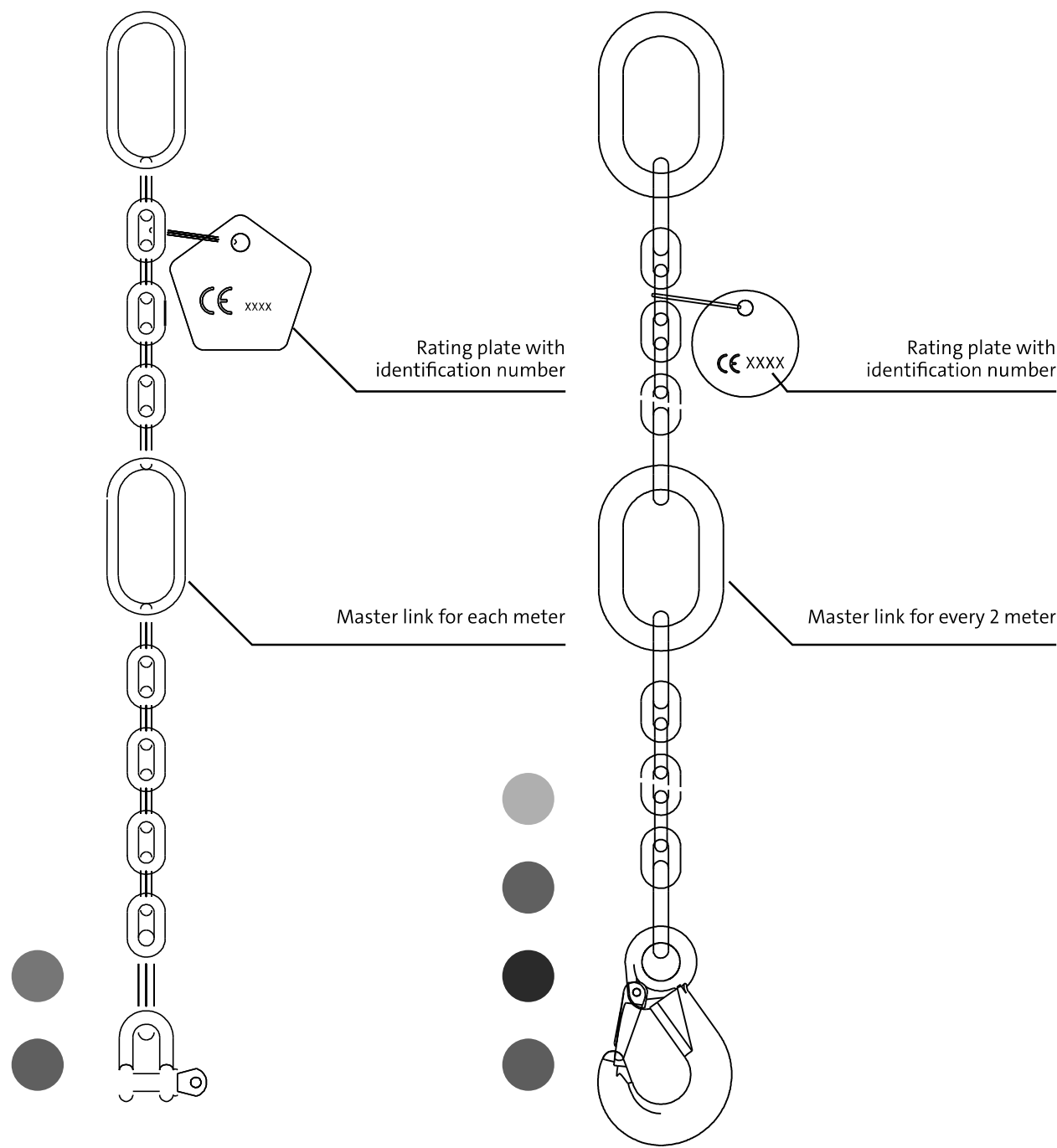


Grundfos do not recommend using ring stands for pumps above 11kW.

Grundfos pump Suction/discharge	Hose connection			Thread connection	
	Cast iron	Galvanized	Stainless (EN 1.4404)	Cast iron	Galvanized
DN 65/65 (2½")	96102253			96102379	
DN 65/80 (3")	96102378			96102380	
DN 80/65 (2½")	96102439			96102440	
DN 80/80 (3")	96102254			96102381	
DN 80/100 (4")	96943236			96943237	
DN 100/80 (3")	96102313			96102382	
DN (100-150) /(100/80)*			96898249		
DN 100/100 (4")	96102255			96102383	
DN 100/150 (6")			96898272		
DN 125/125 (5")		96790703			
DN 150/80 (3")		96790702	96898273		
DN 150/100 (4")		96102314	96898274		96102384
DN 150/(125/150) (6")**		96789479	96898275		
DN 150/150 (6")		96102256			96102385
DN (200-250) /200 (8")		96789480	96898277		
DN (200-250) /250 (10")***		96789481			
DN 300/200 (8")		96790704			
DN 300/300 (12")		96790705			

* (100-150) = Fits suction size DN100 to 150.
* (100/80) = Fits pump discharge DN100 and hose size DN80.
** (125/150) = Fits pump discharge DN125 and hose size DN150
*** (200-250) = Fits suction size DN200 to 250.

Lifting equipment



For safety reasons, Grundfos recommends the use of certified lifting equipment only.

Certified lifting weight	WWL = 320Kg		WWL = 500Kg	
Length\Material	Hot galvanised	EN1.4571/AISI316Ti	Hot galvanised	EN1.4571/AISI316Ti
2m		98989662		98538174
3m		98989664		98538175
4m		98989666		98538176
6m		98989668		98538177
8m		98989670		98538178
10m		98989672		98538179

Certified lifting weight	WWL = 800Kg		WWL = 2000Kg	
Length\Material	Hot galvanised	EN1.4571/AISI316Ti	Hot galvanised	EN1.4571/AISI316Ti
2m	98425759	98425796		
3m				
4m	98425760	98425797	98425784	98425801
6m	98425781	98425798	98425785	98425802
8m	98425782	98425799	98425786	98425803
10m	98425783	98425800	98425787	98425804

Certified lifting weight	WWL = 3200Kg		WWL = 8000Kg	
Length\Material	Hot galvanised	EN1.4571/AISI316Ti	Hot galvanised	EN1.4404/AISI316L
4m	98425788	98425805	98425792	98425809
6m	98425789	98425806	98425793	98425810
8m	98425790	98425807	98425794	98425811
10m	98425791	98425808	98425795	98425812

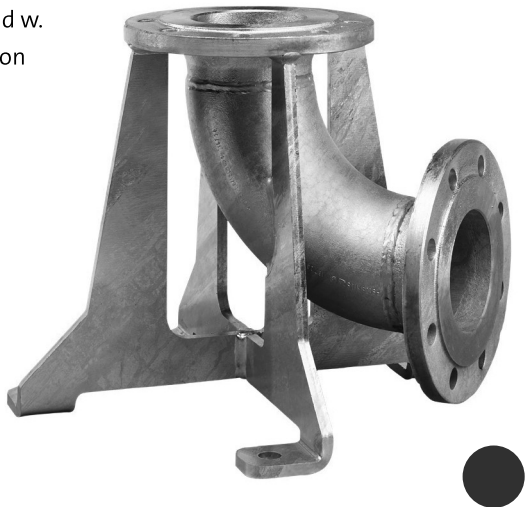
Vertical stand



- Set contains:
- Vertical stand
 - 90 Bend
 - Gaskets
 - Fastner set
 - Anchor set



- Set contains:
- Vertical stand w. bend welded on
 - Gaskets
 - Fastner set
 - Anchor set

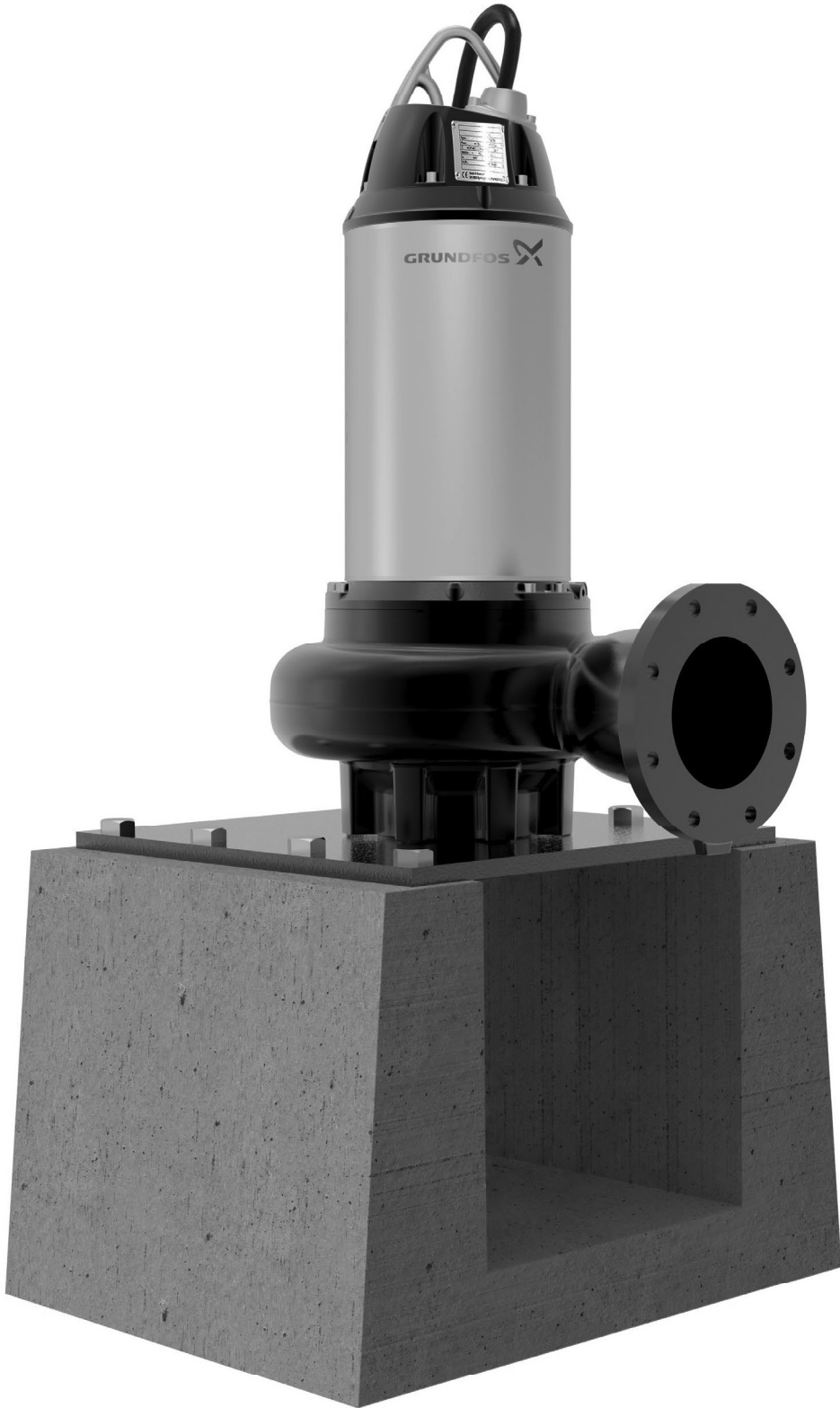


- Set contains:
- Vertical stand
 - Gaskets
 - Fastner set



Grundfos	Vertical stand w. bend (SE 1,1-11kW)			wo. Bend (S-range < Fr 62)	
Pump suction/ Bend flange	Galvanized	Stainless (EN1.4404)	Stainless (EN1.4539)	Galvanized	Stainless (EN1.4404)
DN 65	96102257*	98420439	98471607		
DN 80	96102258*	98420440	98471608		
DN 80/100	96567174	98420443	98471611		96090101
DN 100	96102259*	98420441	98471609	96308237	96090110
DN 100/125				96094524	96090125
DN 100/150	96567175	98420444	98471612		
DN 125				96094522	96090115
DN 150	96102260*	98420442	98471610	96308238	96835614
DN 150/200	96567176	98420445	98471613		
DN 200				96094523	96090119
DN 250				96094525	96090132
DN 300				96308239	
*welded			For suction Bends, please see page 19		

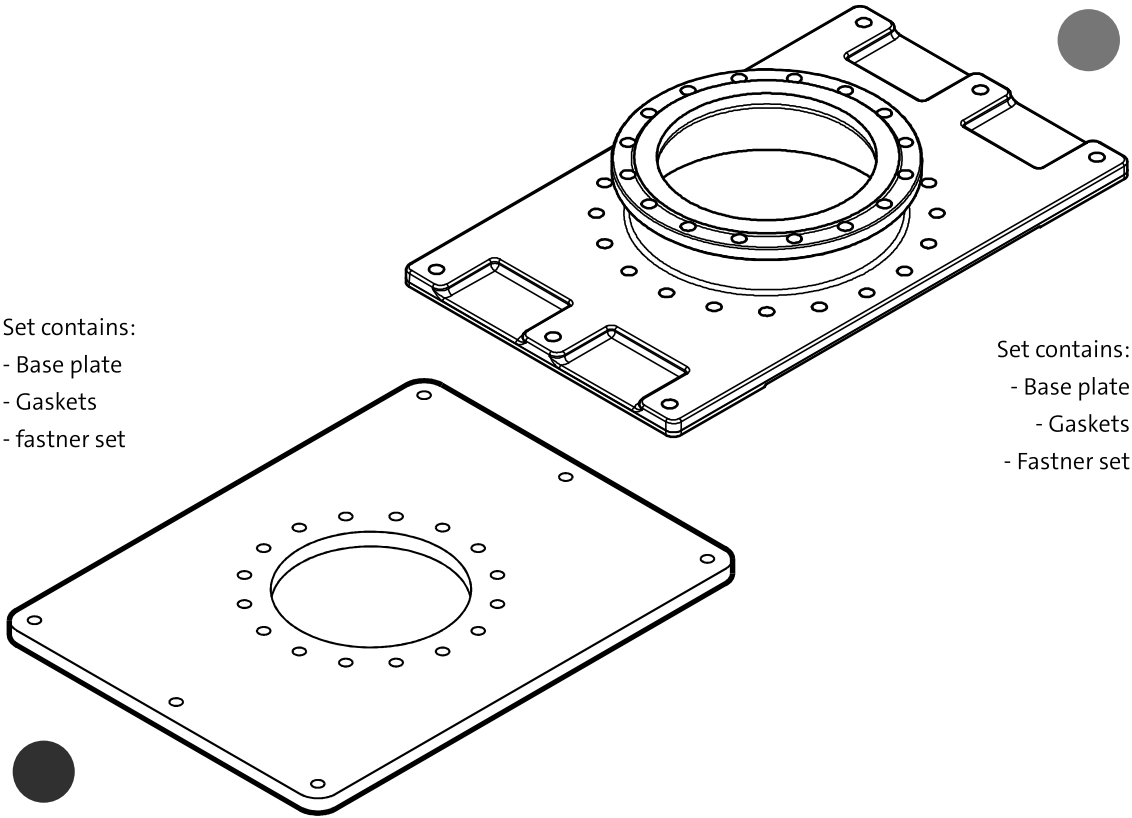
Base plates



DESIGN RECOMMENDATIONS FOR CONCRETE FOUNDATION

To ensure optimal performance, please refer to the 'Wastewater engineering manual 2,' section 3.4.2 Foundation for vertical submersible dry-pit sewage pumps, available from:

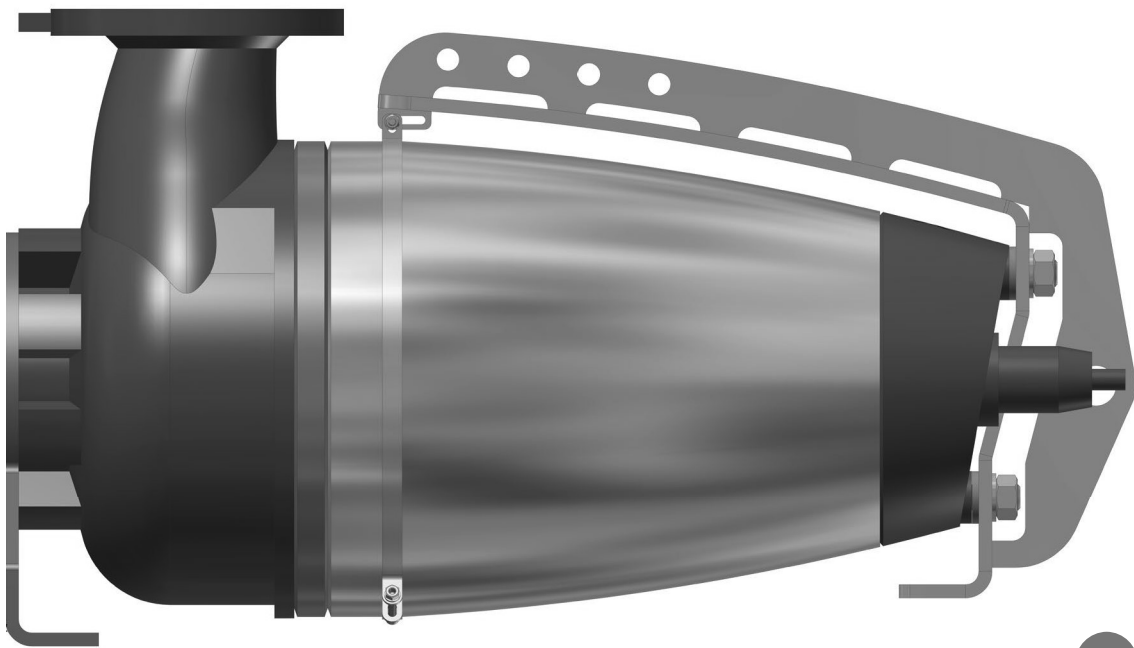
<https://www.grundfos.com/solutions/learn/research-and-insights/get-the-wastewater-engineering-manual-2-for-large-pumping-stations>



Grundfos pump	Base plate for dry vertical installation		
Suction flange	Standard steel plate version	For Fr 72-74	For Fr 78
DN100	92837287		
DN150	92837293		
DN200	92837295		
DN 250	<u>96308240</u>		
DN 300	<u>96308241</u>		
DN 400		<u>96256023</u>	
DN 500	<u>96308245</u>	<u>96256024</u>	97500283
DN 600	<u>96256025</u>		
DN 800			97500287
	Expanding cast iron version		
DN 400*	<u>96308244</u>		
*Expanding pipe connection DN500 (Fr. 70 only)			

For suction Bends, please see page 19

Horizontal brackets



Grundfos pump	Horizontal brackets			w. lifting handle
Suction flange	Galvanized	Stainless (EN1.4404)	Duplex stainless (EN1.4539)	Stainless (EN1.4404)
DN 65 (Frame B)	99451462	98433369	98471833	98902621
DN 65 (Frame C)	99451490	98433370	98471836	98902623
DN 80 (Frame B)	99451456	98433363	98471838	98902622
DN 80 (Frame C)	99451488	98433365	98471840	98902625
DN 80 (Frame D)	99451492	98433372	98471841	98902628
DN 100 (Frame B)	99451460	98433366	98471843	98902622
DN 100 (Frame C)	99451485	98433364	98471845	98902625
DN 100 (Frame D)	99451504	98433367	98471846	98902628
DN 150 (Frame C)	99451491	98433371	98471849	98902626
DN 150 (Frame D)	99451507	98433368	98471852	98902630

All sets contain fastner set and gaskets.

Motor frame size	2-pole motor	4-pole motor
Frame size B	1,1kW - 3kW	1,1kW - 2,2kW
Frame size C	4kW - 7,5kW	3kW - 5,5kW
Frame size D	9,2kW - 11kW	7,5kW

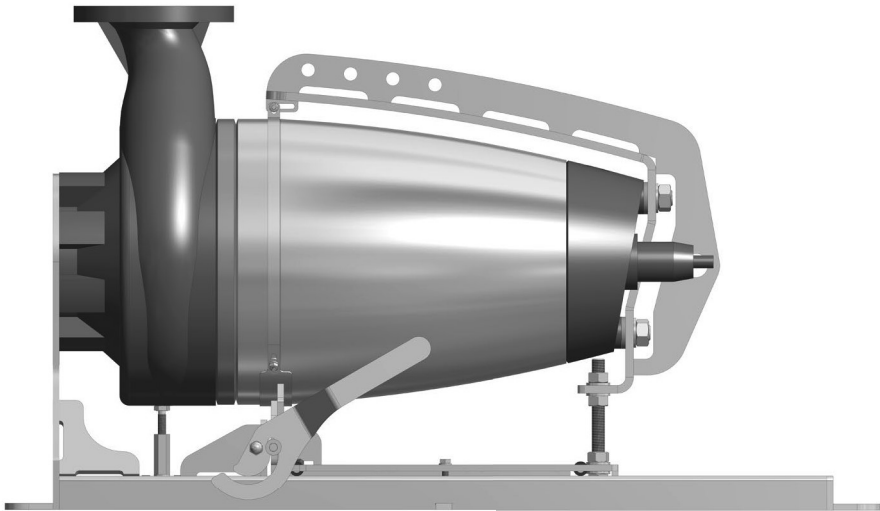


Horizontal Stand



Grundfos pump	Horizontal stand for SE/SL 9-30kW	S-range up to frame 78	
Suction flange	Epoxy-coated steel stand	Coated steel	Stainless/special
DN 100	99867046	Included in H version	On request
DN 150	99867050	Included in H version	On request
DN 200	99867461	Included in H version	On request
DN 250	99867462	Included in H version	On request
DN 300	99867474	Included in H version	On request
DN 400		Included in H version	On request
DN 500		Included in H version	On request
DN 600		Included in H version	On request
DN 800		Included in H version	On request

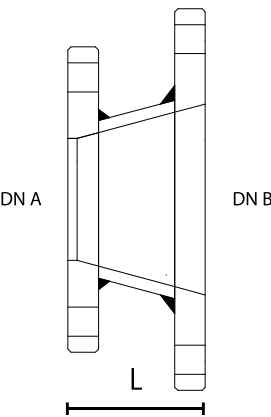
All sets contain fastner set and gaskets.



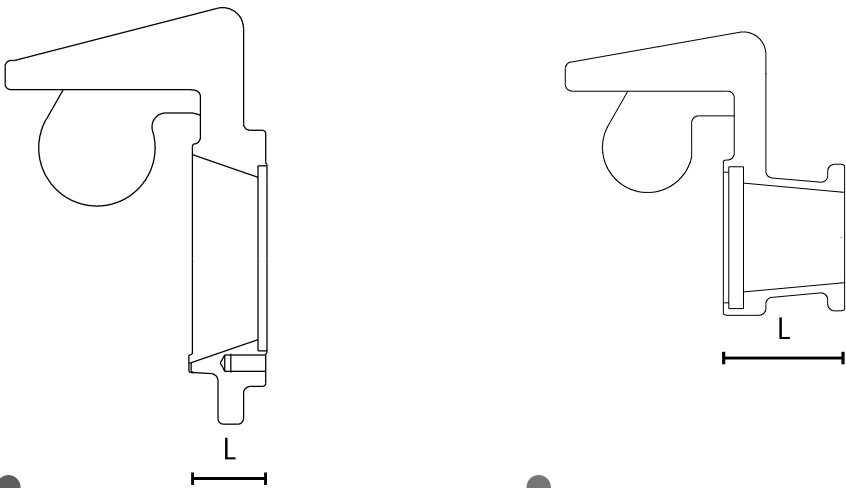
Pump to be installed									Service sledge
Product type	Free pas-sage	Discharge size	Power	Poles	Frequency	Power Unit	Discharge std.	Type key	Part no.
SE Sledge // Frame size B // SE1.50.2.2-3.2.50 DIN									98827089
SE1	50	65	22	2	50	kW	DIN	SE sledge SE1.50.65.2.2.50 DIN	
SE1	50	65	30	2	50	kW	DIN	SE sledge SE1.50.65.3.2.50 DIN	
SE1	50	80	22	2	50	kW	DIN	SE sledge SE1.50.80.2.2.50 DIN	
SE1	50	80	30	2	50	kW	DIN	SE sledge SE1.50.80.3.2.50 DIN	
SE Sledge // Frame size B // SEV.65.2.SE1.80.4.50 DIN									98902585
SEV	65	65	22	2	50	kW	DIN	SE sledge SEV.65.65.2.2.50 DIN	
SEV	65	65	3	2	50	kW	DIN	SE sledge SEV.65.65.0.3.2.50 DIN	
SEV	65	80	22	2	50	kW	DIN	SE sledge SEV.65.80.2.2.50 DIN	
SEV	65	80	3	2	50	kW	DIN	SE sledge SEV.65.80.0.3.2.50 DIN	
SE1	80	80	15	4	50	kW	DIN	SE sledge SE1.80.80.1.5.4.50 DIN	
SE1	80	80	22	4	50	kW	DIN	SE sledge SE1.80.80.2.4.50 DIN	
SE1	80	100	15	4	50	kW	DIN	SE sledge SE1.80.100.1.5.4.50 DIN	
SE1	80	100	22	4	50	kW	DIN	SE sledge SE1.80.100.2.2.4.50 DIN	
SE Sledge // Frame size B // SEV.80.80.4.50 DIN									98902589
SEV	80	80	11	4	50	kW	DIN	SE sledge SEV.80.80.1.1.4.50 DIN	
SEV	80	80	13	4	50	kW	DIN	SE sledge SEV.80.80.1.3.4.50 DIN	
SEV	80	80	15	4	50	kW	DIN	SE sledge SEV.80.80.1.5.4.50 DIN	
SEV	80	80	22	4	50	kW	DIN	SE sledge SEV.80.80.2.2.4.50 DIN	
SEV	80	100	11	4	50	kW	DIN	SE sledge SEV.80.100.1.1.4.50 DIN	
SEV	80	100	13	4	50	kW	DIN	SE sledge SEV.80.100.1.3.4.50 DIN	
SEV	80	100	15	4	50	kW	DIN	SE sledge SEV.80.100.1.5.4.50 DIN	
SEV	80	100	22	4	50	kW	DIN	SE sledge SEV.80.100.2.2.4.50 DIN	
SE Sledge // Frame size C // SE1.50.4.2.50 DIN									98827090
SE1	50	65	40	2	50	kW	DIN	SE sledge SE1.50.65.4.2.50 DIN	
SE1	50	65	40	2	50	kW	DIN	SE sledge SE1.50.65.4.2.50 DIN	
SE Sledge // Frame size C // SEV.65.4.2.50 DIN									98902602
SEV	65	65	40	2	50	kW	DIN	SE sledge SEV.65.65.4.2.50 DIN	
SEV	65	80	40	2	50	kW	DIN	SE sledge SEV.65.80.4.2.50 DIN	
SE Sledge // Frame size C // SEV.80.SE1.80.50 DIN									98902603
SEV	80	80	40	4	50	kW	DIN	SE sledge SEV.80.80.4.4.50 DIN	
SEV	80	80	40	2	50	kW	DIN	SE sledge SEV.80.80.4.2.50 DIN	
SEV	80	80	60	2	50	kW	DIN	SE sledge SEV.80.80.6.2.50 DIN	
SEV	80	80	75	2	50	kW	DIN	SE sledge SEV.80.80.7.5.2.50 DIN	
SEV	80	100	40	4	50	kW	DIN	SE sledge SEV.80.100.4.4.50 DIN	
SEV	80	100	40	2	50	kW	DIN	SE sledge SEV.80.100.4.2.50 DIN	
SEV	80	100	60	2	50	kW	DIN	SE sledge SEV.80.100.6.2.50 DIN	
SEV	80	100	75	2	50	kW	DIN	SE sledge SEV.80.100.7.5.2.50 DIN	
SE1	80	80	30	4	50	kW	DIN	SE sledge SE1.80.80.3.4.50 DIN	
SE1	80	80	40	4	50	kW	DIN	SE sledge SE1.80.80.4.4.50 DIN	
SE1	80	80	55	4	50	kW	DIN	SE sledge SE1.80.80.5.5.4.50 DIN	
SE1	80	100	30	4	50	kW	DIN	SE sledge SE1.80.100.3.4.50 DIN	
SE1	80	100	40	4	50	kW	DIN	SE sledge SE1.80.100.4.4.50 DIN	
SE1	80	100	55	4	50	kW	DIN	SE sledge SE1.80.100.5.5.4.50 DIN	
SE Sledge // Frame size C // SEV.100.100.50 DIN									98902606
SEV	100	100	40	4	50	kW	DIN	SE sledge SEV.100.100.4.4.50 DIN	
SEV	100	100	40	4	50	kW	DIN	SE sledge SEV.100.100.4.4.50 DIN	
SEV	100	100	60	4	50	kW	DIN	SE sledge SEV.100.100.6.4.50 DIN	
SE Sledge // Frame size C // SE1.100.100.4.50 DIN									98902607
SE1	100	100	40	4	50	kW	DIN	SE sledge SE1.100.100.4.4.50 DIN	
SE1	100	100	55	4	50	kW	DIN	SE sledge SE1.100.100.5.5.4.50 DIN	
SE1	100	150	40	4	50	kW	DIN	SE sledge SE1.100.150.4.4.50 DIN	
SE1	100	150	55	4	50	kW	DIN	SE sledge SE1.100.150.5.5.4.50 DIN	
SE Sledge // Frame size D // SEV.80.SE1.80.50 DIN									98827091
SEV	80	80	92	2	50	kW	DIN	SE sledge SEV.80.80.9.2.2.50 DIN	
SEV	80	80	110	2	50	kW	DIN	SE sledge SEV.80.80.11.2.50 DIN	
SEV	80	100	110	2	50	kW	DIN	SE sledge SEV.80.100.11.2.50 DIN	
SEV	80	100	110	2	50	kW	DIN	SE sledge SEV.80.100.11.2.50 DIN	
SE1	80	80	75	4	50	kW	DIN	SE sledge SE1.80.80.7.5.4.50 DIN	
SE1	80	100	75	4	50	kW	DIN	SE sledge SE1.80.100.7.5.4.50 DIN	
SE Sledge // Frame size D // SEV.100.75.4.50 DIN									98902608
SEV	100	100	75	4	50	kW	DIN	SE sledge SEV.100.100.7.5.4.50 DIN	
SE Sledge // Frame size D // SE1.100.75.4.50 DIN									98902609
SE1	100	100	75	4	50	kW	DIN	SE sledge SE1.100.100.7.5.4.50 DIN	
SE1	100	150	75	4	50	kW	DIN	SE sledge SE1.100.150.7.5.4.50 DIN	

All sets contain fastner set and gaskets. Only for 50Hz pumps.

Fittings and Adapters

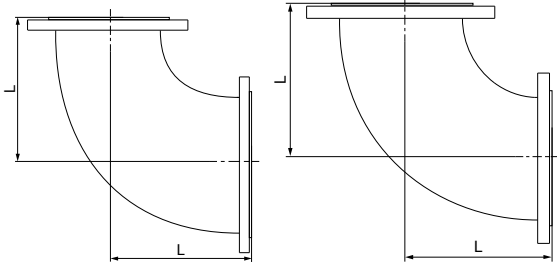
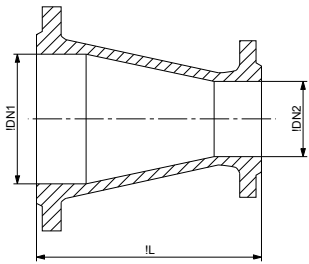


Grundfos adaptor	Fits to	
	SE/SL	
DN A/B	L[mm]	PN
DN 80/125	90	97983536
DN 100/125	90	99032853



Discharge	Fits to			
	SE/SL		DPK	
Pump/base unit	L[mm]	PN	L[mm]	PN
DN 80			28	99133495
DN 80/100			108	99133496
DN 100/150	64	96611613		
DN 100/150 (FKM)	64	96659183		

All guide claw set contain fastern set and gaskets.



Grundfos fittings	Flanged taper Coated cast iron		90deg bend Coated cast iron	
DN 1/DN 2	L [mm]	PN	L [mm]	PN
DN 50				
DN 50/65	190	99134840		
DN 50/80	185	99134841		
DN 65				
DN 65/80	190	99134842		
DN 65/100	195	99135003		
DN 80			165	99035995
DN 80/100	200	99135004	200	99036004
DN 80/125	185	99135005		
DN 100			180	99035996
DN 100/125	185	99135006		
DN 100/150	190	99135007	250	99036005
DN 125				
DN 125/150	190	99135008	250	99036006
DN 125/200	235	99135009		
DN 150			220	99035997
DN 150/200	235	99135010	300	99036007
DN 150/250	250	99135011		
DN 200			260	99026266
DN 200/250	250	99135012	350	99036008
DN 200/300	265	99135043	400	99036009
DN 200/400			500	99036010
DN 250			350	99035998
DN 250/300	265	99135044	400	99036011
DN 250/350	290	99135045	450	99036012
DN 250/400			500	99036013
DN 300			400	99035999
DN 300/400			500	99036014
DN 400			500	99036000
DN 400/500			600	99036015
DN 500			500	99036001
DN 500/600			700	99031225
DN 600			700	99036002
DN 800			900	99036003

Electrical equipment



Float switches				
Part number	Cable length	Cable sheath	Approval(s)	Package inc. Wall hanger
99911624	10	Neoprene	CE	No
99911648	20	Neoprene	CE	No
99911650	30	Neoprene	CE	No
99023672	10	TML-B	CE,ACS	No
99023669	20	TML-B	CE,ACS	No
96003421	10	TPK-PVC	CE,EAC,ATEX	No
96003536	20	TPK-PVC	CE,EAC,ATEX	No
91072782	30	TPK-PVC	CE,EAC,ATEX	No
96736324	40	TPK-PVC	CE,EAC,ATEX	No
62500016	10	TPK-PVC	CE,EAC,ATEX	Yes - inc. 2 float switches
62500017	10	TPK-PVC	CE,EAC,ATEX	Yes - inc. 3 float switches
62500018	10	TPK-PVC	CE,EAC,ATEX	Yes - inc. 4 float switches
96003332	10	TPK-PVC	CE,EAC	No
96003695	20	TPK-PVC	CE,EAC	No
91073205	30	TPK-PVC	CE,EAC	No
99599041	40	TPK-PVC	CE,EAC	No
97534887	50	TPK-PVC	CE,EAC	No
62500013	10	TPK-PVC	CE,EAC	Yes - inc. 2 float switches
62500014	10	TPK-PVC	CE,EAC	Yes - inc. 3 float switches
62500015	10	TPK-PVC	CE,EAC	Yes - inc. 4 float switches

Level transmitter - pressure					
Part number	Measuring range [m/H2O]	cable length [m]	Signal output [mA]	Approval(s)	Duty
99488553	0-2	10	5-20	CE,ACS	Normal
99488544	0-3	10	5-20	CE	Normal
99488574	0-4	10	5-20	CE	Normal
99488545	0-5	10	5-20	CE	Normal
99488576	0-6	10	5-20	CE	Normal
99488552	0-10	25	5-20	CE	Normal
99431205	0-5	10	5-20	CE,EAC,ATEX	Normal
99113184	0-5	25	5-20	CE,EAC,ATEX	Normal
99488550	0-5	25	5-20	CE	Heavy duty

Level transmitter - pressure accessories		
Part number	Description	Usage
92538255	Level Tr. cable hanger	Cable suspension
99488579	Level Tr. Ex. Barrier for 4 to 20mA	EX installations with analog sensor
99488577	Level Tr. junction box	Extension of sensor cable with pressure compensator

Grundfos LC level controllers



LC 231

A compact solution complete with certified motor protection

EASY TO SET-UP, CONFIGURE AND CONNECT FOR SMART LEVEL CONTROL OF YOUR WASTEWATER, BUILDING OR TANK APPLICATION

Designed for installations with one or two pumps, the Grundfos LC level controller is ideal for emptying and filling related to small wastewater transport, commercial buildings and tank-filling applications.

The controller is equipped with predefined settings to fit these applications for an easier and quicker start-up in the specific application. The controller can support up to five control levels for both analogue level transmitter or float switch operation.

Start and stop signals are used for normal operation, and the optional dry-run signal will protect the pumps from dry running. The controller can run in two modes: EMPTYING or FILLING. For emptying applications, if the tank or pit is completely filled, the controller will run all pumps to empty. For filling applications, the opposite applies; if the tank is full, the pumps will not run.

Grundfos LC level controllers are available in two variants:
LC 231 – a compact solution complete with certified motor protection
LC 241 – a cabinet solution offering modularity and customisation.



LC 241

A cabinet solution offering modularity and customisation

UNIQUELY CONFIGURABLE INPUT/OUTPUT TERMINALS AND HIGHLY INTUITIVE USER INTERFACE

The controller is equipped with Grundfos configurable input/output terminals, giving full flexibility for all applications. Daily control, supervision and commissioning is straightforward with the intuitive and easy-to-use user interface. This saves you valuable time when getting started, and in your daily interaction with pumps and the controller.

The controller integrates seamlessly into the Grundfos range of communication modules, ensuring an easy fit into any supervisory system such as SCADA or Grundfos CLOUD Solution.

Find the LC controller for your need on [Grundfos.com](https://www.grundfos.com)

Grundfos Dedicated controller



CU 362 - Dedicated Controls.

Advanced wastewater control made easy, solving complex challenges

FULL CONTROL FROM ANYWHERE.

Dedicated Controls is an intelligent monitoring and control solution developed specifically for network pumping stations and commercial buildings.

They are designed to control up to six pumps in sewage pumping stations. This makes them an excellent choice for mains systems, commercial buildings, and similar applications.

Dedicated Controls at a glance

With their integrated control and communication options, the Dedicated Controls solutions expand the scope of the Grundfos controls range. Here are some of the main features:

- ENERGY REDUCING**
To ensure the lowest possible specific energy consumption (kwh/m³), Dedicated Controls continuously learns and adapts to duty conditions in the specific pumping system. The controller immediately adapts pump speed in response to data from the frequency drive (Grundfos CUE) and a flowmeter. Specific energy consumption can also be provided by the electronic motor protection (Grundfos MP 204). This gives a continuous overview of pumping efficiency, enabling timely service and maintenance of pumps and mains.
- ANTI-BLOCKING**
The "Flush and reverse" function prevents clogging caused by the increasing amounts of the fibrous component and solids in sewage today. The anti-blocking function acts on any abnormal events to stop pumps from blocking, avoiding costly downtime.
- FLEXIBILITY FOR LOCAL ADAPTION**
Dedicated Controls has a number of free input/outputs for extra sensor inputs (e.g. temperature sensors) or extra relay outputs (e.g. valve operation). Set-up is highly intuitive via the large display or via Grundfos pc tool, and no extra programming is required.

Find the DC controller for your need on [Grundfos.com](https://www.grundfos.com)

