DW range
0.7 - 20 kW

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GRUNDFOS

Efficient **state-of-the-art** dewatering pumps

Grundfos offers a complete range of highly efficient dewatering pumps incorporating state-of-the-art technology. The range comprises a series of pumps from 0.8 kW to 20 kW with a flow rate of 100 l/sec.

We demand more of our pumps than you ever will

Demands on portable dewatering pumps are high, but the demands that we place on our products are even higher. Only the hardest wearing materials are used for the Grundfos DW (dewatering) range. Every single component has been examined and improved upon wherever necessary to bring you maximum performance in every detail.

Unique user benefits

The Grundfos DW pumps form part of a complete range of wastewater and sewage handling products. Like all Grundfos products the DW pump series offer unique customer benefits, making them the natural choice for any job where raw water needs to be pumped - whether from construction sites, mining pits, excavations, or flooded basements, etc.

Durability

The Grundfos DW pumps are made entirely of high-grade non-corrosive materials.

Versatility

The Grundfos DW pumps are suitable for a variety of purposes.

Reliability

The pumps are built to perform under the toughest working conditions, round the clock, day in and day out.

Easy to service

Wear parts are easy to replace and no special tools are required.

Easy to handle

The compact design in combination with quick-coupling discharge ports make the pumps easy to transport and put into operation.

Advanced technology incorporated into an exceptional range of pumps

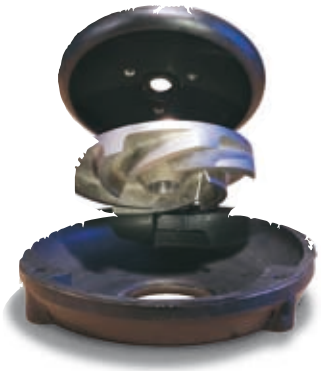
The Grundfos DW range is built to last longer than conventional dewatering pumps. This is achieved through extensive use of high-grade materials such as chromium steel, nitril rubber, silicon carbide (SiC/SiC) and aluminium alloy. Various protection devices minimise potential system damage caused by overheating, whilst an integrated level switch (optional) monitors water level and automatically starts and stops the pump.

Can do more

The Grundfos DW pumps are capable of pumping water containing abrasive materials such as sand and clay particles, drill cuttings, and other potentially damaging objects that could be found on rock faces, at construction sites or in mine shafts.

The Grundfos DW pumps are suitable for all kinds of drainage and dewatering jobs:

- **Tunnels**
- **Mines**
- **Quarries**
- **Gravel pits**
- **Steel works**
- **Fish ponds**
- **Construction sites**



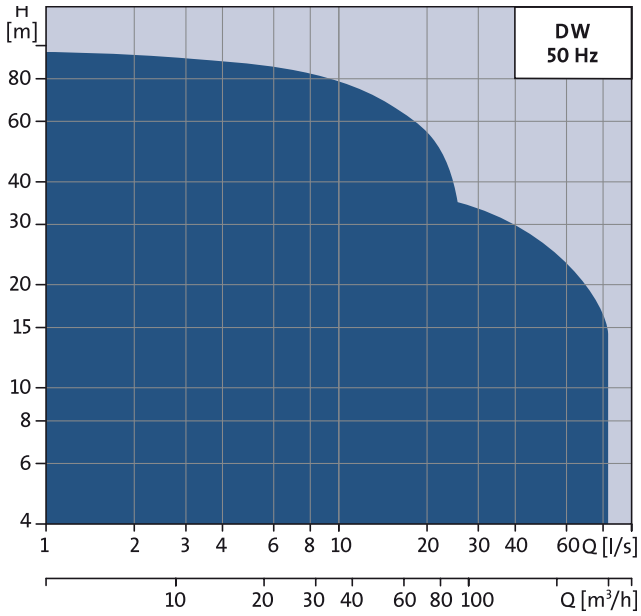
Tough wear parts

In order to provide protection against abrasives in the pumped liquid, the hardened stainless steel impeller is fitted between rubber-parts. When the diffuser becomes worn, it is easily adjusted against the impeller by means of the staybolts. This ensures that the high performance of the pumps can be maintained. A rubber liner protects against wear inside the cooling jacket.

Optimum performance and easy handling

The Grundfos DW pumps are designed to reduce downtime and to make replacement of components as quick and easy as possible. With an adjustable diffuser, optimum performance can be maintained for extended operation. Many components are

Performance range



Attention to detail...

The Grundfos DW range is designed with attention to every detail to ensure optimum performance and years of trouble-free operation.

Air valve for water level compartment.

Integrated on/off switch for automatic start and stop (A), or for continuous pump operation (B).

Electrodes for monitoring the water level in the water level compartment and automatic operation of the pump. 24 V control voltage. No moving parts for start and stop signal.

Stator is insulation class F (155° C). Built-in thermal switch for protection of the motor. The motor will stop before over-heating can cause any damage to the system.

Tight-fitting, wear resistant nitrile rubber impeller back plate.

Rubber covered handle

- enables the DW range to lead the field

Electrical control functions are integrated in both direct-on-line and star-delta pump starting. This means only one cable is required to operate the pump.

Special low-weight, shock-resistant aluminium alloy stator housing, pump sleeve and top cover.

Replaceable, wear-resistant nitrile rubber lining where water velocity is at its highest.

Heavy-duty, greased-for-life ball bearings. Double shaft seal system with intermediate oil chamber. SiC/SiC primary seal.

Wear-resistant stainless steel (550 HB) semi-open impeller.

Tough, wear-resistant nitrile rubber diffuser. Easily replaceable and adjustable to ensure that optimum performance is maintained throughout the pump's life.

The Grundfos **DW range**

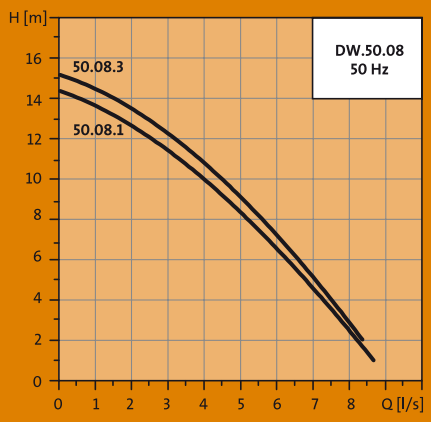
The Grundfos DW pumps are portable submersible pumps with vertical discharge port. They are designed to meet the operating conditions typical of construction sites, excavations, and in the mining industry where the pumped liquid often contains sand, drill cuttings, and similar abrasive particles.

These demands are met by using only high-grade materials. All pumps are available with or without automatic level control.

(Performance overview according to ISO 9906 annex A).

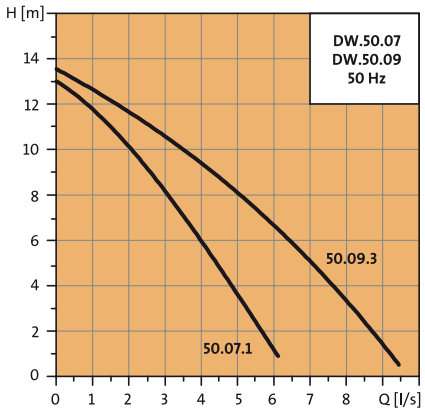
DW.50.08.1 – single-phase
Motor: 0.8 kW, 2800 rpm
Max. power input: 1.3 kW
Discharge: R 2 or 2" hose
Weight: 13 kg (without cable)

DW.50.08.3 – three-phase
Motor: 0.8 kW, 2800 rpm
Max. power input: 1.3 kW
Discharge: R 2 or 2" hose
Weight: 13 kg (without cable)
(With polypropylene pump sleeve)

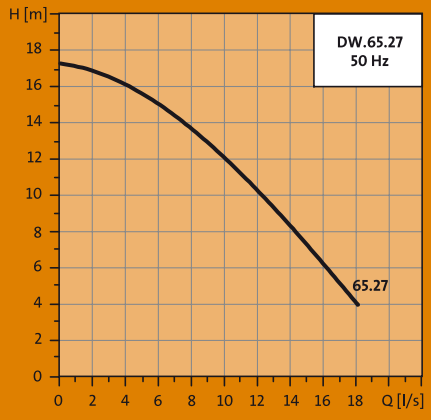


DW.50.07.1 – single-phase
Motor: 0.7 kW, 2800 rpm
Max. power input: 0.9 kW
Discharge: R 2 or 2" hose
Weight: 18 kg (without cable)

DW.50.09.3 – three-phase
Motor: 0.9 kW, 2800 rpm
Max. power input: 1.3 kW
Discharge: R 2 or 2" hose
Weight: 18 kg (without cable)

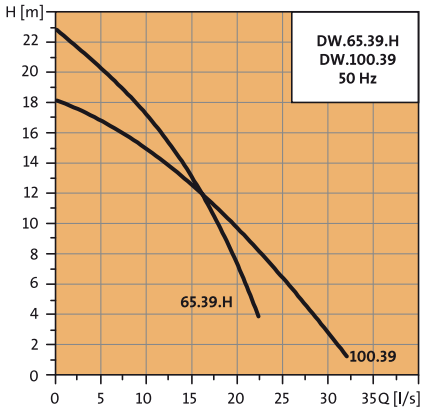


DW.65.27 – three-phase
Motor: 2.7 kW, 2800 rpm
Max. power input: 3.4 kW
Discharge: R 2 1/2 or 2 1/2" hose
Weight: 33 kg (without cable)



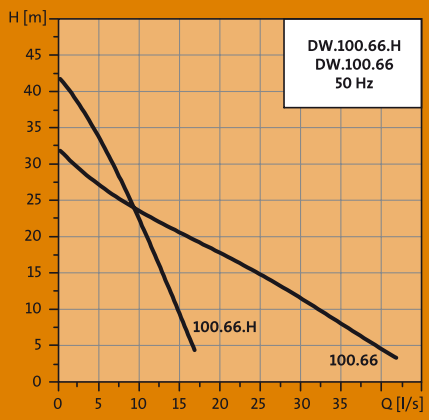
DW.65.39 – three-phase
Motor: 3.9 kW, 2800 rpm
Max. power input: 5.7 kW
Discharge: R 2 1/2 or 2 1/2” hose
Weight: 38 kg (without cable)

DW.100.39 – three-phase
Motor: 3.9 kW, 2800 rpm
Max. power input: 4.8 kW
Discharge: R 4 or 4” hose
Weight: 38 kg (without cable)



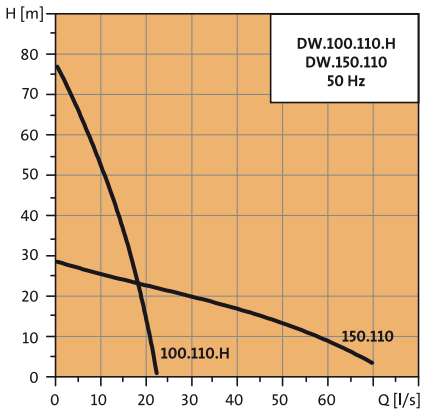
DW.100.66.H – three-phase
Motor: 6.6 kW, 2800 rpm
Max. power input: 6.5 kW
Discharge: R 4 or 4” hose
Weight: 51 kg (without cable)

DW.100.66 – three-phase
Motor: 6.6 kW, 2800 rpm
Max. power input: 7.8 kW
Discharge: R 4 or 4” hose
Weight: 51 kg (without cable)



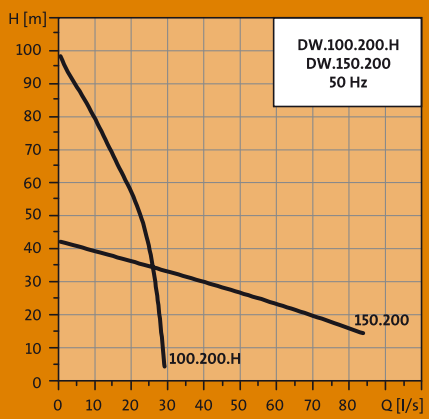
DW.100.110.H – three-phase
Motor: 11 kW, 2800 rpm
Max. power input: 12.8 kW
Discharge: R 4 or 4” hose
Weight: 110 kg (without cable)

DW.150.110 – three-phase
Motor: 11 kW, 2800 rpm
Max. power input: 15.0 kW
Discharge: R 6 or 6” hose
Weight: 110 kg (without cable)



DW.100.200.H – three-phase
Motor: 20 kW, 2800 rpm
Max. power input: 23.0 kW
Discharge: R 4 or 4” hose
Weight: 148 kg (without cable)

DW.150.200 – three-phase
Motor: 20 kW, 2800 rpm
Max. power input: 25.5 kW
Discharge: R 6 or 6” hose
Weight: 148 kg (without cable)



Technical data and dimensions

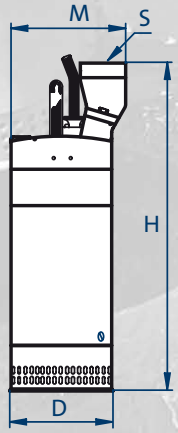
Pump type	H [mm]	D [mm]	M [mm]	S [mm]/ [inch]	Max. installation depth [m]	Max. Q [l/sec]	Max. head [m]	P_1 Max [kW]	I_N [A]	$\frac{I_{start}}{I_N}$	Oil [l]	Weight [kg]
Single-phase pumps												
DW.50.07.1	395	210	212	50/2"	25	6.1	13	1.0	4	6	0.25	17
DW.50.07.A1	395	210	212	50/2"	25	6.1	13	1.0	4	6	0.25	18
Three-phase pumps												
DW.50.09.3	365	210	212	50/2"	25	9.4	13.5	1.3	2.6	6	0.25	17
DW.50.09.A3	365	210	212	50/2"	25	9.4	13.5	1.3	2.6	6	0.25	18
DW.65.27.3	525	246	250	65/2½"*	25	17	17.3	3.4	6.2	6	0.3	30
DW.65.27.A3	525	246	250	65/2½"*	25	17	17.3	3.4	6.2	6	0.3	30
DW.65.39.3.H	590	246	275	65/2½"*	25	22.2	22.8	5.7	8.6	6	0.3	36
DW.65.39.A3.H	590	246	275	65/2½"*	25	22.2	22.8	5.7	8.6	6	0.3	36
DW.100.66.3.H	710	246	275	100/4"	25	16.6	42	6.6	12.5	6	0.3	51
DW.100.66.A3.H	710	246	275	100/4"	25	16.6	42	6.6	12.5	6	0.3	51
DW.100.39.3	590	246	275	100/4"	25	31.9	18.1	5.6	8.6	6	0.3	36
DW.100.39.A3	590	246	275	100/4"	25	31.9	18.1	5.6	8.6	6	0.3	36
DW.100.66.3	710	246	275	100/4"	25	41.6	32	7.8	12.5	6	0.3	51
DW.100.66.A3	710	246	275	100/4"	25	41.6	32	7.8	12.5	6	0.3	51
DW.100.110.3.H	850	360	410	100/4"	20	21.9	77	12.8	21	6	2.3	110
DW.100.110.A3.H	850	360	410	100/4"	20	21.9	77	12.8	21	6	2.3	110
DW.150.110.3	850	360	410	150/6"	20	68.9	28.5	15	23	6	2.3	110
DW.150.110.A3	850	360	410	150/6"	20	68.9	28.5	15	23	6	2.3	110
DW.100.200.3.H	1000	360	410	100/4"	20	28.6	98.2	23	40	6	2.3	148
DW.100.200.A3.H	1000	360	410	100/4"	20	28.6	98.2	23	40	6	2.3	148
DW.150.200.3	1000	360	410	150/6"	20	82.7	42.1	25.5	41	6	2.3	148
DW.150.200.A3	1000	360	410	150/6"	20	82.7	42.1	25.5	41	6	2.3	148

* With hose connection 3"

Pumps with polypropylene pump sleeve

Pump type	H [mm]	D [mm]	M [mm]	S [mm]/ [inch]	Max. installation depth [m]	Max. Q [l/sec]	Max. head [m]	P_1 [kW] Max	I_N [A]	$\frac{I_{start}}{I_N}$	Filled with grease	Weight [kg]
DW.50.08.1	432	200	200	50/2"	5	8.8	14.3	1.3	6	6	x	13
DW.50.08.A1	432	200	200	50/2"	5	8.8	14.3	1.3	6	6	x	13
DW.50.08.3	432	200	200	50/2"	5	8.3	15.1	1.3	2.5	6	x	13
DW.50.08.A3	432	200	200	50/2"	5	8.3	15.1	1.3	2.5	6	x	13

Dimensional sketch



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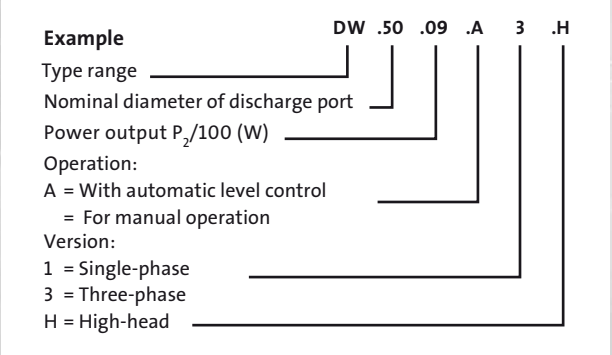


Material specification

Description	Material	DIN W.-Nr.	ASTM/AISI
Stator housing Pump sleeve Discharge Top cover	All models*: Aluminium castings. *DW.50.08 has a polypropylene pump sleeve.	1712:GA15: 10Mg	ASTM B26SG 100A
Motor cable	20 metres, H07RN-F.		
Impeller	Stainless steel (nickel-chromium) 550 HB.		AISI 420
Shaft	Stainless steel.	1.4021	
Bearings	DW.50.07 to DW.100.66: • Two single-row heavy duty prelubricated ball bearings. DW.100.110 to DW.150.200 (11 and 20 kW): • Heavy-duty prelubricated ball bearings. • The lower ball bearing is a double-row ball bearing, the upper a single-row ball bearing.		
Shaft seals	DW.50.08 with polypropylene pump sleeve: • Seal bushing containing grease and a lip seal in both ends. DW.50.07 to DW.100.66 with aluminium pump sleeve: • Combination of a mechanical seal and a lip seal. • Primary seal: Mechanical seal, silicon carbide/silicon carbide. • Secondary seal: Lip seal. DW.100.110 to DW.150.200 (11 and 20 kW): • Primary seal: Silicon carbide/silicon carbide. • Secondary seal: Carbon/aluminium oxide.		
Bottom plate and strainer	DW.50.08: Polypropylene. All other models: Stainless steel.	1.4301	AISI 304
Wear parts	Nitrile rubber.		
Screws	Stainless steel.	1.4301	AISI 304

Pumped liquids

The Grundfos DW pumps are specifically designed for pumping dirty water with a high content of abrasives, such as sand, drill cuttings and similar abrasive materials.

Ph-value: 5 to 8.
Temperature: 0° C to +40° C.
Max. density: 1100 kg/m^3.

Motor

Two-pole motors for 50 Hz with voltage tolerances of ±10%. As a protection against overload all Grundfos DW pumps have thermal overload switches in the stator windings. They break the circuit at 130° C.

Enclosure class: IP 68.
Insulation class: F (155° C).

Pump types and **product numbers**

All pumps are supplied with 20 metres of cable as standard. Other lengths are available on request.

Note: Pumps without integrated motor starter for direct on-line or star-delta starting must be connected to an external control box to protect the motor against overcurrent and overload.

Pumps with aluminium pump sleeve

Pump type	Voltage [V]	Starting	Electrical connection				Discharge connection			Product number
			No plug	Schuko plug	Motor starter*	Prepared for external control box	Hose connection	Threaded	Storz coupling half	
Single-phase pumps										
DW .50.07.1	1 x 230	DOL	x					x		96090204
DW .50.07.A1	1 x 230	DOL	x					x		96090205
DW .50.07.1	1 x 230	DOL		x					x	96090238
DW .50.07.A1	1 x 230	DOL		x					x	96090239
DW .50.07.1	1 x 230	DOL		x			x			96090299
Three-phase pumps										
DW .50.09.3	3 x 400	DOL	x					x		96090206
DW .50.09.A3	3 x 400	DOL	x					x		96090207
DW .50.09.3	3 x 400	DOL			x				x	96090253
DW .50.09.A3	3 x 400	DOL			x				x	96090254
DW .50.09.3	3 x 400	DOL			x		x			96090300
DW .50.09.3	3 x 230	DOL	x				x			96090276
DW .50.09.A3	3 x 230	DOL	x				x			96090277
DW .65.27.3	3 x 400	DOL	x					x		96090208
DW .65.27.A3	3 x 400	DOL	x					x		96090209
DW .65.27.3	3 x 400	DOL			x				x	96090240
DW .65.27.A3	3 x 400	DOL			x				x	96090255
DW .65.27.3	3 x 400	DOL			x		x			96090301
DW .65.27.3	3 x 230	DOL	x				x			96090278
DW .65.27.A3	3 x 230	DOL	x				x			96090279
DW .65.39.3.H	3 x 400	DOL	x					x		96090210
DW .65.39.A3.H	3 x 400	DOL	x					x		96090211
DW .65.39.3.H	3 x 400	DOL			x				x	96090241
DW .65.39.A3.H	3 x 400	DOL			x				x	96090256
DW .65.39.3.H	3 x 400	DOL			x		x			96090302
DW .65.39.3.H	3 x 230	DOL	x				x			96090280
DW .65.39.A3.H	3 x 230	DOL	x				x			96090281
DW .100.39.3	3 x 400	DOL	x					x		96090212
DW .100.39.A3	3 x 400	DOL	x					x		96090213
DW .100.39.3	3 x 400	DOL			x				x	96090242
DW .100.39.3	3 x 400	DOL			x		x			96090298
DW .100.39.A3	3 x 400	DOL			x				x	96090257
DW .100.39.3	3 x 230	DOL	x				x			96090282
DW .100.39.A3	3 x 230	DOL	x				x			96090283
DW .100.66.3	3 x 400	DOL	x					x		96090214
DW .100.66.A3	3 x 400	DOL	x					x		96090215
DW .100.66.3.H	3 x 400	DOL	x					x		96090232
DW .100.66.3A.H	3 x 400	DOL	x					x		96090233
DW .100.66.3.H	3 x 400	DOL			x				x	96090243
DW .100.66.3	3 x 400	DOL			x				x	96090244
DW .100.66.A3	3 x 400	DOL			x				x	96090259
DW .100.66.3.H	3 x 400	DOL			x		x			96090303
DW .100.66.3	3 x 400	DOL			x		x			96090304
DW .100.66.A3.H	3 x 400	DOL			x				x	96090258

* With motor protection, CEE-plug, phase sequence tester and phase inverter.

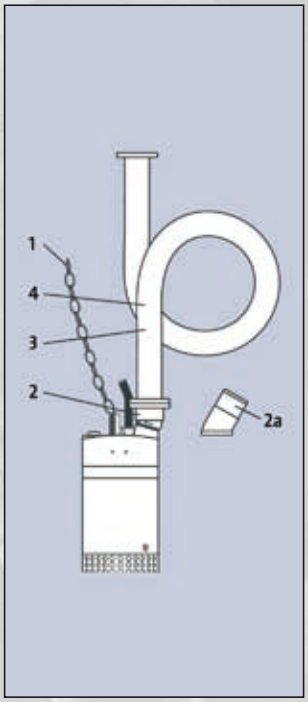
Pump type	Voltage [V]	Starting	Electrical connection				Discharge connection			Product number
			No plug	Schuko plug	Motor starter*	Prepared for external control box	Hose connection	Threaded	Storz coupling half	
DW .100.66.3	3 x 230	DOL	x				x			96090284
DW .100.66.A3	3 x 230	DOL	x				x			96090285
DW .100.66.3.H	3 x 230	DOL	x				x			96090286
DW .100.66.3A.H	3 x 230	DOL	x				x			96090287
DW .100.110.3.H	3 x 400	DOL	x					x		96090216
DW .100.110.A3.H	3 x 400	DOL	x					x		96090217
DW .100.110.3.H	3 x 400	Y/D	x					x		96090220
DW .100.110.A3.H	3 x 400	Y/D	x					x		96090221
DW .100.110.3.H	3 x 400	DOL			x				x	96090245
DW .100.110.3.H	3 x 400	Y/D	x						x	96090247
DW .100.110.A3.H	3 x 400	DOL			x				x	96090260
DW .100.110.3.H	3 x 400	DOL			x		x			96090305
DW .100.110.3.H	3 x 400	DOL	x			x		x		96090324
DW .100.110.3.H	3 x 230	DOL	x				x			96090288
DW .100.110.A3.H	3 x 230	DOL	x				x			96090289
DW .100.200.3.H	3 x 400	DOL	x					x		96090224
DW .100.200.A3.H	3 x 400	DOL	x					x		96090225
DW .100.200.3.H	3 x 400	Y/D	x					x		96090228
DW .100.200.A3.H	3 x 400	Y/D	x					x		96090229
DW .100.200.3.H	3 x 400	DOL	x			x			x	96090249
DW .100.200.3.H	3 x 400	Y/D	x			x			x	96090251
DW .100.200.3.H	3 x 400	DOL	x						x	96090268
DW .100.200.3.H	3 x 400	DOL	x			x	x			96090306
DW .100.200.3.H	3 x 400	Y/D	x						x	96090270
DW .150.110.3	3 x 400	DOL	x					x		96090218
DW .150.110.A3	3 x 400	DOL	x					x		96090219
DW .150.110.3	3 x 400	Y/D	x					x		96090222
DW .150.110.A3	3 x 400	Y/D	x					x		96090223
DW .150.110.3	3 x 400	DOL			x				x	96090246
DW .150.110.3	3 x 400	Y/D	x			x			x	96090248
DW .150.110.A3	3 x 400	DOL			x				x	96090261
DW .150.110.3	3 x 400	DOL	x			x		x		96090273
DW .150.110.3	3 x 400	DOL			x		x			96090307
DW .150.110.3	3 x 230	DOL	x				x			96090292
DW .150.110.A3	3 x 230	DOL	x				x			96090293
DW .150.200.3	3 x 400	DOL	x					x		96090226
DW .150.200.A3	3 x 400	DOL	x					x		96090227
DW .150.200.3	3 x 400	Y/D	x					x		96090230
DW .150.200.A3	3 x 400	Y/D	x					x		96090231
DW .150.200.3	3 x 400	DOL	x			x			x	96090250
DW .150.200.3	3 x 400	Y/D	x			x			x	96090252
DW .150.200.3	3 x 400	DOL	x						x	96090269
DW .150.200.3	3 x 400	DOL				x	x			96090308
DW .150.200.3	3 x 400	Y/D	x						x	96090271
Pumps with polypropylene pump sleeve										
Single-phase pumps										
DW .50.08.1	1 x 230	DOL		x					x	96090200
DW .50.08.A1	1 x 230	DOL		x					x	96090201
DW .50.08.1	1 x 230	DOL	x					x		96090234
DW .50.08.A1	1 x 230	DOL	x					x		96090235
DW .50.08.1	1 x 230	DOL		x			x			96090296
DW .50.08.A1	1 x 230	DOL		x			x			96090297
Three-phase pumps										
DW .50.08.3	3 x 400	DOL			x				x	96090202
DW .50.08.A3	3 x 400	DOL			x				x	96090203
DW .50.08.3	3 x 400	DOL	x					x		96090236
DW .50.08.A3	3 x 400	DOL	x					x		96090237
DW .50.08.3	3 x 230	DOL	x				x			96090274
DW .50.08.A3	3 x 230	DOL	x				x			96090275

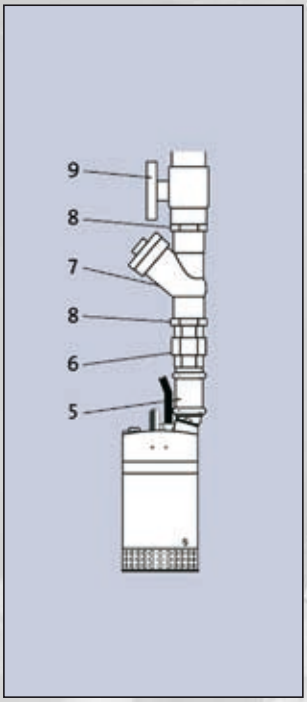
* With motor protection, CEE-plug, phase sequence tester and phase inverter.

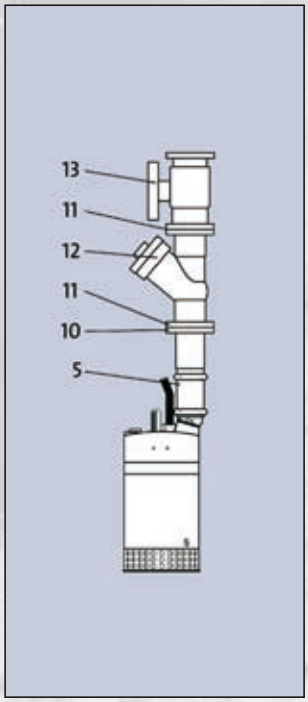
Accessories

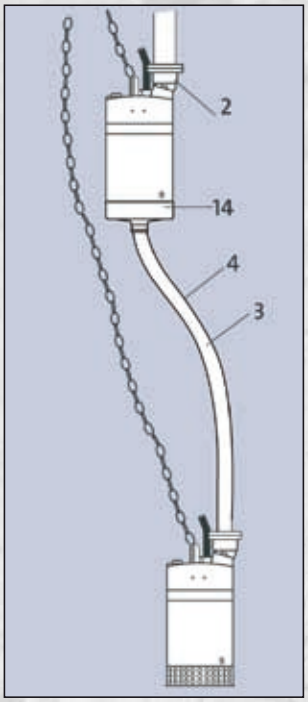
Accessories			Pump type					Product number
Pos.	Description	Dimensions	DW.50.08	DW.50	DW.65	DW.100	DW.150	
1	Chain with shackle - galvanized	10 m	X	X	X	X	X	96 00 20 13
		6 m	X	X	X	X	X	96 00 36 33
		3 m	X	X	X	X	X	96 00 36 34
2	Coupling half, Storz coupling	Rp 2-2" hose	X	X				96 00 19 82
		Rp 2½-2" hose			X			96 00 19 83
		Rp 2½-3" hose			X			96 00 20 86
		Rp 4-4" hose				X		96 00 52 52
		Rp 6-6" hose					X	96 00 52 53
2a	Socket for hose connection	2"	X					96 00 52 18
		2"		X				96 00 60 95
		3"			X			96 00 60 96
		4"			X (DW.65.39)	X (DW.100.39)		96 00 60 97
		4"				X (DW.100.66)		96 00 50 49
		4"				X (DW.100.100 & 200)	X	96 00 49 91
		6"				X (DW.100.110 & 200)	X	96 00 60 98
3	10 m flat hose, incl. Storz couplings	2"	X	X				96 00 19 87
		3"			X			96 00 52 54
		4"				X		96 00 52 55
		6"					X	96 00 52 56
4	20 m flat hose, incl. Storz couplings	2"	X	X				96 00 52 57
		3"			X			96 00 52 59
		4"				X		96 00 52 60
		6"					X	96 00 52 61
5	Bushing for pipe connection	Rp 2-2"	X	X				96 00 52 62
		Rp 2½-2"			X			96 00 52 63
		Rp 2½-3"			X			96 00 52 64
		Rp 4-4"				X		96 00 52 65
6	Union	Rp 2"	X	X				96 00 52 66
		Rp 2½"			X			96 00 52 67
		Rp 3"			X			96 00 52 68
7	Non-return valve, cast iron, ball-type valve	Rp/Rp 2"	X	X				96 00 20 02
		Rp/Rp 2½"			X			96 00 20 03
		Rp/Rp 3"			X			96 00 20 04
8	Hexagon head screw	R/R 2"	X	X				96 00 19 93
		R/R 2½"			X			96 00 19 94
		R/R 3"			X			96 00 19 95
9	Isolating valve, brass	Rp/Rp 2"	X	X				96 00 20 05
		Rp/Rp 2½"			X			96 00 20 06
		Rp/Rp 3"			X			96 00 20 07
10	Threaded flange	Rp 2½"			X			96 00 19 96
		Rp 3"			X			96 00 19 97
		Rp 4"				X		96 00 33 36
11	Gasket, bolts and nuts	4 of each M16 x 65 mm DN 65			X			96 00 19 98
		8 of each M16 x 65 mm DN 80			X			96 00 19 99
		8 of each M16 x 65 mm DN 100				X		96 00 38 23
		8 of each M20 x 75 mm DN 150					X	96 00 36 05

Accessories			Pump type					Product number
Pos.	Description	Dimensions	DW.50.08	DW.50, 07/09	DW.65	DW.100	DW.150	
12	Non-return valve, cast iron, ball-type valve	DN 65			X			96 00 20 08
		DN 80			X			96 00 20 09
		DN 100				X		96 00 20 85
		DN 150					X	96 00 34 23
13	Isolating valve, cast iron	DN 65			X			96 00 20 10
		DN 80			X			96 00 20 11
		DN 100				X		96 00 20 12
		DN 150					X	96 00 34 27
14	Pump connector kit Connectors for two or more DW pumps operating in series	2"		X				96 47 20 79
		3"			X	X (DW.100.66)		96 47 21 00
		6"				X (DW.100.100), (DW.100.200)	X	96 47 21 01
	Flat suction kit		X					96 00 52 48
	Schuko plug		X	X				96 00 52 49
	CE plug with phase exchanger and on/off switch	2.5 - 4 A	X	X				96 00 52 50
		6.3 - 10 A			X (DW.65.27)			96 00 63 12
		10 - 16 A			X (DW.65.39)	X (DW.100.39), (DW.100.66)		96 00 52 51
		16 - 25 A				X (DW.100.110)	(DW.150.110)	96 00 52 36









Automatic **level control**

The Grundfos DW pumps incorporate a highly dependable and very efficient automatic level control system, which automatically controls pump operation as the water level varies.

STAND-BY/START

The pump with automatic level control will be in a stand-by position when power is switched on and the water level is low. When the water level rises, the air will escape and the water level compartment will be filled with water.

When water comes into contact with both lower and upper electrode in the water level compartment, an electric circuit will switch on the pump.

PUMPING WATER

The water level decreases when the pump operates, but due to the water pressure inside the pump, the rubber in the air valve will expand and close the valve. This maintains a high water level in the water level compartment and the pump continues to operate.

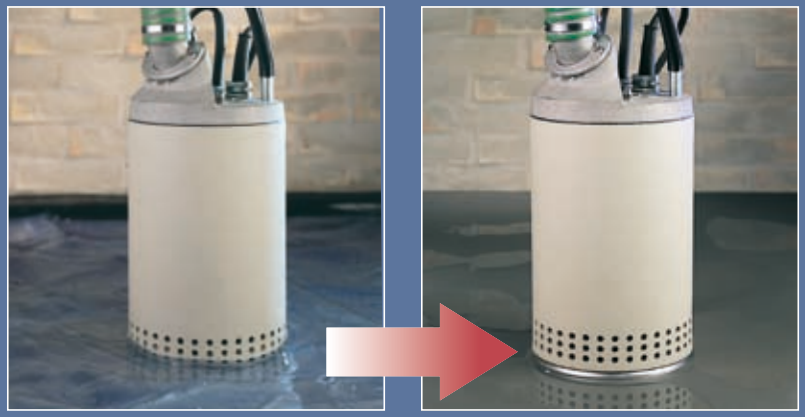
STOP

When the outside water level is below the suction strainer, the pump will start sucking air. Air will be sucked into the water level compartment through the rubber air valve, but as long as the lower electrode is in contact with water the pump will continue to operate.

When the water level in the electrode chamber falls to below the lower electrode, the electric circuit is broken and the pump stops.

Flat suction – an additional benefit

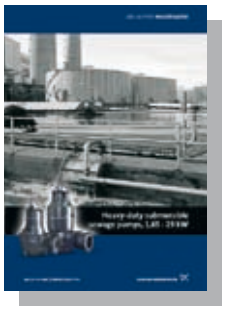
The model DW.50.08.A1 offers an additional benefit. A special flat suction valve that enables the pump to suck down to floor level is available as an accessory.

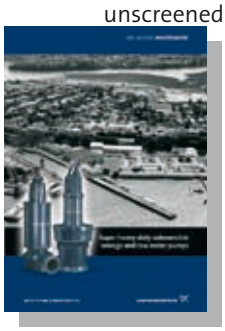


The Grundfos **wastewater range**

Heavy-duty submersible sewage pumps 1.65 - 29 kW

Brochure covers the Grundfos range of submersible channel-impeller pumps from 1.65 kW up to 21 kW and SuperVortex pumps up to 29 kW. All designed for handling unscreened raw sewage.



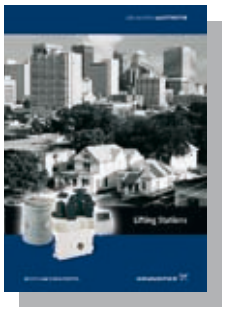


Super-heavy-duty submersible sewage and raw water pumps

Brochure covers the Grundfos range of super-heavy-duty channel pumps, axial flow pumps, and propeller pumps from 7.5 kW up to 520 kW.

The KP/AP stainless steel range

Brochure covers a wide range of high quality stainless steel pumps for a variety of domestic and commercial applications.



Lifting stations

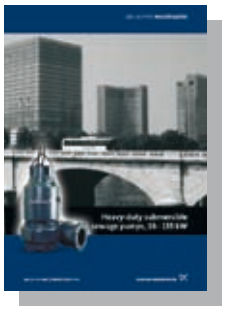
Brochure covers Grundfos lifting stations for individual as well as multi-user applications.

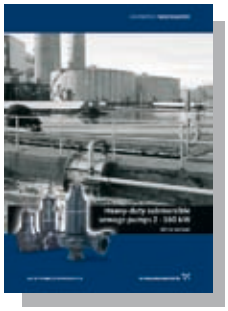
Mixers and flowmakers

Brochure covers the new range of mixers and flowmakers for optimal control of liquids and solids throughout the wastewater treatment process.

Heavy-duty submersible sewage pumps 15 - 155 kW

Brochure covers the Grundfos range of sewage pumps from 15 kW up to 155 kW for handling of raw sewage in heavy-duty applica-



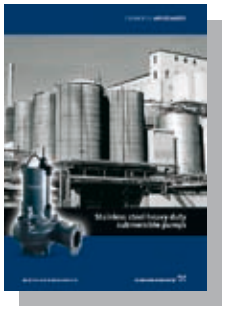


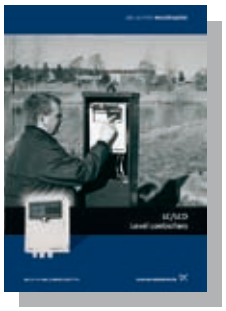
Heavy-duty submersible sewage pumps 2 - 160 kW

Brochure covers the Grundfos range of submersible sewage pumps from 2 - 160 kW designed to handle unscreened raw sewage.

Stainless steel heavy-duty submersible pumps

Brochure covers the Grundfos range of heavy-duty stainless steel pumps (SEN) for aggressive and corrosive environments.





LC/LCD level controllers

Brochure covers the Grundfos range of controls for the wastewater pumping systems.

Submersible sewage grinder pumps

Brochure covers the new Grundfos range of sewage grinder pumps-(SEG) for pumping of wastewater with toilet discharge.

BE > THINK > INNOVATE >

Being responsible is our foundation
Thinking ahead makes it possible
Innovation is the essence

Business with an attitude

Knowledge The sharing of knowledge, experience and expertise across our global network will always lead our business forward.

Innovation Combining the best technology with fresh ways of thinking, we will continue to develop even better pumps, systems, services and standards.

Solution With a complete product range, capable of providing every conceivable water solution, we are the most complete player on the market.

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