

GRUNDFOS WASTEWATER

Multilift M, MD, MDV, and MD1 ranges



BE > THINK > INNOVATE >

GRUNDFOS 

Grundfos Lifting Stations

Reduced costs and optimised efficiency

Grundfos offers a range of highly efficient, low-maintenance wastewater lifting stations for a multiple of applications. The lifting stations incorporate state-of-the-art technology and straight-forward thinking to provide simple solutions to complex problems.

All models have been designed to reduce operating and installation costs and optimise operating efficiency. The Grundfos range of lifting stations comprises a variety of models from small, one-source units to dual pump systems with volume capacities of up to 1,200 litres.

Unique customer benefits

The Grundfos lifting stations form part of a complete range of wastewater removal and sewage handling products. Like all Grundfos products the lifting stations offer unique customer benefits, making them the natural choice for any application.

› Compact

The Grundfos lifting stations are of a very compact design, easy to fit even where space is limited.

› Durable

Made of durable, non-corroding materials the Grundfos lifting stations are robust and virtually maintenance-free. All outside surfaces are smooth and easy to clean.

› Versatile

The Grundfos range comprises a model for every purpose. They are easy to install with easily accessible pipe connections.

› Handling of large volumes

The highly reliable Grundfos multilift stations are purpose designed for handling large volumes of wastewater and sewage in multiple-user applications.



The range

Multilift M



Multilift MD



Multilift M, one pump – tank capacity 100 litres

Multilift MD, two pumps – tank capacity 120 litres

Multilift MDV



Multilift MDV, two SuperVortex-impeller pumps
– tank capacity up to 1,200 litres

Multilift MD1



Multilift MD1, two single channel-impeller pumps
– tank capacity up to 1,200 litres

Grundfos Multilifts M and MD



Grundfos Multilift M and MD are designed for the removal of larger volumes of wastewater and sewage – for instance in blocks of flats, small hotels, restaurants or other building complexes. The Multilift stations are designed specially for the collection and pumping of wastewater and raw sewage from wastewater pipes and water closets situated below the sewer level. The Multilift stations lift the wastewater and sewage and carry it forward to the sewer line.



Customer benefits

- **Complete units ready for installation**
- **Gas and odour-proof**
- **Corrosion resistant**
- **Low-noise operation**
- **Shock and break-proof polyethylene tank**

Multilift M

Equipped with one pump and with a tank capacity of 100 litres, Multilift M is ideally dimensioned for one-family homes or smaller commercial buildings. The Multilift M is available in seven different models with output power ranging from 1.2 to 3.2 kW.

Multilift MD

With two pumps and a tank capacity of 120 litres, the Multilift MD is ideal for multi-family homes or commercial building projects where the additional capacity and the operational security offered by a two-pump system is advantageous. Multilift MD is available in five different models with output power ranging from 1.5 to 3.2 kW.

Pumped liquids

The Multilift M and MD stations are suitable for handling wastewater and other liquids containing solids, such as fibres, textiles, and faeces, with a pH value of 4 to 10.

The Multilift M and MD are capable of handling liquid temperatures between 0 and +40°C, for short periods of time up to +60°C.

Tank volume

	M		MD	
Inlet level [mm]	180	250	180	250
Tank capacity [l]	100	100	120	120
Effective volume [l]	54	74	72	92

Ready to install

The Grundfos Multilift M and MD stations are supplied as complete units ready for installation. The units consist of one or two vortex impeller pumps fully integrated with the collecting tank. Solutions for single or three-phase power supply are available.

The Multilift M and MD stations are supplied complete with all necessary flexible connections for inlet, discharge and ventilation pipes. The Multilift M and MD have polypropylene level sensor unit with built-in pressure switches.

An LC 109 controller for Multilift M and an LCD 109 controller for Multilift MD are supplied with the units.

Multilift M and MD are fitted with a DN 80 mm vertical discharge port with a non-return flap valve. The Multilift MD model is fitted with two non-return flap valves and a breeches pipe. The collecting tank is made of non-breakable, non-corrosive, airtight polyethylene. It is completely watertight as well as gas and odour proof.



- 1 Motor/pump
- 2 Non-return valve
- 3 Level sensor
- 4 Collecting tank

Grundfos Multilift Stations M and MD

Electrical data, type designation and product numbers

Multilift	Inlet level [mm]	Power output P ₂ [kW]	Number of poles	Plug type		Voltage [V]	Weight [kg]	Product number
				Schuko plug	CEE plug			
M.12.1.4	180 and 250	1.2	4	●		1 x 230	39.0	96075436
M.12.3.4		1.2	4		●	3 x 230	37.5	96075442
						3 x 400	36.6	96075441
M.15.1.4		1.5	4	●		1 x 230	41.5	96075443
M.15.3.4		1.5	4		●	3 x 230	39.5	96075445
						3 x 400	38.5	96075444
M.22.3.4		2.2	4		●	3 x 230	41.5	96075447
						3 x 400	41.5	96075438
M.24.3.2		2.4	2		●	3 x 230	41.5	96075449
						3 x 400	41.5	96075457
M.32.3.2		3.2	2		●	3 x 230	41.5	96477864
						3 x 400	41.5	96477865
MD.15.1.4		1.5	4	●		1 x 230	80.5	96075450
MD.15.3.4		1.5	4		●	3 x 230	76.0	96075452
						3 x 400	76.0	96075437
MD.22.3.4		2.2	4		●	3 x 230	80.0	96075454
						3 x 400	80.0	96075439
MD.24.3.2		2.4	2		●	3 x 230	79.5	96075456
	3 x 400					79.5	96075455	
MD.32.3.2	3.2	2		●	3 x 230	79.5	96477867	
					3 x 400	79.5	96477866	



Inspection cover with integrated level sensor unit



Motor/pump and non-return valve with hose connection



Optional vertical or horizontal inlet connections

Technical data

Discharge connection: DN 80 flange
with 110 mm socket
for flexible connection

Inlet connections: 3 x DN 100
1 x DN 150
1 x DN 50

Connection for venting: 1 x DN 75

Connection for manually
operated diaphragm pump: DN 50

Sound pressure level: <64 dB (A)

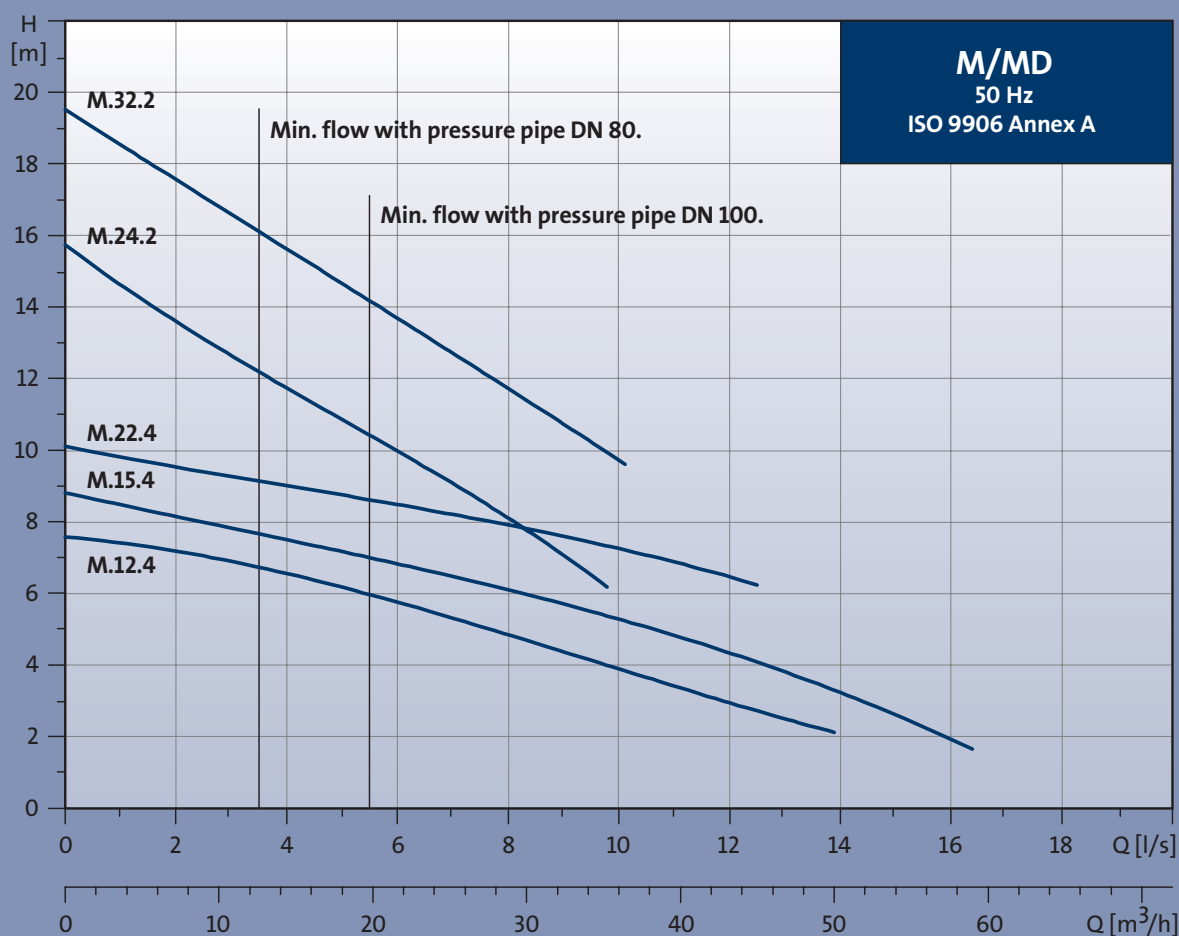
Type key

The type key is used to interpret the letters and figures in the product type designation:

Example	M	D	.22	.3	.4
Type range (Multilift)					
Blank = one pump					
D = two pumps					
Power output, $P_2/100$ (W)					
1 = single-phase					
3 = three-phase					
2 = 2-pole motor					
4 = 4-pole motor					

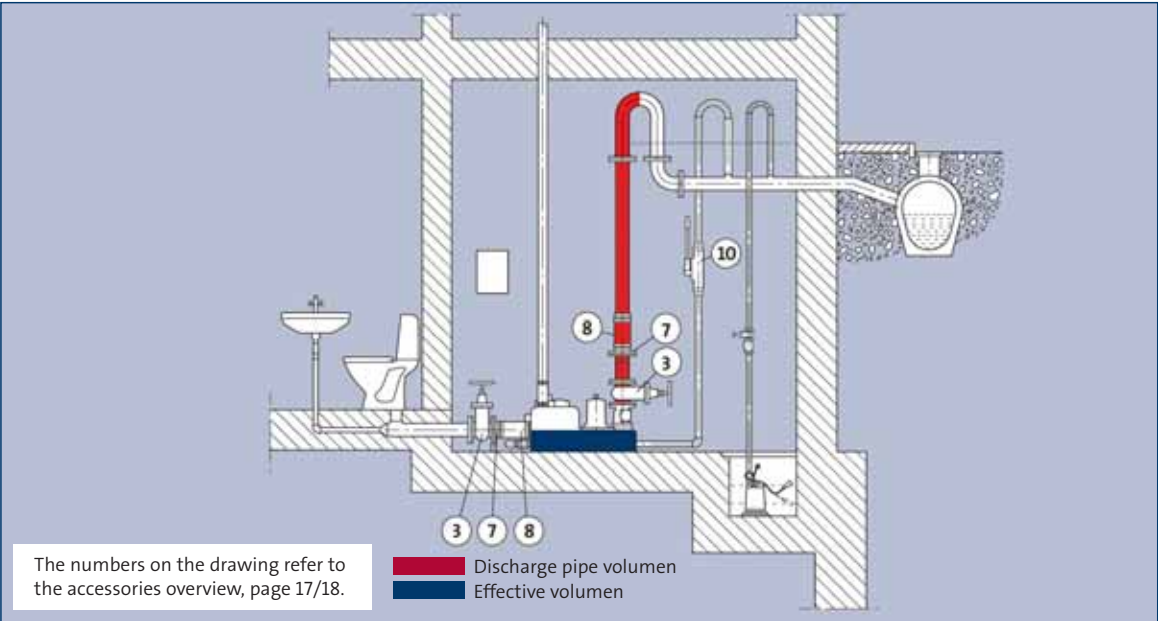
Performance

The performance curves show pump performance with only one pump in operation and the minimum recommended flow to avoid sedimentation in the pipe system.



Grundfos Multilifts M and MD

Installation



Multilift	Inlet height	Nominal pipe diameter	
		80 mm	100 mm
Single unit	180 mm	12 m	7.6 m
	250 mm	16 m	10 m
Double unit	180 mm	16 m	10 m
	250 mm	20 m	12.6 m

The table shows the max. discharge pipe length.

The Grundfos Multilift M and MD are ideally suited for installation below existing sewer level. The Multilift M and MD are supplied complete with all necessary flexible connections, clamps, bolts and nuts, anchor bolts for fixing to the floor, and a controller with a 3 m cable for automatic operation.

Before installing the Multilift M and MD, ensure that all local regulations covering access to the stations, venting, etc. are observed.

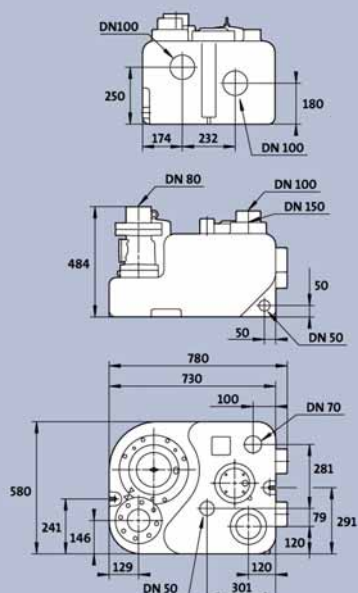
The volume of the sewage in the vertical discharge pipe may not exceed the volume effective of the Multilift tank!

Optional inlet connections

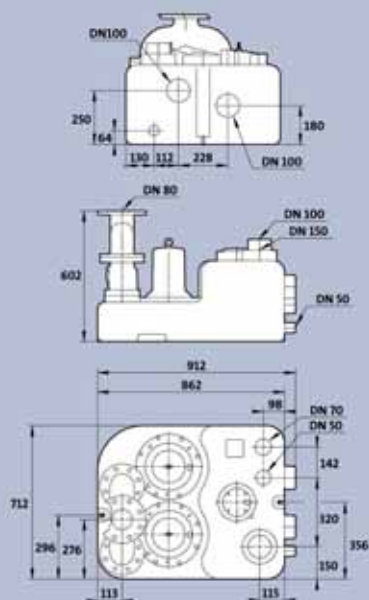
The Grundfos Multilift M and MD offer the following optional inlet connection facilities:

Position of inlet port		For the connection of	DN
Horizontally	180 mm above floor level	Euro-standardised water closets	100
	250 mm above floor level	Wall mounted water closets	100
Vertically	At the top of the tank	Various types of drain pipes	100/150
		Drain pipe from wash-basin, shower, etc.	50

Dimensions



Multilift M



Multilift MD

Controllers



The LC 109 and LCD 109 controllers are designed for the control of Multilift M and MD stations. The controllers incorporate all necessary components such as contactors, control board with lights for indication of operating condition and alarms.

Control features

The LC 109 and LCD 109 controllers are designed for direct on-line starting (DOL). In addition, the controllers provide a number of control features, such as:

- Control of one or two pumps based on signals from the level sensor in the tank.
- Automatic pump changeover (alternation).
- Deselection of automatic test run during long periods of inactivity (every 24 hours).
- Battery back-up in case of mains supply failure.
- Starting delay within a range from 0 to 255 sec. (random) after returning from battery operation to mains operation.
- Selection of automatic alarm resetting.
- Selection of automatic restarting.
- Setting of stop delays matching the actual operating conditions.
- Indication of liquid level.
- Alarm indication of high liquid level, high motor temperature, wrong phase sequence, mains supply failure, and faulty pressure switch assembly.

Grundfos Multilift MDV and MD1

The Grundfos Multilift stations MDV and MD1 are high-capacity low-noise units designed for handling large volumes of wastewater and sewage, for instance in apartment blocks, hotels, hospitals, schools, and other public buildings as well as in industry.

Designed for placement below main sewer level, the Multilift stations MDV and MD1 collect the sewage, lift it and carry it forward to the sewer system.



Customer benefits

- Highly efficient, reliable pumps
- Gas and odour-proof
- Corrosion-free collecting tanks
- Complete package ready for assembly
- Straightforward installation
- Large volume capacity
- Possibility of parallel coupling of up to 3 tanks

Highly efficient pumps

The Multilift stations MD1 and MDV are large-volume lifting stations with one or two 400-litre collection tanks, and two horizontally installed, highly efficient sewage pumps. The lifting stations are supplied as a complete package, ready for on-site assembly.

Multilift type MD1 is fitted with two Grundfos SE1 channel-impeller pumps. Multilift type MDV is fitted with two Grundfos SEV SuperVortex-impeller pumps.

The Grundfos SE1 and SEV pumps are technologically very advanced pumps, which allow for free passage of solids up to 80 mm. This greatly reduces the risk of clogging and ensures maximum up-time and low operating costs.

Primary and secondary mechanical shaft seals are fitted in one easy-to-replace compact cartridge unit. The pumps feature liquid-less motor cooling and quick-detachable motor units. This allows for trouble-free operation and easy servicing.

A Grundfos LCD 110 pump controller is supplied with the units.

Pumped liquids

The Multilift MDV and MD1 are suitable for handling wastewater and other liquids containing solids up to 100 mm (for instance fibres, textiles, and faeces) with a pH value of 4 - 10.

Suitable for liquid temperatures between 0 and +40°C, for short periods of time up to +60°C.

Tank volume

Number of tanks	1	2	3
Total volume (l)	400	800	1200
Effective volume (l)	150	300	450
Max. inflow (l/sec.)	7.2	14.5	22.0



- 1 Two highly efficient Grundfos SE1 or SEV pumps
- 2 Non-return valve
- 3 Level sensor
- 4 One or two 400-litre collecting tank(s)
- 5 Grundfos LCD 110 pump controller
- 6 Connections for additional 400-litre tank

Grundfos Multilift MDV and MD1

Collecting tank

The 400-litre collecting tank is made from gas and odour-tight polyethylene. The tanks have five Ø150 mm horizontal inlets, one Ø100 mm vertical inlet, one Ø70 mm vent pipe connection, two Ø100 mm pump connections, and one Ø50 mm connection for a manually operated diaphragm pump.

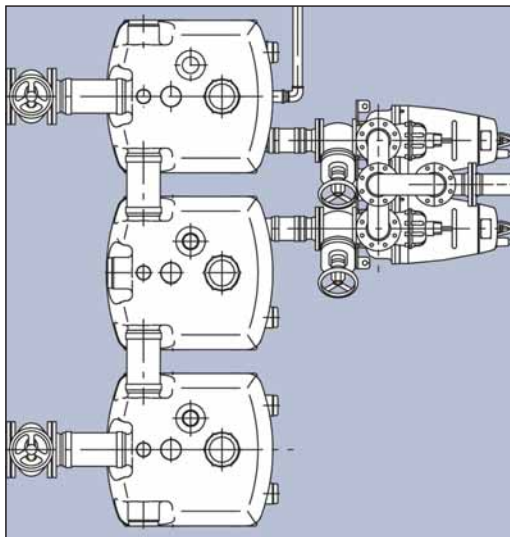
All necessary flexible connections and clamps are included.

Parallel coupling of tanks

For parallel connection of two collection tanks, flexible connections are supplied together with the tanks. If a third tank is to be connected, the appropriate flexible connections are supplied together with this tank. Connection is made through the Ø150 mm connections at the top and bottom on both sides of the tank, providing a total tank volume of 800 or 1200 litres, respectively.

Parallel coupling of three tanks

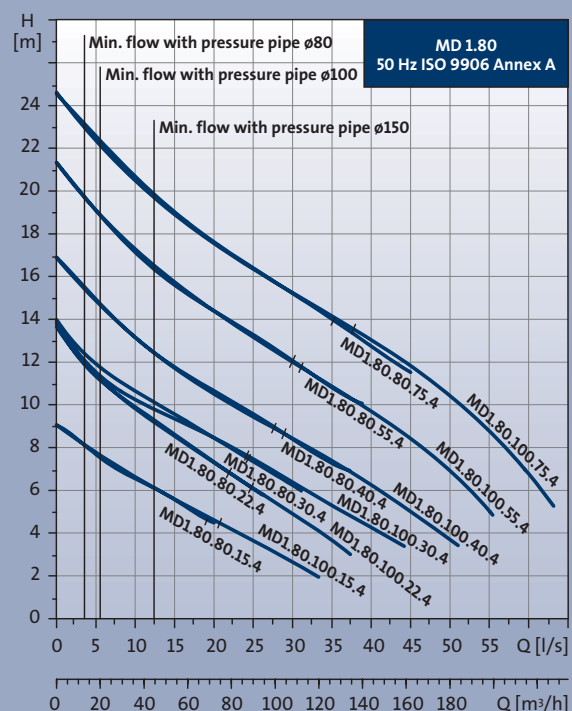
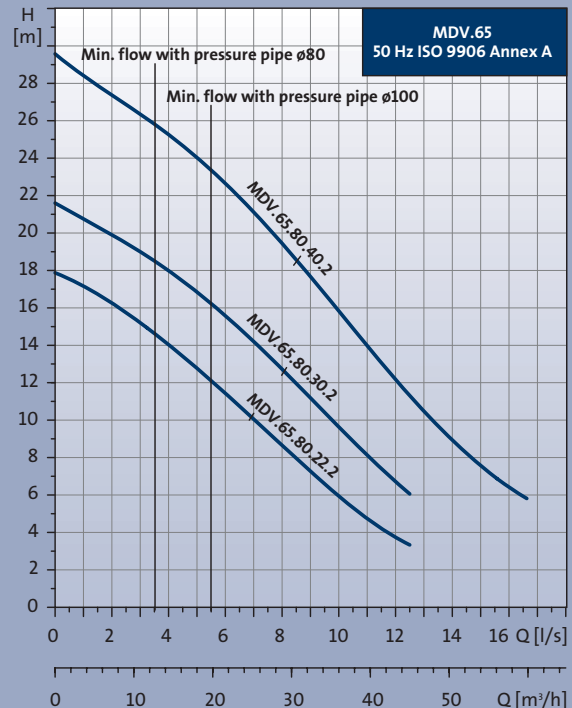
If three tanks are coupled in parallel, the Ø150 mm inlet pipe must always be connected to the third collecting tank. In order to avoid sedimentation, this tank must be without a pump in order to serve as a collecting tank as well as a through-flow tank.



Parallel coupling of three tanks.

The third collection tank is available as an accessory. It is supplied with all the necessary flexible connections, clamps and anchor bolts.

Performance



Electrical data, type designation and product numbers MDV

Multilift type	Product number	Number of tanks	P _{1t} [kW]	P _{2t} [kW]	n _t min ⁻¹	Voltage [V]	Starting method	I _{1/2t} [A]	I _{startt} [A]
MDV.65.80.22.2	96102274	1	2.8	2.2	2895	3x380-415	D.O.L.	5.0	37
MDV.65.80.22.2	96102275	1	2.8	2.2	2895	3x220-240	D.O.L.	8.7	64
MDV.65.80.30.2	96102276	1	3.8	3.0	2910	3x380-415	D.O.L.	6.6	51
MDV.65.80.30.2	96102277	1	3.8	3.0	2910	3x220-240	D.O.L.	11.4	88
MDV.65.80.40.2	96102278	1	4.8	4.0	2925	3x380-415	Y/D start	8.6	71
MDV.65.80.40.2	96102279	1	4.8	4.0	2925	3x220-240	Y/D start	14.9	123

Electrical data, type designation and product numbers MD1

Multilift type	Product number	Number of tanks	P _{1t} [kW]	P _{2t} [kW]	n _t min ⁻¹	Voltage [V]	Starting method	I _{1/2t} [A]	I _{startt} [A]
MD1.80.80.15.4	96102280	1	2.1	1.5	1435	3x380-415	D.O.L.	4.2	22
MD1.80.80.15.4	96102281	1	2.1	1.5	1435	3x220-240	D.O.L.	7.3	38
MD1.80.80.22.4	96102282	1	2.9	2.2	1445	3x380-415	D.O.L.	5.9	32
MD1.80.80.22.4	96102283	1	2.9	2.2	1445	3x220-240	D.O.L.	10.2	55
MD1.80.80.30.4	96102284	1	3.7	3.0	1455	3x380-415	D.O.L.	7.8	43
MD1.80.80.30.4	96102285	1	3.7	3.0	1455	3x220-240	D.O.L.	13.4	74
MD1.80.80.40.4	96102286	1	4.9	4.0	1460	3x380-415	Y/D start	10.0	67
MD1.80.80.40.4	96102287	1	4.9	4.0	1460	3x220-240	Y/D start	17.2	116
MD1.80.80.55.4	96102288	1	6.5	5.5	1455	3x380-415	Y/D start	13.4	87
MD1.80.80.55.4	96102289	1	6.5	5.5	1455	3x220-240	Y/D start	23.2	150
MD1.80.80.75.4	96102290	1	9.0	7.5	1455	3x380-415	Y/D start	17.3	107
MD1.80.80.75.4	96102291	1	9.0	7.5	1455	3x220-240	Y/D start	29.9	185
MD1.80.100.15.4	96102292	2	2.1	1.5	1435	3x380-415	D.O.L.	4.2	22
MD1.80.100.15.4	96102293	2	2.1	1.5	1435	3x220-240	D.O.L.	7.3	38
MD1.80.100.22.4	96102294	2	2.9	2.2	1445	3x380-415	D.O.L.	5.9	32
MD1.80.100.22.4	96102295	2	2.9	2.2	1445	3x220-240	D.O.L.	10.2	55
MD1.80.100.30.4	96102296	2	3.7	3.0	1455	3x380-415	D.O.L.	7.8	43
MD1.80.100.30.4	96102297	2	3.7	3.0	1455	3x220-240	D.O.L.	13.4	74
MD1.80.100.40.4	96102298	2	4.9	4.0	1460	3x380-415	Y/D start	10.0	67
MD1.80.100.40.4	96102299	2	4.9	4.0	1460	3x220-240	Y/D start	17.2	116
MD1.80.100.55.4	96102300	2	6.5	5.5	1455	3x380-415	Y/D start	13.4	87
MD1.80.100.55.4	96102301	2	6.5	5.5	1455	3x220-240	Y/D start	23.2	150
MD1.80.100.75.4	96102302	2	9.0	7.5	1455	3x380-415	Y/D start	17.3	107
MD1.80.100.75.4	96102303	2	9.0	7.5	1455	3x220-240	Y/D start	29.9	185



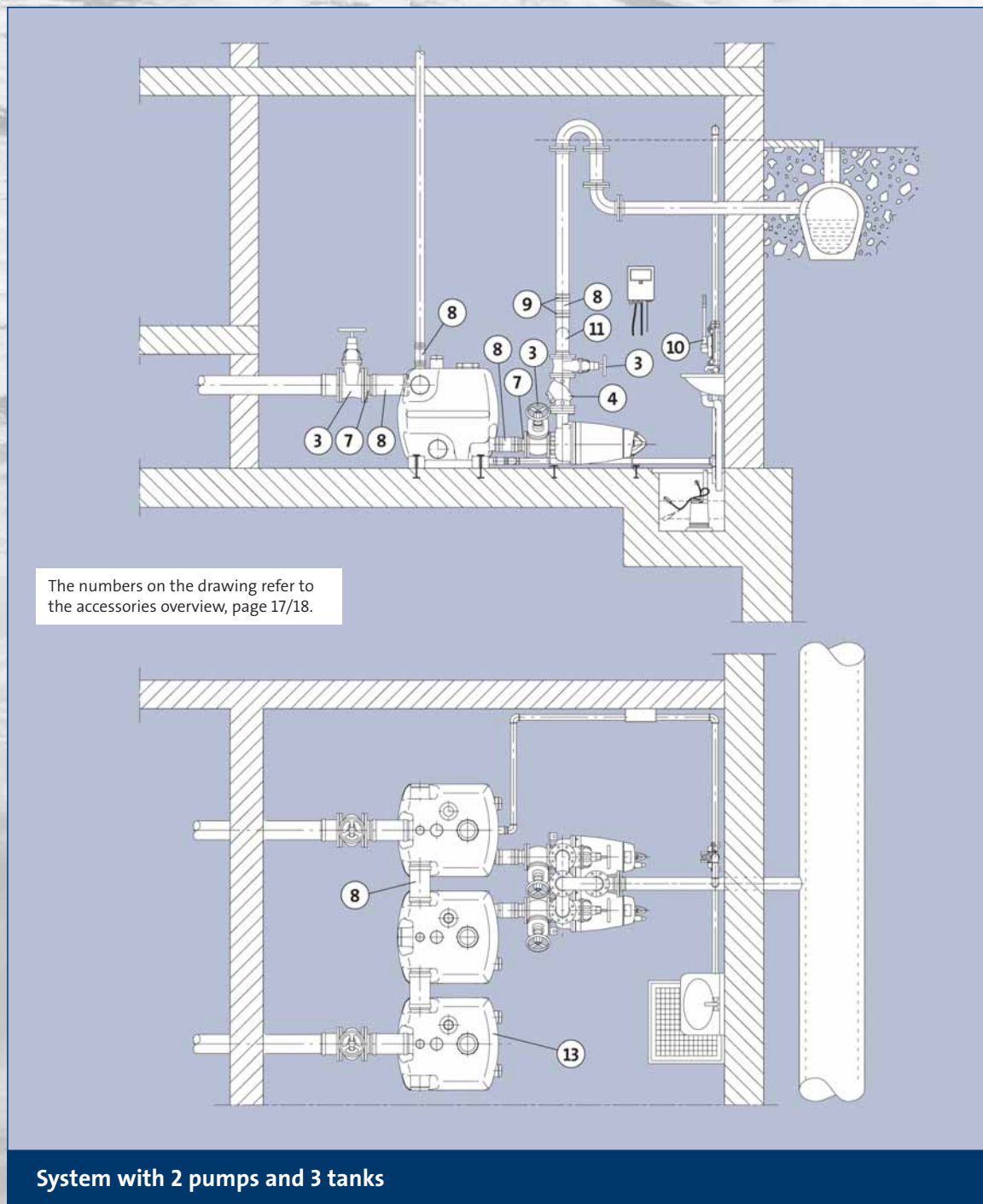
Multilift MD1, single 400-litre tank.



Multilift MDV, two 400-litre tanks connected in parallel.

Grundfos Multilift MDV and MD1

Installation



All pipe connections to the multilift station must be carried out with noise-absorbing flexible connections, and all pipes in connection with the lifting station must be supported in such a way that they do not stress the station.

[illegible]

Multilift Stations MDV and MD1

Pump type	A	B	C	D	E	Flange	
						F	G
MD1.80.80.15-22	2001	190	723	472	100	DN 80	DN 100
MD1.80.80.30-55	2098	190	820	519	118	DN 80	DN 100
MD1.80.80.75	2154	190	876	528	118	DN 80	DN 100
MD1.80.100.15-22	2001	190	723	472	112	DN 100	DN 100
MD1.80.100.30-55	2098	190	820	519	118	DN 100	DN 100
MD1.80.100.75	2154	190	876	528	118	DN 100	DN 100
MDV.65.80.22-30	1994	180	726	447	103	DN 80	DN 80
MDV.65.80.40	2059	180	791	476	106	DN 80	DN 80

Code	Example	M	D	1	.80	.100	.15	.4	.5	OD/	400	-2	
M	Type range: Multilift station												
D	Number of pumps: Two pumps												
1	Impeller type: Single-channel impeller												
V	Vortex impeller (SuperVortex)												
80	Spherical passage: Maximum solids size [mm]												
80	Pump discharge port: Nominal diameter of pump discharge port [mm]												
40	Power: Motor power output P ₂ /100 [W]												
2	Number of poles: 2-pole, 3000 min ⁻¹ , 50 Hz												
4	4-pole, 1500 min ⁻¹ , 50 Hz												
5	Frequency: 50 Hz												
OD	Voltage and starting method: 380 - 415 V, DOL, 50 Hz												
1D	380 - 415 V, Y/D, 50 Hz												
0E	220 - 240 V, DOL, 50 Hz												
1E	220 - 240 V, Y/D, 50 Hz												
400	Size of collecting tank: Number of litres												
[]	Number of collecting tanks: One tank												
2	Two tanks												

Grundfos Controller LCD 110

The Grundfos LCD 110 is a two-pump controller designed for level control and monitoring of the Grundfos Multilift MDV and MD1 as well as motor protection of the Multilift pumps.

The LCD 110 controller is fitted in a waterproof cabinet suitable for wall mounting.

The Grundfos LCD 110 responds to signals from electrodes. The operating conditions (pump failure, high-level alarm, phase sequence, and operation) are indicated by indicator lights on the front panel. A sound alarm can be given in case of system failure.



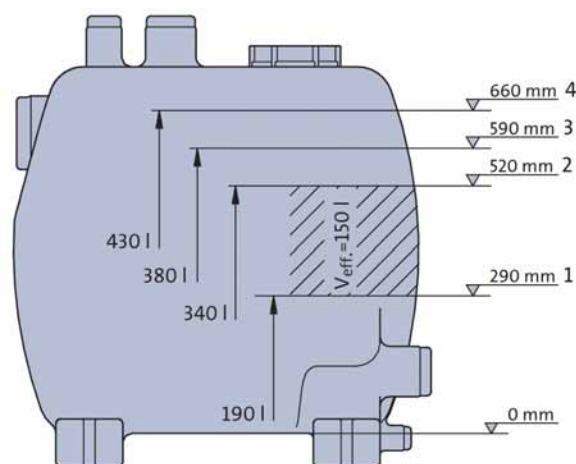
As a standard, the Grundfos LCD 110 has one alarm output for common alarm and one alarm output for separate high-level alarm. The level switch is factory set to stop the system before air enters the pumps.

In addition to the indicator lights, the following functions are available on the controller:

- Function selector with positions: Man., 0 and Aut.
- On/off switch for built-in buzzer
- Reset button for motor starter

The LCD 110 controller automatically ensures an even distribution of operating hours on the two pumps. This is achieved by changing the starting sequence after each pump stop (alternation).











A back-up battery maintaining the alarm signal in case of supply failure is available as an accessory. Fitted inside the controller via a plug, the battery ensures that an alarm can be given within 15 hours after the electricity supply has been switched off.











Pos.	Description
1	Common stop
2	Start of the first pump
3	Start of the second pump
4	High-level alarm

Accessories

A range of accessories is available for the Grundfos Multilift Stations. The accessories must be ordered separately.

No.	Picture	Accessories		Pump type		Product number
		Description	Dimensions	M/MD	MDV/MD1	
1		Flanged socket for PVC pipe	DN 150		.	96 00 37 01
2		Bolts, nuts and gasket, 8 of each 16 x 65mm Bolts, nuts and gasket, 8 of each 16 x 65mm Bolts, nuts and gasket, 8 of each 20 x 75mm	DN 80	.	.	96 00 19 99
			DN 100	.	.	96 00 38 23
			DN 150		.	96 00 36 05
3		Isolating valve	DN 80	.	.	96 00 20 11
			DN 100	.	.	96 00 20 12
			DN 150	.	.	96 00 34 27
4		Non return valve cast-iron ball-type PN10	DN 80		.	96 00 20 09
			DN 100		.	96 00 20 85
5		Non-return flap valve, cast-iron with flange, with free shaft end for external lever and weight. Cast-iron, epoxy-coated.	DN 80		.	96 11 65 11
			DN 100		.	96 11 65 12
6		External lever and weight kit. Steel, epoxy coated.	DN 80		.	96 11 65 33
			DN 100		.	96 11 65 34
7		Flange/hose unit	DN 80/80	.	.	96 47 78 93
			DN 80/100	.	.	96 07 53 63
			DN 100/100	.	.	96 47 78 94
			DN 150/150	.	.	96 47 78 95
8		Flexible connecting piece	Ø53	.	.	96 47 29 43
			Ø75	.	.	96 07 54 23
			Ø110	.	.	96 07 54 22
			Ø160	.	.	96 47 30 60
9		Clamp	Ø53	.	.	96 07 54 27
			Ø75	.	.	96 07 54 26
			Ø110	.	.	96 07 54 25
			Ø160	.	.	96 47 30 61
10		Manually operated diaphragm pump	1 1/2"		.	96 00 37 21
11		Breeches pipe	DN 80/80		.	96 00 37 04
			DN 80/100		.	96 00 37 05
			DN 100/100		.	96 00 37 06
			DN 100/150		.	96 00 37 07

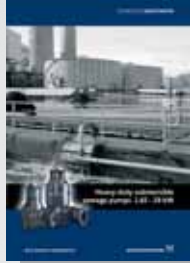
Accessories

No.	Accessories			Pump type		Product number
	Picture	Description	Dimensions	M/MD	MDV/MD1	
12		Cover plate for Multilift MD		•		96 47 78 96
13		Extra tank number 3 incl. two flexible connections, clamps and anchor bolts	400 l		•	96 00 37 18
14		Accumulator for controller, 9.6 V		•		96 00 25 20
15		Signal lamp		•	•	62 50 00 20
16		Signal horn	Indoors	•	•	62 50 00 22
			Outdoors	•	•	62 50 00 21
17		Hour counter	230 V	•		96 00 25 14
			400 V	•		96 00 25 15
18		Start counter	230 V	•		96 00 25 16
			400 V	•		96 00 25 17
19		Combined hour and start counter	230 V	•		96 00 25 18
			400 V	•		96 00 25 19
20		External main switch for supply cable	25 A	•	•	96 00 25 11
			40 A	•	•	96 00 25 12
			80 A		•	96 00 25 13

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.



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 applications.



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.



Portable dewatering pumps

Brochure covers the Grundfos range of portable dewatering pumps (DW) from 0.8 kW to 20 kW for pumping raw water with abrasives.

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.



Stainless steel heavy-duty submersible pumps

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



Mixers and flowmakers

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



LC/LCD level controls

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

Heavy-duty submersible sewage pumps 1.1 - 11 kW

This brochure describes the innovative SEV/SE1 pump lines. Fitted with SuperVortex or single-channel impellers, these pumps can meet approximately 80% of all wastewater pumping needs.



Submersible sewage grinder pumps

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



Heavy-duty submersible wastewater pumps 0.6 - 2.6 kW

Brochure covers the Grundfos range of submersible channel-impeller and SuperVortex-impeller pumps from 0.6 to 2.6 kW. Designed for handling drainage, effluent and sewage from private dwellings.



Grundfos submersible recirculation pumps

Brochure covers the Grundfos range of submersible recirculation pumps, SRP, designed for pumping sewage and sludge in wastewater treatment plants.

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.