

## Multi-Star DDP

### Product information for the product group



#### ACO Product benefits

- Low weight
- Different inlet heights
- CFD-optimised impeller
- High chemical resistance of all components
- Suitable for use downstream of grease separators
- Fast installation
- Ready to connect
- High usable volume – up to 185 l
- Adapted to door dimension: 780 mm

#### ■ Areas of use

- Downstream of grease separators up to NS 15 – in conjunction with air bubble injection
- Multiple dwelling units
- Office buildings, hotels
- Hospitals

#### ■ Tank made of polyethylene

- Bottom outlet R 1"
- Inspection opening for easy maintenance, diameter: 130 mm (DDP1), 130 mm and 250 mm (DDP2)
- Fixing set for buoyancy-proof anchorage
- Connection for manual diaphragm pump DN 50
- 2 horizontal inlet sockets, DN 100
- 4 horizontal inlet sockets, DN 150
- 2 vertical inlet sockets DN 100/DN 150/ DN 200
- 1 ventilation socket DN 70 (optional DN 100)

#### ■ Delivery line connection

- Special backflow valve with ball in the housing
- Y-branch pipe with vent and immobilising screw
- Special adapter DN 80 for elastic connection of the delivery line with 108 – 114.3 mm outside pipe diameter (optional 88 – 90 mm)
- Connecting flange for stop valve DN 80 PN 16

#### ■ 2 pump units

- 3-phase motor: 400 V, 50 Hz
- Degree of protection IP 68
- Integrated permanent motor monitoring
- Blockage-free free flow impeller
- 10 m connection cable

#### ■ Level switching

- Pneumatic level switching with 10 m control cable
- Optionally with air bubble injection (accessory)

#### ■ Control

- Degree of protection IP 54
- 1.5 m cable and CEE plug
- Isolated group alarm and operation signal

#### ■ Tested to EN 12050-1

### Item Technical Data 1202.00.02

Type	Motor power		Key data			Granulation	Usable volume			Total volume	Weight
	P1	P2	Power consumption	Voltage	Rev count		Inlet height Z1	Inlet height Z2	Top inlet		
	[kW]	[kW]	[A]	[V]	[U/min]		[l]	[l]	[l]	[l]	[kg]
Multi-Star DDP 1.2	3.45	3	10	400	2800	65	65	110	110	150	123

**Note:** The max. temperature may only be reached for a short time.

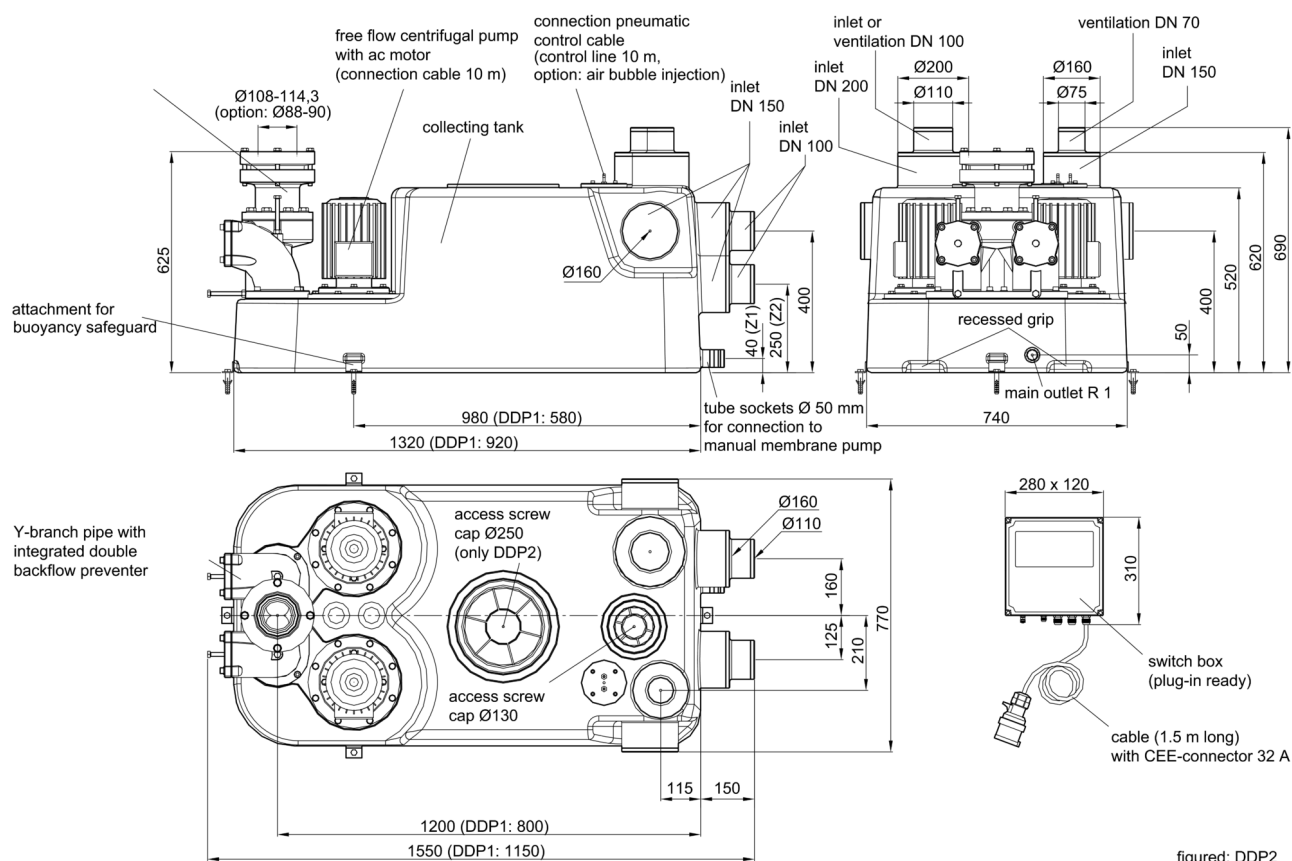
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## Dimensions



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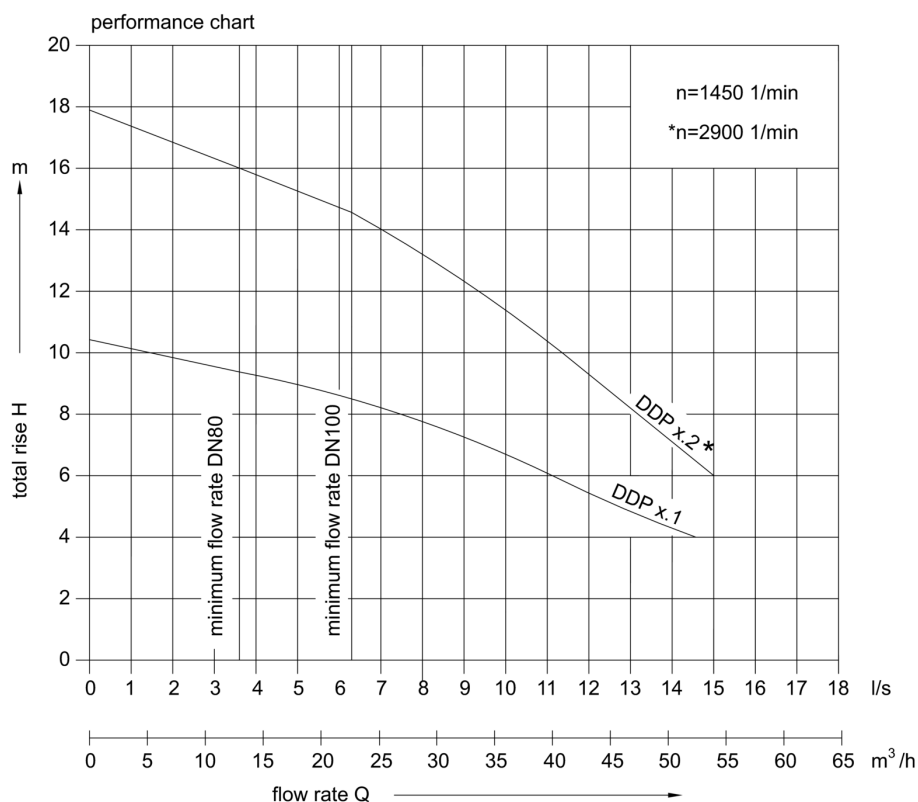
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## Performance parameters



Type	Deliv- ery head  [m]	Delivery flow Q with overall delivery head H						Conveyance me- dia temperature	
		6 m [l/s]	8 m [l/s]	10 m [l/s]	12 m [l/s]	14 m [l/s]	16 m [l/s]	Normal [°C]	Maximum [°C]
Muli-Star DDP 1.2	6 – 16	15.0	13.3	11.38	9.4	7.1	3.51	40	65

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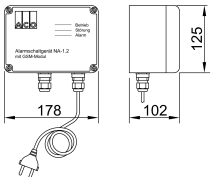
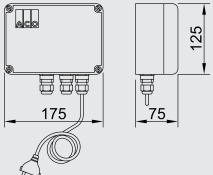
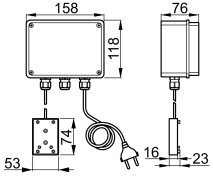
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## Accessories

	Description	Used with	Description	Item number
	<p>Message system with GSM module</p>	<ul style="list-style-type: none"> <li>Faecal matter backflow automatic stop Quatrix-K type 3F</li> <li>All Muli lifting plants</li> <li>Muli-Max-F</li> <li>Sinkamat-Z (underfloor) duo</li> <li>Grease separators</li> <li>Measuring device for grease layers</li> <li>Wet refuse collection systems</li> <li>Technical processing systems</li> </ul>	<ul style="list-style-type: none"> <li>Does not require mains power</li> <li>Visible and audible alarms</li> <li>6 digital &amp; 2 analogue freely configurable inputs</li> <li>1 alarm output 12 V</li> <li>Incl. GSM- aerial (2,5 m wire)</li> <li>Relaying alarms to mobile phones by SMS</li> <li>For mounting outside the ex-area</li> <li>Housing: 155x180 x103 mm</li> <li>Slot for standard SIM-card</li> <li>Protection level: IP54 (with fitted IP44 antenna socket)</li> <li>Operating voltage: 230 V/AC 50/60 Hz</li> <li>Weight: 2 kg</li> </ul>	<p><b>0150.46.94</b></p>
	<p>Signalling unit</p>		<ul style="list-style-type: none"> <li>Self loading</li> <li>With volt free contact</li> <li>Visible and audible</li> <li>Without Contact-maker</li> <li>For mounting outside the explosive-area</li> <li>Housing: 125 x 175 x 75 mm</li> <li>Protection level: IP65</li> <li>Operating voltage: 230 V/AC 50/60 Hz</li> <li>Plug and use with cable: 2 m</li> </ul>	
		<p>Faecal matter backflow automatic stop Quatrix-K type 3FAll Muli wastewater lifting plantsPre-container installation mono/duo-Muli-Max-FSinkamat-SSinkamat-ZSinkamat-Z (underfloor)</p>	<p>Weight: 1.4 kg</p>	<p><b>0150.26.73</b></p>
	<p>Connection and flood module set</p>	<ul style="list-style-type: none"> <li>Triplex-K backflow stops <ul style="list-style-type: none"> <li>DN 100 – DN 150</li> </ul> </li> <li>Quatrix-K backflow stops</li> <li>All wastewater lifting plants</li> <li>All separators</li> </ul>	<ul style="list-style-type: none"> <li>To report a leak caused for example by a pipe bursting</li> <li>For electrically conducting liquids</li> <li>With volt free contact</li> <li>Visible and audible alarms (approx. 80 dB)</li> <li>Dimensions (width x height x depth): 160 x 120 x 75 mm</li> <li>Protection level: IP 65</li> <li>Operating voltage: 230 V/AC 50/60 Hz</li> <li>Plug and use: 1.4 m</li> <li>Overflow indicator with 10 m cable</li> <li>Weight: 1.1 kg</li> </ul>	<p><b>0150.34.75</b></p>

You can find further accessories under → /12020002

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