

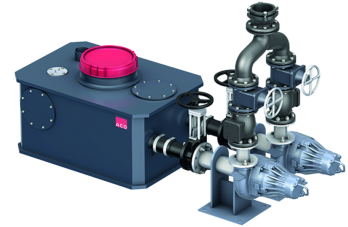
# Muli-XL DDP

## Product information for the product group

### ACO Product benefits

- Container can be configured individually to customer requirements
- Good operational safety and reliability
- Pump with adaptive impeller reduces blockages in operation
- Large usable tank volume (up to 1100 litres, depending on model)
- Choice of inlet height, depending on model

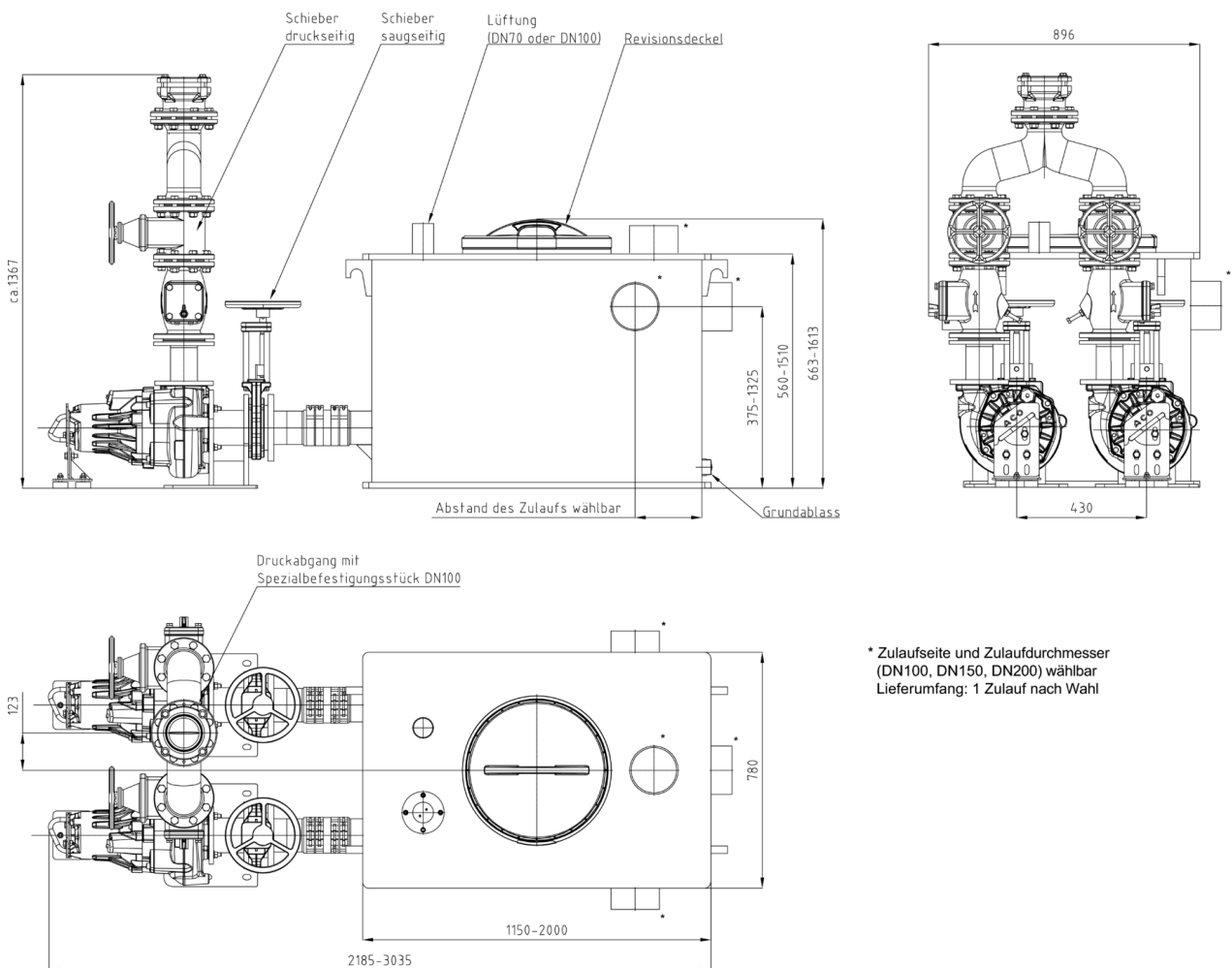
- Applications:
  - Commercial or industrial units with high levels of waste water
  - Downstream of grease separators
  - Waste water containing both long and short fibres
  - Apartment buildings
- PE-HD tank
  - 1 x inspection opening for easy servicing (350 mm clear width) with odour-proof plug cap
  - Fixing kit for buoyancy-proof anchorage
  - Inlet optionally horizontal on the side or at the end, or vertically from above, choice of DN 100, DN 150 or DN 200
  - Vertical socket, choice of DN 70/100 (ventilation)
  - R 1½" drain plug
- Two horizontally arranged pumps
  - 400 V/50 Hz
  - Protection type: IP 68
  - Adaptive impeller
  - Cable length: 10 m
- Extension pressure line
  - Two special backflow valves with venting device
  - Special DN 100 mounting adapter for connecting pressure lines from 108 – 114 mm outer pipe diameter (optionally 88 – 90 mm)
- Pneumatic level switching with pilot tube and pneumatic control line
- Mini compressor with air bubble injection available as an accessory
- Switch and alarm device
  - Protection type: IP 54
  - Cable and CEE plug (32 A): 1.5 m
  - Isolated collective fault and operating messages
  - Pneumatic control line and motor cable between lifting plant and switch-box: 10 m



**Item Technical Data 0175.59.20**

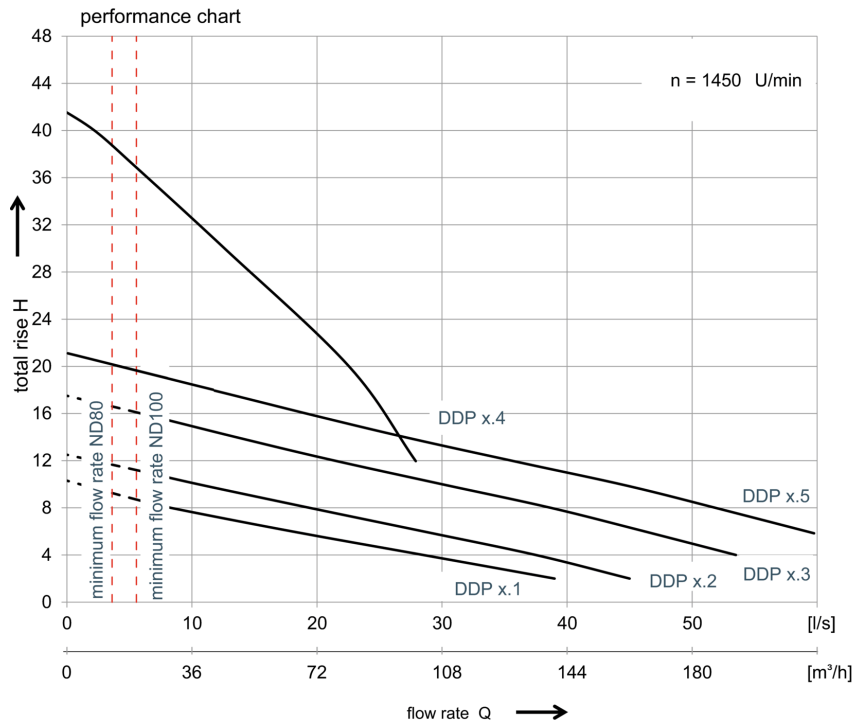
Type	Description	Motor power			Key data			Total volume [l]	Weight [kg]
		P1	P2	Power consumption	Voltage	Rev count			
		[kW]	[kW]	[A]	[V]	[r/min]			
Muli-XL DDP x.1	<ul style="list-style-type: none"> <li>■ Effective volume:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Min: 135 l</li> <li><input type="checkbox"/> Max: 1135 l</li> </ul> </li> <li>■ Total volume:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Min: 375 l</li> <li><input type="checkbox"/> Max: 2000 l</li> </ul> </li> <li>■ Weight:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Min: 410 kg</li> <li><input type="checkbox"/> Max: 500 kg</li> </ul> </li> </ul>	2.3	2	3.8	400	1460	1575	500	

**Dimensions**






\* Zulaufseite und Zulaufdurchmesser (DN100, DN150, DN200) wählbar  
Lieferumfang: 1 Zulauf nach Wahl






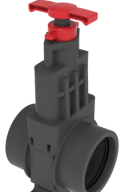
**Performance parameters**






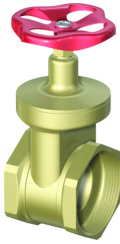




Type	Delivery head [m]	Delivery flow Q with overall delivery head H		Media temperature	
		4 m	8 m	Normal	Maximum
		[l/s]	[l/s]	[°C]	[°C]
Muli-XL DDP x.1	2 – 9	28.5	8.3	40	65

**Accessories**

Description	Used with	Weight	PU	Item number
		[kg]	[piece]	
 <p><b>Message system with GSM module</b></p> <ul style="list-style-type: none"> <li>■ Parameter via app (Android &amp; iOS)</li> <li>■ Mains-independent alarm via 12V lead-gel battery</li> <li>■ Optical and acoustic alarm message</li> <li>■ Freely configurable inputs                             <ul style="list-style-type: none"> <li><input type="checkbox"/> 6 digital inputs with LED status display</li> <li><input type="checkbox"/> 1 analogue</li> </ul> </li> <li>■ 1 alarm output 12 V</li> <li>■ Alarm forwarding via SMS to mobile phones</li> <li>■ For mounting outside the hazardous area</li> <li>■ Housing: 192 x 150(with cable gland) x 100 mm (WxHxD)</li> <li>■ Protective doctor: IP54</li> <li>■ Operating voltage: 230 V/AC 50/60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>■ All grease separators</li> <li>■ Grease layer thickness measuring device</li> <li>■ Pre-tank plants</li> <li>■ Technical processing systems</li> <li>■ Quatrix-K backflow preventer type 3F</li> <li>■ Sinkamat-K (underfloor) duo</li> <li>■ Muli lifting units</li> <li>■ Pumping stations</li> <li>■ Installation sets</li> </ul>	2.0	1	0150.80.14
 <p><b>Connection cable antenna GSM</b></p> <ul style="list-style-type: none"> <li>■ Length incl. connections: approx. 15 m</li> <li>■ Cable type: RG58</li> <li>■ Connections: 1 x SMA plug (SMA/M) and 1 x SMA socket (SMA/F)</li> <li>■ Only one extension cable may be used per GSM module</li> <li>■ Usable in temperature range: -20°C to 85°C</li> </ul>	<ul style="list-style-type: none"> <li>■ GSM - Modul</li> </ul>			0150.83.86
 <p><b>Signalling unit</b></p> <ul style="list-style-type: none"> <li>■ Self-charging</li> <li>■ With floating contact</li> <li>■ Visual and acoustic</li> <li>■ <b>Without</b> contact transmitter</li> <li>■ For mounting outside the potentially explosive atmosphere</li> <li>■ Dimensions: 175 x 125 x 75 mm W x H x D</li> <li>■ Protection type: IP65</li> <li>■ Operating voltage: 230 V/AC 50/60 Hz</li> <li>■ Ready to plug in with cable: 2 m</li> </ul>	<p>Faecal matter backflow automatic stop Quatrix-K type 3F; All Muli wastewater lifting plants; Upstream tank plant mono/duo; Muli-Max; Sinkamat -K/-KD; Sinkamat-Z; Sinkamat-Z (underfloor); <input type="checkbox"/> Duo ; LipuLift-P</p>	1.4	1	0150.26.73

Description	Used with	Weight	PU	Item number
		[kg]	[piece]	
 <p><b>Connection and flood module set</b></p> <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> </ul>	<ul style="list-style-type: none"> <li>■ Triplex-K backflow stops</li> <li>□ DN 100 – DN 150</li> <li>■ Quatrix-K backflow stops</li> <li>■ All wastewater lifting plants</li> <li>■ All separators</li> </ul>	1.1	1	0150.78.97
 <p><b>Signal horn</b></p> <ul style="list-style-type: none"> <li>■ Operating voltage: 12V DC</li> <li>■ Power consumption: 30 mA</li> <li>■ 62 x 62 x 85 mm (LxWxD)</li> <li>■ Degree of protection: IP66</li> <li>■ Noise level: 95 dB(A)</li> </ul>	<ul style="list-style-type: none"> <li>■ Signalling unit</li> <li>■ Signalling unit with GSM module</li> </ul>	0.2		0150.58.14
 <p><b>Signal horn</b></p> <ul style="list-style-type: none"> <li>■ 230V AC</li> <li>■ Power consumption: 30mA</li> <li>■ Ø62x85 mm (L/B x T)</li> <li>■ Protection: IP66</li> <li>■ 95 dB(A)</li> </ul>	<ul style="list-style-type: none"> <li>■ Signalling unit with voltage-free fault reporting</li> <li>■ LipuSmart-P</li> <li>■ Multi-Max with signalling unit</li> <li>■ LipuLift-P</li> </ul>	0.3	1	0178.61.94
 <p><b>Flashing light</b></p>	<ul style="list-style-type: none"> <li>■ Signalling unit with voltage-free fault reporting; LipuSmart-P; Multi-Max with signalling unit; LipuLift-P</li> </ul>	0.5	1	0178.62.08
 <p><b>Inlet valve DN 100</b></p> <ul style="list-style-type: none"> <li>■ Made out of PVC</li> <li>■ Spigot Ø110 on both sides for sleeveless pipe systems made of cast iron or plastic</li> <li>■ Total dimensions: 176 x 360 mm (L x H)</li> </ul>	<ul style="list-style-type: none"> <li>■ Grease separator made of polyethylene</li> <li>■ Starch separator made of polyethylene</li> <li>■ Upstream tank systems type 2 and 4</li> <li>■ LipuMobil – type 0.5</li> </ul>	5.9		0175.31.87
 <p><b>Inlet valve DN 150</b></p> <ul style="list-style-type: none"> <li>■ Made of PVC</li> <li>■ 160 mm push socket on both sides with rim sealing ring</li> <li>■ Overall dimensions: 226 x 510 mm (L x H)</li> </ul>	<ul style="list-style-type: none"> <li>■ Wastewater lifting plant</li> <li>■ Polyethylene grease separator</li> <li>■ Polyethylene starch separator</li> <li>■ Upstream tank plant</li> <li>□ Type 7 – Type 10</li> </ul>	7.0	1	0175.13.85

	Description	Used with	Weight	PU	Item number
			[kg]	[piece]	
	<b>Inlet valve DN 200</b> ■ Made out of PVC ■ Push socket 200 mm with lip sealing ring on both sides ■ Total dimensions: 264 x 637 mm (L x H)	■ Wastewater lifting plant □ Multi-Star DDP 1/2 ■ Grease separator made of polyethylene □ From NS 15	8.4	1	0170.20.83
	<b>Inlet valve DN 150</b> ■ Made out of PVC ■ Spigot Ø110 on both sides for sleeveless pipe systems made of cast iron or plastic ■ Total dimensions: 226 x 420 mm (L x H)	■ Grease separator made of polyethylene ■ Starch separator made of polyethylene ■ Upstream tank systems type 7 to 10	10.2		0175.31.88
	<b>Inlet valve DN 100</b> ■ Made of PVC ■ 110 mm push socket on both sides with rim sealing ring ■ Overall dimensions: 176 x 330 mm (L x H)	■ Wastewater lifting plant ■ Polyethylene grease separator ■ Polyethylene starch separator ■ Upstream tank plant □ Typ 2 and 4 ■ LipuMobil-P – Type 0.5	3.1	1	0175.13.84
	<b>Hand membrane pump 1 1/2"</b> ■ For fixing to wall ■ Incl. hose □ Clear width: 48 x 80 mm ■ Incl. hose clamp □ Clear width: 50 x 70 mm □ Width: 12 mm □ 2 pcs required	■ Wastewater lifting plant	14.4	1	0175.23.73
	<b>Three way valve 1 1/2"</b> ■ For hand membrane pump	■ Wastewater lifting plant	3.3	1	0159.10.14
	<b>Stop valve 1 1/2"</b> ■ For hand membrane pump	■ Wastewater lifting plant	1.0	1	0159.10.12
	<b>Sealing ring</b> ■ As additional component for pressure line DN 80 ■ Clamping range: 88 - 93 mm	■ LipuSmart-P ■ Powerlift installation kit DN 100 ■ Fäkablock II ■ All Muli wastewater lifting plants	0.3	1	0150.83.71
	<b>siphon</b>				
			0.7		0174.02.29
			1.3		0174.02.30

You can find further accessories under → <https://www.buildingdrainage.aco/search/?q=0175.59.20>