

LipuJet-P-RAP Extension stage 3

Product information for the product group

ACO Product benefits

- Easy to transport and assemble (incorporation in individual segments)
- Optimum insertion dimension
- Easier handling due to weight reduction
- Rotatable inlet fitting and stretchable odor trap
- Multifunctional container
- Emptying, cleaning and filling without odor nuisance
- Individually adjustable pre- and after-cleaning times
- Hydromechanical high-pressure interior cleaning – cold water connection only necessary

- Grease separator according to EN 1825 - Nominal Sizes (5,5-22.5)
- With integrated sludge trap
- Container made of polyethylene, in segment construction
- For indoor installation – frost-free
- Suction and drainage sump
- Odour-tight maintenance opening (clear width Ø450 mm)
- Odour-tight inspection opening through Inlet and outlet
- Central connection for direct suction with fixed coupling and blind coupling
- Inspection window with wiper
- High-pressure internal cleaning:
 - ☐ Motor-driven high-pressure spray head (360° cleaning over two axles)
 - ☐ HP (high pressure) pump (nominal pressure 175 bar)
- Filling unit (components with DVGW and KIWA approvals) for automatic refilling:
 - ☐ Free-flow valve
 - ☐ Pressure reducer with dirt trap
 - ☐ Solenoid valve
 - ☐ Odour trap
- Level measurement via pneumatic pressure measurement including bubbler injection:
 - ☐ Pneumatic box with miniature compressor and pressure sensor
 - ☐ Pitot tube
- Shut-off valve in front of the disposal pump
- Disposal pump:
 - ☐ Vortex impeller design
 - ☐ Three-phase motor
 - ☐ Delivery data according to performance diagram
- Control with connection cable 1.5 m
- And CEE plug 16A including phase changer, protection class IP 54
- Pipe connectors on the inlet and outlet with transition seal for pipe OD 200 mm (NS 15-22.5) / OD 160mm (NS 5.5-10)
- Execution right or left / following components are to be operated on the right or left to the central axis:
 - ☐ Inspection window
 - ☐ Direct suction
 - ☐ Filling unit
 - ☐ High pressure spray head
 - ☐ HP pump
 - ☐ Pneumatic box
 - ☐ Control

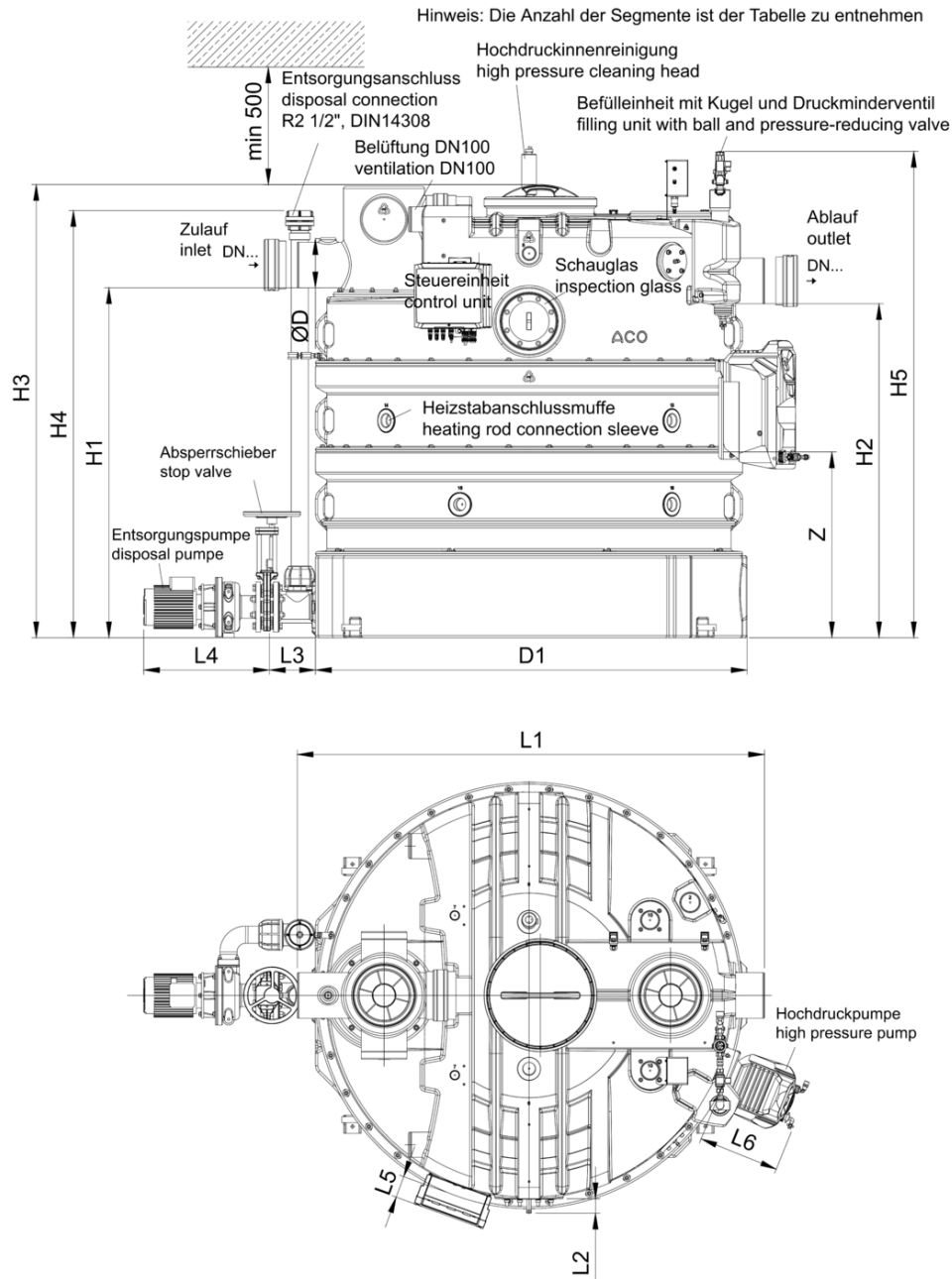


- Declaration of Performance (DoP) No:
BD-G1-1025
- Connections:
 - ☐ Inlet and outlet OD 200mm (NS 15-22.5) / OD 160mm (NS 5.5-10)
 - ☐ Vent DN100/OD110 mm
 - ☐ Direct suction with fixed coupling Storz-B/2½" and blind coupling
 - ☐ Water connection filling unit Rp¾"
 - ☐ Bottom outlet Rp1"
- Electrical connection:
 - ☐ 400V/50Hz/16A/8.0kW
 - ☐ Fusing: 3x16A (slow) or according to local conditions

Item Technical Data 3520.54.10

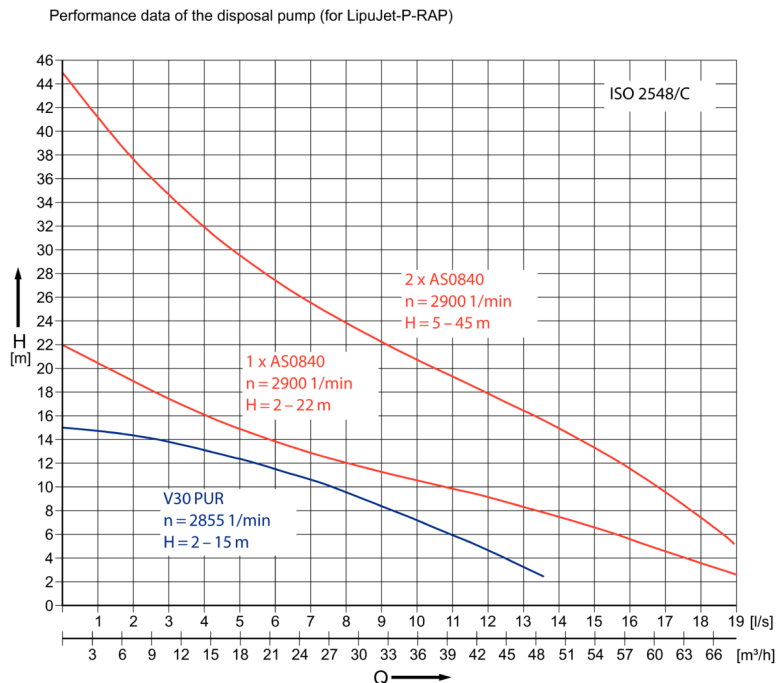
Nominal size	Nominal width	Contents			Weight		Operation side
		Sludge trap	Grease store	Overall	Empty	Full	
		[l]	[l]	[l]	[kg]	[kg]	
NS 20	DN 200	2020	800	4070	350	4420	left

Dimensions



Nomi- nal size	Dimensions													Z/An- zahl Seg- mente
	L1	L2	L3	L4	L5	L6	H1	H2	H3	H4	H5	D	D1	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
NS 20	2500	65	210	590	160	360	1925	1855	2380	2260	2540	200	1890	4

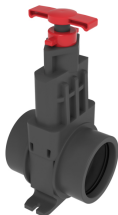
Performance parameters



	Q [l/s]									
H =	4 m	6 m	8 m	10 m	15 m	20 m	25 m	30 m	35 m	40 m
2 x AS0840	–	18,6 (18,6)	17,7 (17,7)	16,8 (16,8)	14,0 (14,0)	10,5 (10,5)	7,3 (7,3)	4,8 (4,8)	2,9 (2,9)	1,3 (1,3)
1 x AS0840	17,6 (17,6)	15,6 (15,6)	13,4 (13,4)	10,8 (10,8)	4,9 (4,9)	1,3 (1,3)	–	–	–	–
V30 PUR	12,5 (12,5)	11,0 (11,0)	9,3 (9,3)	7,6 (7,6)	0,3 (0,3)	–	–	–	–	–

Legend:
V30 = standard version
AS0840 = optional

Accessories

	Description	Used with	Weight	PU	Item number
			[kg]	[piece]	
	Inlet valve DN 150 ■ Made of PVC ■ 160 mm push socket on both sides with rim sealing ring ■ Overall dimensions: 226 x 510 mm (L x H)	■ Wastewater lifting plant ■ Polyethylene grease separator ■ Polyethylene starch separator ■ Upstream tank plant ☐ Type 7 – Type 10	7.0	1	0175.13.85
	Inlet valve DN 200 ■ 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

Description		Used with	Weight [kg]	PU [piece]	Item number
	Sampling pot DN 150				
	■ For installation of horizontal pipes DN 150 to grease separator ■ Round shape with ☐ Coupling socket seal (material SBR) on inlet and spigot on outflow ☐ Odour-proof maintenance opening DN 450	■ Grease separator LipuJet-P/LipuSmart-P ☐ NS 5.5 – 10 ■ Starch separator FapuJet-P-OAP ☐ NS 2	10.1		3300.09.21
	Sampling pot DN 200				
	■ For installation of horizontal pipes DN 200 to grease separator ■ Round shape with ☐ Coupling socket seal (material SBR) on inlet and spigot on outflow ☐ Odour-proof maintenance opening DN 450	■ Grease separator LipuJet-P ☐ NS 15 – 22,5	10.3		3300.09.31
	Sampling pot DN 150				
	■ For installation in vertical pipes DN 150 going to grease separator ■ Round shape with ☐ Coupling socket seal (material SBR) on inlet and spigot on outflow ☐ Odour-proof maintenance opening DN 450	■ Grease separator LipuJet-P/LipuSmart-P ☐ NS 5.5 – 10 ■ Starch separator FapuJet-P-OAP ☐ NS 2	10.1		3300.10.21
	Sampling pot DN 200				
	■ For installation in vertical pipes DN 200 going to grease separator ■ Round shape with ☐ Coupling socket seal (material SBR) on inlet and spigot on outflow ☐ Odour-proof maintenance opening DN 450	■ Grease separator LipuJet-P ☐ NS 15 – 22,5	10.2		3300.10.31
	Grease layer thickness measuring device				
	■ For electronic measurement of layer of grease ■ Suitable for liquid and/or congealing grease ■ Measuring device with plug and used connecting cable, length: 3 m ■ With two voltage-free changeover contacts to display full warning (80%) and advance warning of fill level (50%) ■ With visual display of fill level ■ With heated probe rod to increase reliability of operation ■ Operating voltage: 230VAC/5 VA ■ Max consumption approx. 12W	■ LipuJet-P ☐ Oval NS 1 – 10 ☐ Round NS 2 – 22,5 ■ LipuJet-S ☐ Oval NS 1 – 10 ☐ Round NS 2 – 20 ■ LipuSmart-P ☐ Oval NS 1 – 10	2.8		3300.11.50

Description	Used with	Weight	PU	Item number
		[kg]	[piece]	
Coarse trap DN 150  ■ For installation in vertical pipes DN 150 going to grease separator ■ Round shape with ☐ Coupling socket seal (material SBR) on inlet and spigot on outflow ☐ Basket made from stainless steel, material grade 316 to retain coarse substances ☐ Odour-proof maintenance opening DN 450	■ Grease separator LipuJet-P/LipuSmart-P ☐ NS 5,5 – 10 ■ Starch separator FapuJet-P-OAP ☐ NS 2	12.6		3667.00.05
Coarse trap DN 200  ■ For installation in vertical pipes DN 200 going to grease separator ■ Round shape with ☐ Coupling socket seal (material SBR) on inlet and spigot on outflow ☐ Basket made from stainless steel, material grade 316 to retain coarse substances ☐ Odour-proof maintenance opening DN 450	■ Grease separator LipuJet-P ☐ NS 15 – 22,5	9.9		3667.00.06
 Heating rod ■ To liquefy grease layer ■ Incl. control ■ Electrical connector ☐ 400 V/50 Hz/6.0 kW	■ Grease separators	15.0		7300.01.00
 Connection box ■ For evacuation connection and remote control ■ Made from stainless steel, material grade 304 ■ Fixing: "On wall" ■ Dimensions (width x height x depth): 500 x 500 x 160 mm	■ Grease separators ■ Starch separators ■ LipuLift-P-D/-DA/-DAP	11.6		7601.80.20
 In-wall frame ■ Dimensions (width x height x depth): 565 x 565 x 15 mm	■ Connection box ☐ 7601.80.20 ■ LipuLift-P-D/-DA/-DAP	1.2		7601.80.21
 Stop valve ■ Made of cast iron ■ Penstock plate, spindle made from stainless steel, material grade 304				
DN 150; Length (L): 60 mm; Spindle travel (H1 – H2): 478 – 639 mm; Manual wheel diameter: 200 mm	Grease separators for free-standing installation; Starch separator for free-standing installation	29.4		7604.00.12
DN 200; Length (L): 60 mm; Spindle travel (H1 – H2): 542 – 743 mm; Manual wheel diameter: 250 mm	Grease separator for free-standing installation; ☐ NS 15-20	36.0		7610.00.12

	Description	Used with	Weight	PU	Item number
			[kg]	[piece]	
	Flange connection part ■ Stainless steel, material grade 304 ■ Seal: NBR				
	DN 150; Length (L): 75 mm		10.0		7604.00.13
	DN 200; Length (L): 120 mm	Stop valve DN 200; □ 7610.00.12	12.9		7610.00.13
	Connection box ■ For evacuation connection DN 80 ■ Made from stainless steel, material grade 304 ■ "On wall" version ■ Door stop □ Choice of left or right □ Lockable door ■ Dimensions (width x height x depth): 370 x 330 x 250 mm	■ Grease separators □ LipuMax-P-D/DM/DA □ LipuJet-P-OD/RD/SD/OM/OMP/RM/RMP □ LipuJet-S-OD/RD/SD/OM/OMP/RM/RMP ■ Starch separators FapuMax-P-DA ■ Oil separators Coalisator-P ■ LipuLift-P-D/-DA/-DAP	10.4		7601.80.22
	In-wall frame ■ Stainless steel, material grade 304 ■ Dimensions (width x height x depth): 421 x 381 x 25 mm	■ Connection box □ 7601.80.22 ■ LipuLift-P-D/-DA/-DAP	1.0		7601.80.23
	Remote control ■ For internal fitting or fitting in connection boxes ■ Control line without protective conductor on-site □ Up to 50 m: 7 x 1.0 mm ² □ 50 – 200 m 7 x 1.5 mm ²				
		Grease separator; □ LipuJet-P OA/OAP/RA/RAP □ LipuJet-S OA/OAP/RA/RAP □ LipuMax-P-DA □ LipuSmart-P-OA/OAP ; Starch separator FapuJet	1.0		0150.59.89
	Storz coupling for swinging gas lines ■ Storz coupling 75B ■ For connection of the disposal vehicle pendulum gas line ■ For pipe connection Rp 2 ½" (female thread)	■ For installation in connection box art. no. 7601.80.22	1.8		0155.32.09
	Connection box ■ For disposal connection, pendulum gas line (if necessary) and remote control ■ From stainless steel, material grade 304 ■ "Surface mounted" version ■ Glass beaded front ■ Lockable door, left limit stop ■ Dimensions W x H x D: 300 x 725 x 160 mm	■ Grease separator ■ Starch separators ■ LipuLift-P-D/-DA/-DAP	10.0		7601.80.24

Description	Used with	Weight	PU	Item number
		[kg]	[piece]	
 In-wall frame ■ From stainless steel, material grade 304 ■ "In-wall" version ■ Glass beaded front ■ Dimension W x H x D: □ 405 x 830 x 30 mm	■ Connection box □ 7601.80.24 ■ LipuLift-P-D/-DA/-DAP	2.1		7601.80.25
 ACO Ozone Generator ■ ACO Ozone minimizes odors that can arise from grease separators, lifting plants and pumping stations ■ Material: acid-resistant stainless steel Consists: ■ ACO Ozone - ozone generator □ Size (L x W x H): 270 x 100 x 85 mm □ Nominal voltage 230 V / 50 Hz □ Degree of protection IP20 ■ ACO Ozone pump - feed pump □ Size (L x W x H): 160 x 90 x 90 mm □ Integrated filter □ Nominal voltage 230 V / 50 Hz □ Degree of protection IP54 ■ ACO Ozone bracket - wall bracket □ Size (L x W x H): 295 x 110 x 90 mm ■ Hoses	■ Grease separators, indoors ■ Grease separators, outdoors ■ Lifting stations ■ Pumping stations			7980.90.00
 Message system with GSM module ■ Parameter via app (Android & iOS) ■ Mains-independent alarm via 12V lead-gel battery ■ Optical and acoustic alarm message ■ Freely configurable inputs □ 6 digital inputs with LED status display □ 1 analogue ■ 1 alarm output 12 V ■ Alarm forwarding via SMS to mobile phones ■ For mounting outside the hazardous area ■ Housing: 192 x 150(with cable gland) x 100 mm (WxHxD) ■ Protective doctor: IP54 ■ Operating voltage: 230 V/AC 50/60 Hz	■ All grease separators ■ Grease layer thickness measuring device ■ Pre-tank plants ■ Technical processing systems ■ Quatrix-K backflow preventer type 3F ■ Sinkamat-K (underfloor) duo ■ Multi lifting units ■ Pumping stations ■ Installation sets	2.0	1	0150.80.14
 Connection cable antenna GSM ■ Length incl. connections: approx. 15 m ■ Cable type: RG58 ■ Connections: 1 x SMA plug (SMA/M) and 1 x SMA socket (SMA/F) ■ Only one extension cable may be used per GSM module ■ Usable in temperature range: -20°C to 85°C	■ GSM - Modul			0150.83.86

Description	Used with	Weight	PU	Item number
		[kg]	[piece]	
Operating Logbook				
	■ Contents: Check-list and standard forms to document in-house monitoring, maintenance and disposal relating to the plant as required by DIN 4040-100	0.3		0150.45.23
	■ Grease separator			
	☐ For underground installation			
	☐ For free-standing installation			
	■ Format: A4 with double filing rings			
■ Size: 60 pages				
■ Laid out to cover 5 years				

You can find further accessories under → <https://www.buildingdrainage.aco/search/?q=3520.54.10>