atac

ATAC Solutions Ltd is a leading environmental engineering company based in Maidstone, United Kingdom.

ATAC Solutions is known for its state-of-the-art liquid collection fleet and its expertise in providing bespoke turnkey wastewater process solutions.

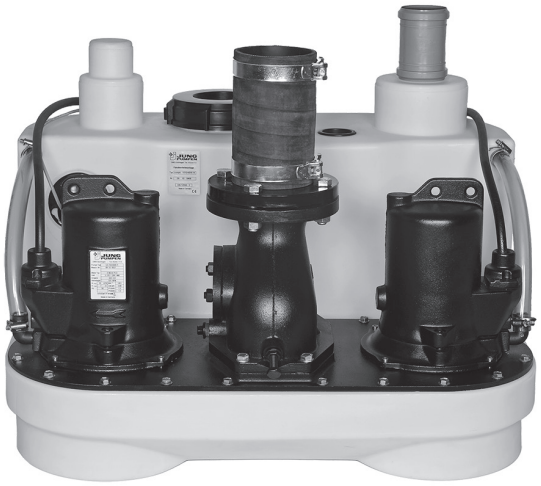
With a focus on sustainability and accreditation in ISO 9001 & ISO 14001, the company serves domestic and industrial clients across the South-East and London.

ATAC Solutions Ltd,
Unit A9, Loc 8 Business Park, Ashford Road,
Hollingbourne, Maidstone, England, ME17 1WR

atacsolutions.com
01622 882400

atac EDI EOSi Napier-Reid Nexom triplepoint
Axius Water companies

JUNG PUMPEN COMPLI 1000
SEWAGE LIFTING STATIONS



compli 1000

APPLICATION

With their performance graduations, the compli 1000 disposal units have been designed for use in detached houses, in several residential units or in commercial buildings. During the design work, special attention was given to easy handling, space-saving erection and uncomplicated installation.

The submersible unit is permitted for general use in areas subject to flooding. The control unit has to be fitted in a well ventilated flood-proof room.

The PE tank has freely accessible drains, a cleaning opening at the top and and a clamp-type inlet flange for an installation. The inlet height can be variegated according to the feeding pipe:

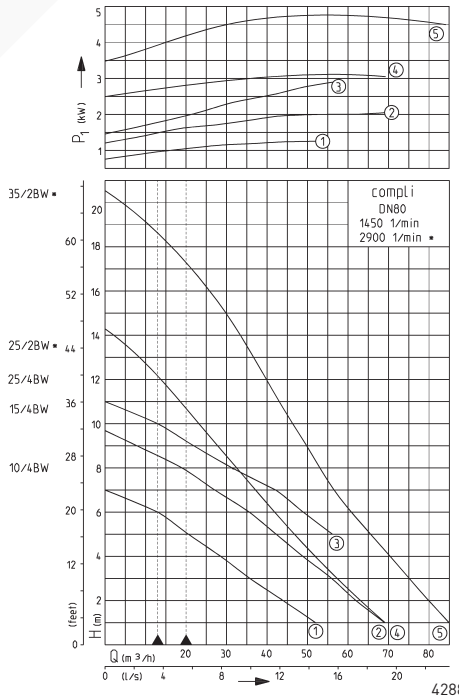
- DN 100: 180-205 mm (left), 250-300 mm (center) and 290-340 mm (right), each continuously adjustable
- DN 150/DN 50: 180 mm (left), 275 mm (center) and 315 mm (right)

For the connection of a DN 100 feeding pipe a reducer DN 150/100 is enclosed. The tank has vertical inlet in DN 150 or DN 100. If not in use, the rear inlet must be closed with the plug set DN 150 (accessory).

The vortex impeller of the pump offers the safety you can rely on. Duplex systems have two pump units on one tank which are switched alternately or, if and when required, they are operated both in order to cope with peak load or reserve operation.

- Ready to plug in
- Submersible
- Clamp-type inlet flange
- Versatile connection facilities
- PE tank
- Vortex impeller

PERFORMANCE



We reserve the right to change specifications without notice

Pump performance is subject to ISO 9906 tolerances

The minimum flow velocity in the pressure piping must be 0.7 m/s according to EN 12056.
This data is represented in the performance curve as a limit of application.

JUNG PUMPEN COMPLI 1000
SEWAGE LIFTING STATIONS

SEWAGE LIFTING STATIONS

Type	Tank capacity l	Inlet height mm	Free passage mm	Clamp-type inlet flange	Connect-ing flange PN 10	For connect-ing pipe	Ventila-tion	Weight approx.	**Code No.**
compli 1010/4 BW E	115	Variable (see dimen-sions)	70	DN 150	DN 80	DN 100	DN 70	115 kg	**JP09273**
compli 1010/4 BW	115		70	DN 150	DN 80	DN 100	DN 70	115 kg	**JP09829**
compli 1015/4 BW	115		70	DN 150	DN 80	DN 100	DN 70	115 kg	**JP09830**
compli 1025/4 BW	115		70	DN 150	DN 80	DN 100	DN 70	115 kg	**JP09831**
compli 1025/2 BW	115		70	DN 150	DN 80	DN 100	DN 70	125 kg	**JP09461**
compli 1035/2 BW	115		70	DN 150	DN 80	DN 100	DN 70	132 kg	**JP09462**

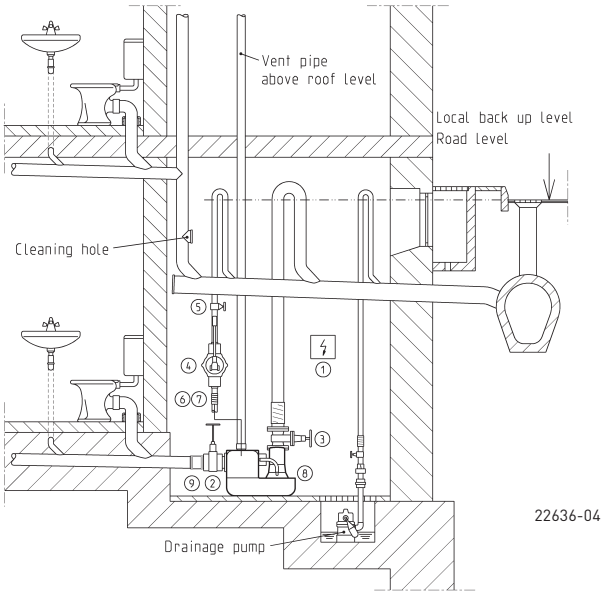
PERFORMANCE (VALUES FOR EACH PUMP)

Type	Delivery head H [m]	1	2	3	4	5	6	7	8	9	10	11	13	15	17
compli 1010/4 BW und BW E	Delivery rate Q [m^3/h]	52	44	37	29	22	13								
compli 1015/4 BW		69	62	56	49	42	36	27	19						
compli 1025/4 BW						56	49	42	32	22	13				
compli 1025/2 BW		69	64	58	52	47	42	37	33	28	23	20	8		
compli 1035/2 BW		85	80	75	71	66	62	57	54	50	47	44	36	30	21

ELECTRICAL DATA

Type	Type of current	Voltage Volt	Motor rating kW P_1	P_2	Current Ampere	Cable (4 m) Tank control	Cable (1.5 m) Control plug	Plug
compli 1010/4 BW E	1-phase	1/N/PE~230	1,55	1,10	7,1	H07RN-F-4 G 1,5	H05VV-F-3 G 1,5	Safety-
compli 1010/4 BW	3-phase	3/N/PE~400	1,3	1,0	2,8	H07RN-F-6 G 1,5	H05VV-F-5 G 1,5	CEE-
compli 1015/4 BW	3-phase	3/N/PE~400	2,2	1,7	3,9	H07RN-F-6 G 1,5	H05VV-F-5 G 1,5	CEE-
compli 1025/4 BW	3-phase	3/N/PE~400	3,0	2,2	5,1	H07RN-F-6 G 1,5	H05VV-F-5 G 1,5	CEE-
compli 1025/2 BW	3-phase	3/N/PE~400	3,3	2,6	5,4	H07RN-F-6 G 1,5	H05VV-F-5 G 1,5	CEE-
compli 1035/2 BW	3-phase	3/N/PE~400	4,8	4,0	8,2	H07RN-F-6 G 1,5	H05VV-F-5 G 1,5	CEE-

Mounting arrangement



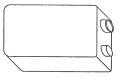
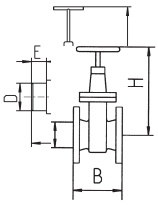
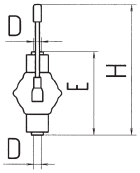
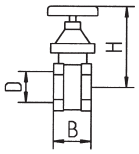
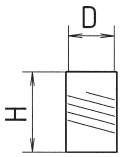
All types have DN 80 / PN 10 connecting flange, however with pipe socket DN 100. For this reason, non-return valves and shut-off valves for the pressure pipe need to be chosen for DN 80 only in case of direct erection. The downstream pressure pipe is connected to DN 100 by an elastic connection.

In keeping with the construction and testing principles of German / European standard DIN EN 12050, sewage lifting stations are to be used for the transport of faecal matter and domestic waste-water in building drainage systems as described in German standard DIN 1983 T3. In keeping with the stipulations of German / European standard DIN EN 12056-4 they have to be mounted with collecting tanks inside building permitting a free space of 60 cm for operation and repair. The pressure pipe has to be passed above the locally defined backpressure level and a non-return valve tested in keeping with German / European standard 12050-4 has to be mounted. In keeping with German / European standard 12056 the ventilation pipe has to be passed up to the roof.

DIN EN 12056 paragraph 5.1 In applications where the waste-water inlet must not be interrupted a double system has to be installed.

JUNG PUMPEN COMPLI 1000
SEWAGE LIFTING STATIONS

ACCESSORIES

				Art.-Nr.
	1	**Rechargeable battery** for control for mains-independent alarm		**JP44850**
	2	**PVC sluice valve** (with two pipe sockets) for 4" inlet (DN 100) PN 1	H B E F D 360 295 60 81 110 660 450 110 105 160	**JP28297** **JP28591**
	3	**Sluice valve*** for 3" pressure side (DN 80), PN 10, DIN EN 1171	H B D 315 180 DN 80	**JP00639**
	4	**Hand diaphragm pump** for emergency purposes (up to H_{geod} 15 m)	H E D ca. 640 430 1½"	**JP00255**
	5	**Stop valve,** 1½" (DN 40), PN 16	H B D 125 max. 60 1½"	**JP44786**
	6	**Elastic connection** 1½" (DN 40), PN 4	H D 120 50	**JP44777**
	7	**Clamp** 1½"		**JP44763**
	8	**Seal leak detector DKG** (for 25/2 BW and 35/2 BW), per pump		**JP00252**
	9	**Opening set DN 150** (required for lateral connection)		**JP43156**

* with screws and seal

JUNG PUMPEN COMPLI 1000
SEWAGE LIFTING STATIONS

TECHNICAL DATA

Pump
Vertical, single-stage, submersible, vortex impeller, volute casing with DN 80 /DN 100 vertical outlet suitable for DN 100 pipework, flanged to PE tank with cleaning opening and pre-mounted duplex swing-type check valve.

Bearing
Common shaft for pump and motor, grease-packed ball bearing.

Motor
Submersible, IP 68 type of protection, insulation class F, winding thermostats for the protection of the drives against overheating, automatic start-up by three-contact circuit and control. Connection to mains by 16 A CEE plug or plug with earthing contact, S 3 type of operation in keeping with German standard VDE.

Seal
Double 10/4-25/4 BW radial shaft sealing ring , 25/2 BW and 35/2 BW silicon carbide mechanical seal independent of rotation and safe to run dry. Oil chamber with double radial shaft sealing ring towards the motor compartment. Connection possibility for seal leak detector on 25/2 BW and 35/2 BW.

Materials
Tank made of corrosion resistant and non-polluting polyethylene; pump and motor housing, single-vane impeller and non-return valve made of wear-resistant grey cast iron; shaft made of stainless steel (versions 10/4-25/4 BW) or completely covered towards the media (version 25/2 and 35/2 BW); rubber inlet hose.

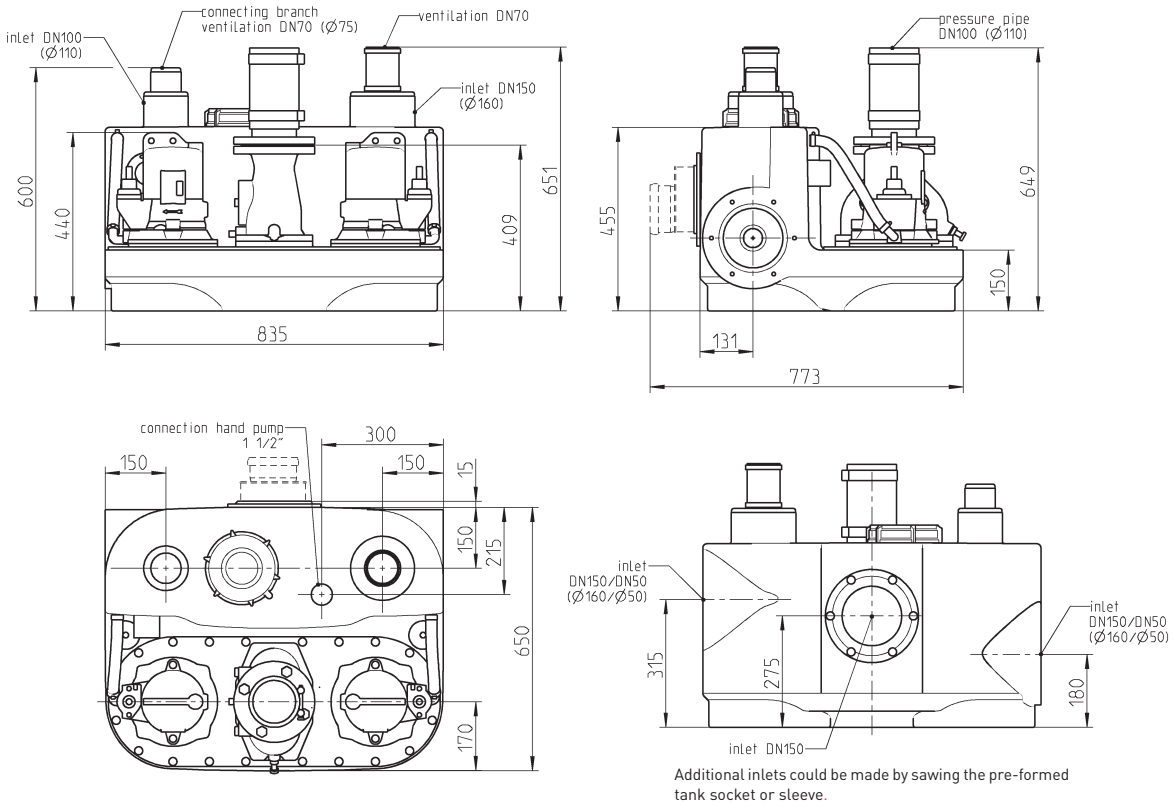
Scope of supply
Ready for plug in sewage lifting unit according to DIN EN 12050-1 with clamp flange DN 150, reducer DN 150/100, two built-on subm. sewage pumps and connection flange DN 80 with pipe socket Ø 110 mm, elastic connection c/w hose clamps, PVC collar DN 70 for ventilation connection, pre-mounted duplex swing-type check valve and autom. level controller, control unit (IP 44) c/w motor protection, motor contactor, transformer, mains-dependent alarm unit and potential-free contact for collective failure messages, with optical display of sense of rotation (only in case of three-phase current), alarm and operation, and 2 x manual-0-automatic switch. To be fitted with a micro-processor control as well upon request.

Cable between tank and control 4 m, cable between control and plug 1.5 m. Accessories to be ordered according to the mounting drawing.

Standard DIN EN 12056-4, paragraphs 5.1 and 5.2

- Working area of 60 cm above and around all parts of disposal unit that have to be operated.
- Pump sump for the drainage of the operation room
- Swing-type check valve on the pressure side
- Stop valve on the pressure side
- Stop valve on the inlet side
- Disposal units have to be mounted buoyancy-proof

Dimensions compli 1000 (mm)



Additional inlets could be made by sawing the pre-formed tank socket or sleeve.

42938-00

PTS PUMP TECHNICAL SERVICES LTD. · Beco Works · Cricket Lane · Beckenham Kent BR3 1 LA · Phone 020 8778 4271 · Fax 020 8659 3576 · www.pts-jung.co.uk
Jung Pumpen GmbH · Industriestr. 4-6 · 33803 Steinhagen · Germany · Phone +49 5204 17-0 · Fax +49 5204 80368 · eMail: info@jung-pumpen.de