PENTAIR JUNG PUMPEN

COMPLI 1100 E

DRENA-LINE SEWAGE LIFTING STATION

- Ready to connect
- Submersible
- Additional vertical/horizontal inlets
- Duplex swing-type check valve
- Light weight
- PE-tank
- Vortex impeller
- Small space requirement
- Smart Home Compatible

DESCRIPTION

The sewage lifting unit compli 1100 E is designed for the use in multi-family areas and in commercial buildings. Special attention was given to convenient handling and space-saving and uncomplicated installation.

The submersible unit offers the installation and operation in flood prone areas. The control unit must be installed a well ventilated and flood-proof room.

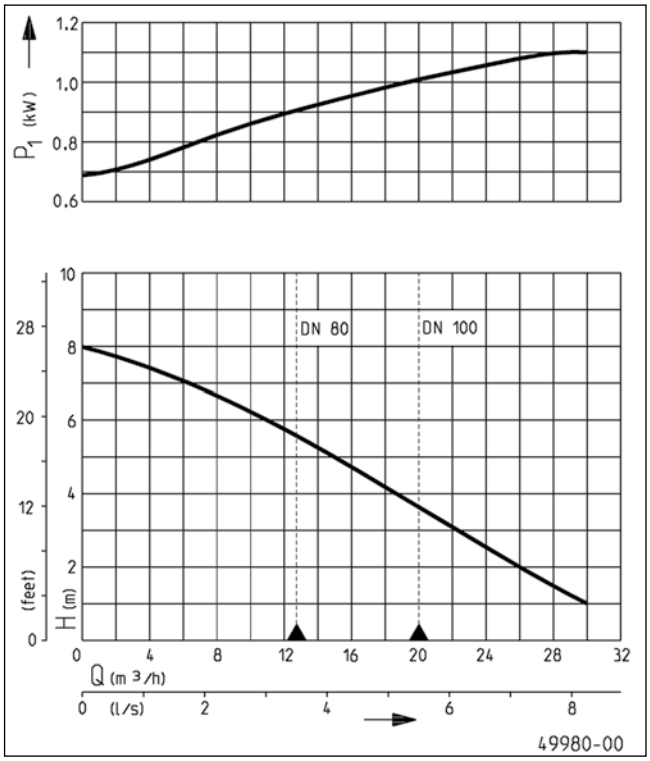
The high-grade PE tank has freely accessible connections, an overhead cleaning opening and an inlet socket for an easy installation. On grounds of the various connecting options the units fit ideally in all sites. The inlet height can be adjusted infinitely between 180 and 250 mm.

The high-performance single-phase a.c. motors of the duplex unit rest on grey iron rings which provide together with the integrated hydraulic an outstanding rigidity and quietness.

The two pumps operate alternating but can also work in parallel should a peak load occur or a stand by operation be necessary.

The FTJP radio transmitter can be connected to the potential-free contact of the control unit. It is now possible to monitor (e.g. the alarm message) with an EnOcean-capable smart home gateway (Wibutler, Afriso, Homee).

PERFORMANCE



Type	Delivery head H [m]	1	2	3	4	5	6
compli 1100 E	Flow rate Q [m³/h]	30	26	22	19	15	11

Specifications can be changed without notice. Performance 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.

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SCOPE OF SUPPLY

Ready for plug in sewage lifting unit according to EN 12050 with vertically adjustable inlet socket DN 100 (inlet heights 180 to 250 mm), additional inlets DN 100/50 horizontal and vertical, two built-on subm. sewage pumps and connecting flange DN 80 with pipe flange outer Ø 90 mm, pre-installed DN 80 duplex non-return valve, elastic connection c/w hose clamps for plastic pressure pipe DN 80 and a slip-on-sleeve for the DN 70 ventilation pipe, automatic level control, control unit (degree of protection IP 44), alternating pump operation including peak load function, motor protection, contactors, transformer, mains-dependent alarm system, potential-free NO contact for collective failure messages, optical display of alarm and operation, 2 Hand -0-Automatic switches.

Cable length between tank and control unit 4 m. Supply cable with plug: 1,5 m.

MECHANICAL DATA

Pump	Vertical single-stage	Pump housing	Plastic, grey cast iron
Free passage	50 mm	Submersible	Yes
Pressure pipe	DN 80	Pressure outlet	DN 80
Shaft	Stainless steel	Tank capacity	90 l
Impeller	Vortex impeller, stainless steel	Weight	65 kg
Motor housing	Stainless steel		

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Wires	4G1,0
Motor rating P1	1.2 kW	Type of enclosure	IP 68
Motor rating P2	0.98 kW	Insulation class	F
Current	4.5 A	Winding thermostat	Yes
Power line	4m H07RN-F	Plug	Safety

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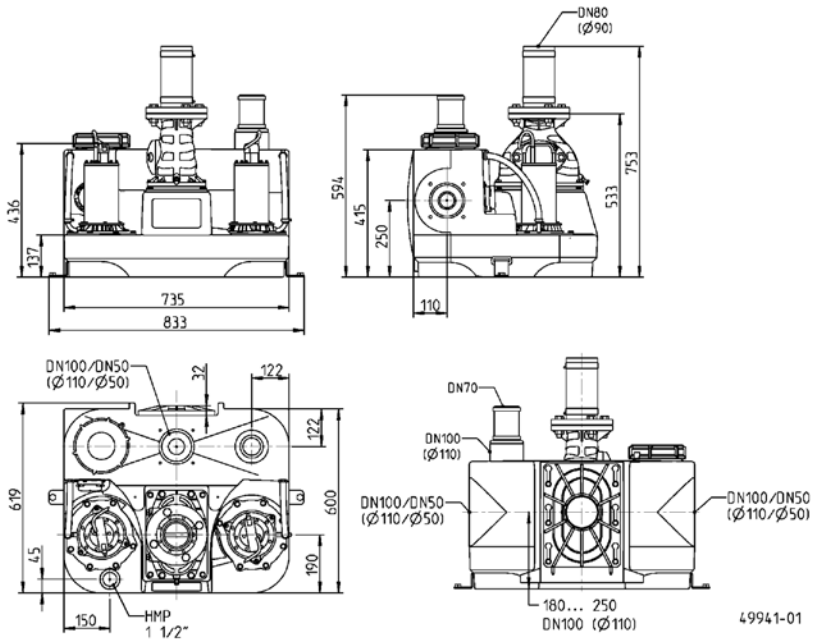
Type	**Code No.**
compli 1100 E	**JP50087**

Dimensions with swing-type check valve (mm)



Pentair Water Italy s.r.l.• 56010 Lugnano (PI) Italy • Tel.+39.050.716111 • Fax +39.050.716801 • it.jp@pentair.com • www.jung-pumpen.com

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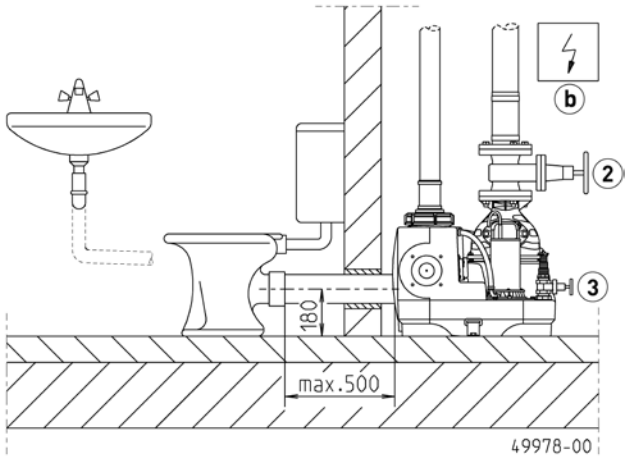
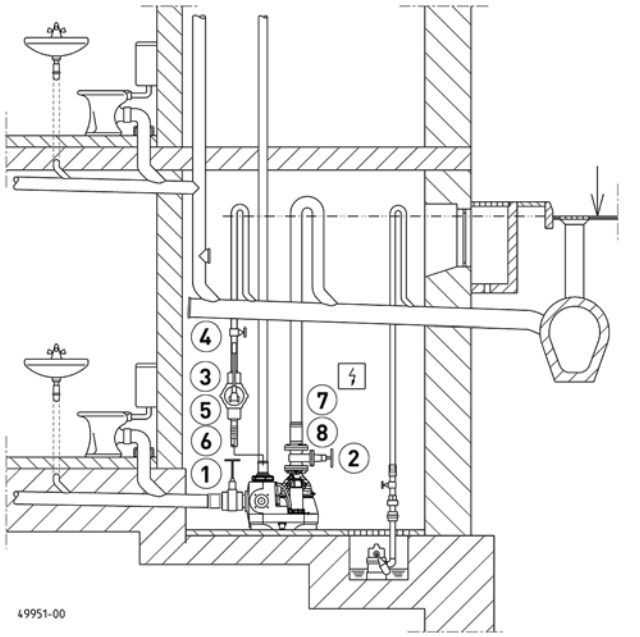
Example of installation



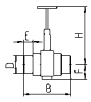
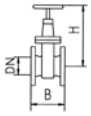
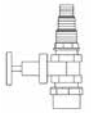
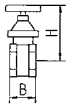
Example of installation



The compli has a DN 80/PN 4 outlet flange. The following stop valve and pipework are installed in DN 80.
In keeping with the construction and testing principles of European standard EN 12050, sewage lifting stations are to be used for the transport of faecal matter and domestic wastewater in building drainage systems as described in German standard DIN 1986 T3. In keeping with the stipulations of European standard 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 European standard 12050-4 has to be mounted. In keeping with European standard 12056 the ventilation pipe has to be passed up to the roof.

Attention! The inlet pipes of the lowlateral inlets must be euipped with a dam loop. This loop must have at least a height of 180 mm between ground and invert. The feed line must be ventilated on its highest elevation.

MECHANICAL ACCESSORY

				Code No.
	(1) **Inlet gate valve PVC**	with two pipe sockets, DN 100, PN1	360x295 (HxW)	**JP28297**
	(2) **Sluice valve**	DN 80, PN 10, EN 1171	315x180 (HxB)	**JP00639**
	(3) **Connection for emergency de-watering**	with stop valve and hose connection	1", 1¼" and 1½"	**JP49138**
	**Hand diaphragm pump**	for emergency purposes (up to H geod 15 m)	640x1½" (HxD)	**JP00255**
	(4) **Stop valve**	brass, 1½" (DN 40), PN 16	125x60 (HxB)	**JP44786**
	(5) **Elastic connection**	1½" (DN 40), PN 4	120x50 (HxD)	**JP44777**
	(6) **Hose band clamp**	1½"		**JP44763**
	(7) **Adapter ring**			**JP50173**

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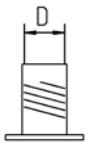
				Code No.
	⑧ **Connection kit**	DN 100	D=110	**JP42910**
	⑨ **Opening set**	DN 100, required for lateral connection		**JP50172**

ELECTRICAL ACCESSORY

			Code No.
	ⓐ **Rechargeable battery**	for mains independent alarm	**JP44850**
	ⓑ **Smart Home**	FTJP radio transmitter	**JP47209**

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