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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.

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Axiom Water companies

Series description: Wilo-DrainLift Box



Design

Wastewater lifting unit (concealed floor installation)

Application

For concealed floor installation, can be used to drain

- Rooms subject to possible flooding
- Garage entrances
- Basement stairways
- Showers, washbasins, washing machines, dishwashers

Type key

Example:	Wilo-DrainLift Box 32/8
Box	Wastewater lifting unit (concealed floor installation)
32	Nominal diameter of the discharge port (DN 32, Ø 40)
8	Max. delivery head [m]

Special features/product advantages

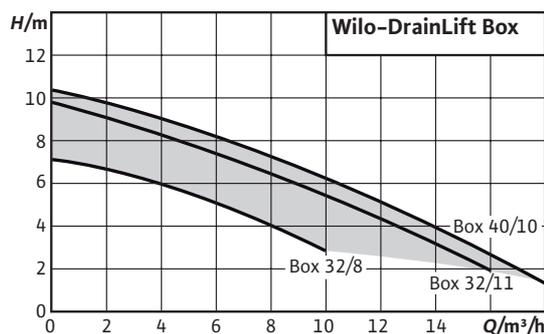
- Easy to install due to integrated pump and non-return valve
- The large tank volume ensures a low number of switching operations
- Easy maintenance
- Stainless steel tile frame with trap
- With extra connection for a second tank

Materials

- Concealed floor tank: PE plastic
- Motor: stainless steel
- Hydraulic housing: PP-GF30 plastic with Box 32..., cast iron EN-GJL-200 with Box 40

Technical data

- Mains connection 1~230 V, 50 Hz
- Mains connection cable 10 m (5 m with 40/10), with shock-proof plug
- Operating mode S3 -25%
- Fluid temperature max. 35 °C, with 32/8 and 32/11 for short periods (3 min) 90 °C
- Pressure port Ø 40 mm
- Inlet connection 100 mm
- Ventilation connection 100 mm
- Protection class IP 67
- Gross tank volume 85 l
- Switching volume 22 l, 30 l with 40/10



Equipment/function

- Ready-to-plug
- Plastic tank with already mounted drainage pump, pressure pipe and integrated non-return valve
- Thermal motor monitoring
- Level control with float switch

Description/design

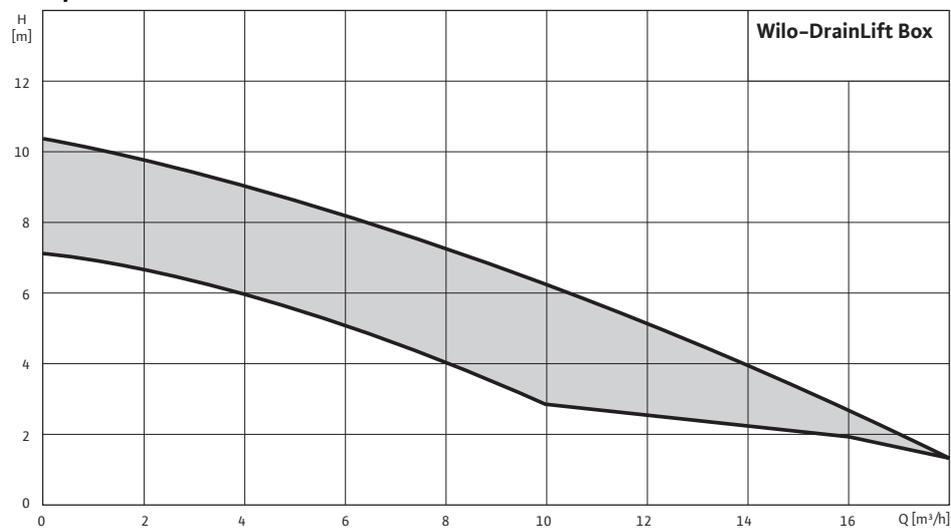
Automatically switching lifting unit with built-in submersible pump and non-return valve. Ready for installation in concealed floor structures. Flexible due to two inlet possibilities in DN 100 and a connection (DN 100) with a second tank.

Scope of delivery

Pump ready for connection with attached float switch in impact-resistant plastic container for concealed floor installation. Completely ready for operation with pressure pipe and non-return valve already installed. Pump cable (5 m or 10 m long) with mounted shock-proof plug. Installation and operating instructions.

Duty chart: Wilo-DrainLift Box

Pump curves Wilo-DrainLift Box



Equipment/function: Wilo-DrainLift Box

Design	
Submersible	-
Single-pump system	•
Double-pump system	-
AC motor	•
Three-phase motor	-
Pump position: motor components outside the tank	-
Pump position: outside the tank	-
Pump position: in tank	•
Sealing chamber	•
Sealing by mechanical seal on fluid side	•
Seal for rotary shaft seal on fluid side	-
Integrated non-return valve	•
Sheath current cooling	•
Single-channel impeller	-
Multi-channel impeller	•
Vortex impeller	-
Macerator	-
Patented turbulator	•
Equipment/function	
Inlet position freely selectable	-
Active carbon filter	-
Level control: with float switch	•
Level control: with level sensor	-
Level control: with pneumatic pressure transducer	-
Motor temperature monitoring	•
Motor leakage monitoring	-
Mains-independent alarm	-
Alarm for potential-free contact	-
Ready-to-plug	•
Connection cable detachable	-
Switchgear	-
Hose connection for diaphragm hand pump	-
Gasket for suction pipe connection for diaphragm hand pump	-
Hose connection for ventilation	-
Pressure hose	-
Installation sundries	
Fixation material	-
Kit for pressure pipe connection	•
Curve cutter for inlet borehole	-
Keyhole saw for inlet borehole	-
Inlet seal	-
Soundproofing material	-

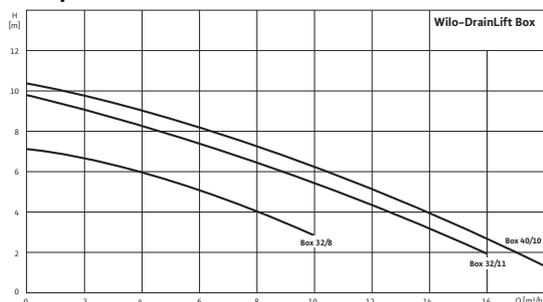
• = available, - = not available; o = optional

Product list: Wilo-DrainLift Box

Pump type	Mains connection	Max. intake/h with S3 operation	Gross volume	Max. switching volume	Pressure connection	Inlet connection	Art no.
		v/l	v/l	v/l			
Box 32/8	1~230 V, 50 Hz	max. 1320	85	22	G 1¼	DN 100	2521820
Box 32/11	1~230 V, 50 Hz	max. 1320	85	22	G 1¼	DN 100	2521821
Box 40/10	1~230 V, 50 Hz	max. 900	85	30	Rp 1½	DN 100	2521822

Data sheet: Wilo-DrainLift Box 32/11

Pump curves Wilo-DrainLift Box - 50 Hz - 2900 rpm



According to EN 12056-4, 6.1, flow velocity (in the pressure pipe) must be kept between 0.7 and 2.3 m/s.

The stated Q_{min} values apply to the inside diameter of single-walled steel pipes.

Motor data

Mains connection	1~230 V, 50 Hz	
Rated current	I_N	3.6 A
No. of poles	2	
Activation type	Direct	
Insulation class	F	
Protection class	IP 67	
Max. switching frequency	60 1/h	

Cable

Length of connecting cable	10 m
Mains plug	Shock-proof
Type of connecting cable	Non-detachable

Permitted field of application

Operating mode per pump	S3-15%	
Max. permissible pressure in the pressure pipe	p	1 bar
Fluid temperature	T	+3 ... +35 °C
Max. fluid temperature, for short periods up to 3 min	T	90 °C
Max. ambient temperature	T	35 °C

Dimensions/weights

Gross volume	V	85 l
Switching volume	V	22 l
Activation level (measured from the floor)	280 mm	
Dimensions	$Widt$ $h \times$ $heigh$ $t \times$ $dept$ h	720 x 880 x 710 mm
Free ball passage	10 mm	
Weight approx.	m	32 kg

Connections

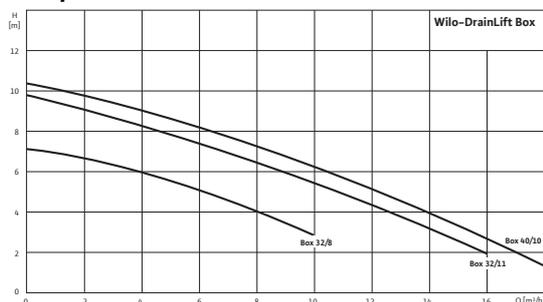
Pressure connection	G 1¼	
Flanges (according to EN 1092-2)	PN	-
Connection standard	DIN 8074	
Maximum operating pressure	p_{max}	2 bar
Inlet connection	DN 100	

Data sheet: Wilo-DrainLift Box 32/11

Venting	DN 100
Installation sundries	
Fixation material	–
Kit for pressure pipe connection	•
Curve cutter for inlet borehole	–
Keyhole saw for inlet borehole	–
Inlet seal	–
Soundproofing material	–
Materials	
Motor housing	Stainless steel
Pump housing	Plastic
Impeller	Plastic
Tank	Plastic
Information for order placements	
Make	Wilo
Art no.	2521821
EAN number	4016322705772
Price group	PG7

Data sheet: Wilo-DrainLift Box 40/10

Pump curves Wilo-DrainLift Box - 50 Hz - 2900 rpm



According to EN 12056-4, 6.1, flow velocity (in the pressure pipe) must be kept between 0.7 and 2.3 m/s.

The stated Qmin values apply to the inside diameter of single-walled steel pipes.

Motor data

Mains connection	1~230 V, 50 Hz	
Rated current	I_N	4.4 A
No. of poles	2	
Activation type	Direct	
Insulation class	B	
Protection class	IP 67	
Max. switching frequency	30 1/h	

Cable

Length of connecting cable	5 m
Mains plug	Shock-proof
Type of connecting cable	Non-detachable

Permitted field of application

Operating mode per pump	S3-25%	
Max. permissible pressure in the pressure pipe	p	1 bar
Fluid temperature	T	+3 ... +35 °C
Max. fluid temperature, for short periods up to 3 min	T	35 °C
Max. ambient temperature	T	35 °C

Dimensions/weights

Gross volume	V	85 l
Switching volume	V	30 l
Activation level (measured from the floor)	230 mm	
Dimensions	$Widt$ $h \times$ $heigh$ $t \times$ $dept$ h	720 x 880 x 710 mm
Free ball passage	35 mm	
Weight approx.	m	38 kg

Connections

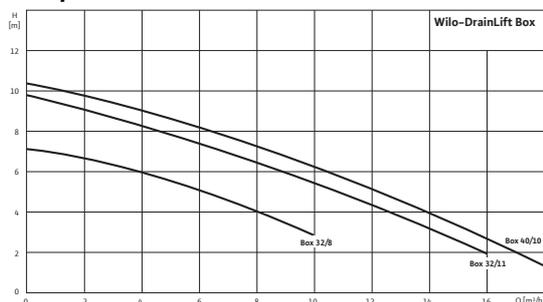
Pressure connection	Rp 1½	
Flanges (according to EN 1092-2)	PN	-
Connection standard	DIN 8074	
Maximum operating pressure	p_{max}	2 bar
Inlet connection	DN 100	

Data sheet: Wilo-DrainLift Box 40/10

Venting	DN 100
Installation sundries	
Fixation material	–
Kit for pressure pipe connection	•
Curve cutter for inlet borehole	–
Keyhole saw for inlet borehole	–
Inlet seal	–
Soundproofing material	–
Materials	
Motor housing	Stainless steel
Pump housing	Cast iron
Impeller	Cast iron
Tank	Plastic
Information for order placements	
Make	Wilo
Art no.	2521822
EAN number	4016322705758
Price group	PG7

Data sheet: Wilo-DrainLift Box 32/8

Pump curves Wilo-DrainLift Box - 50 Hz - 2900 rpm



According to EN 12056-4, 6.1, flow velocity (in the pressure pipe) must be kept between 0.7 and 2.3 m/s.

The stated Qmin values apply to the inside diameter of single-walled steel pipes.

Motor data

Mains connection	1~230 V, 50 Hz	
Rated current	I_N	2.1 A
No. of poles	2	
Activation type	Direct	
Insulation class	F	
Protection class	IP 67	
Max. switching frequency	60 1/h	

Cable

Length of connecting cable	10 m
Mains plug	Shock-proof
Type of connecting cable	Non-detachable

Permitted field of application

Operating mode per pump	S3-15%	
Max. permissible pressure in the pressure pipe	p	1 bar
Fluid temperature	T	+3 ... +35 °C
Max. fluid temperature, for short periods up to 3 min	T	90 °C
Max. ambient temperature	T	35 °C

Dimensions/weights

Gross volume	V	85 l
Switching volume	V	22 l
Activation level (measured from the floor)	250 mm	
Dimensions	Width h x height t x depth h	720 x 880 x 710 mm
Free ball passage	10 mm	
Weight approx.	m	30 kg

Connections

Pressure connection	G 1¼	
Flanges (according to EN 1092-2)	PN	-
Connection standard	DIN 8074	
Maximum operating pressure	p_{max}	2 bar
Inlet connection	DN 100	

Data sheet: Wilo-DrainLift Box 32/8

Venting	DN 100
Installation sundries	
Fixation material	–
Kit for pressure pipe connection	•
Curve cutter for inlet borehole	–
Keyhole saw for inlet borehole	–
Inlet seal	–
Soundproofing material	–
Materials	
Motor housing	Stainless steel
Pump housing	Plastic
Impeller	Plastic
Tank	Plastic
Information for order placements	
Make	Wilo
Art no.	2521820
EAN number	4016322705765
Price group	PG7