PENTAIR JUNG PUMPEN

VACUBOX

DRENA-LINE LIFTING STATION



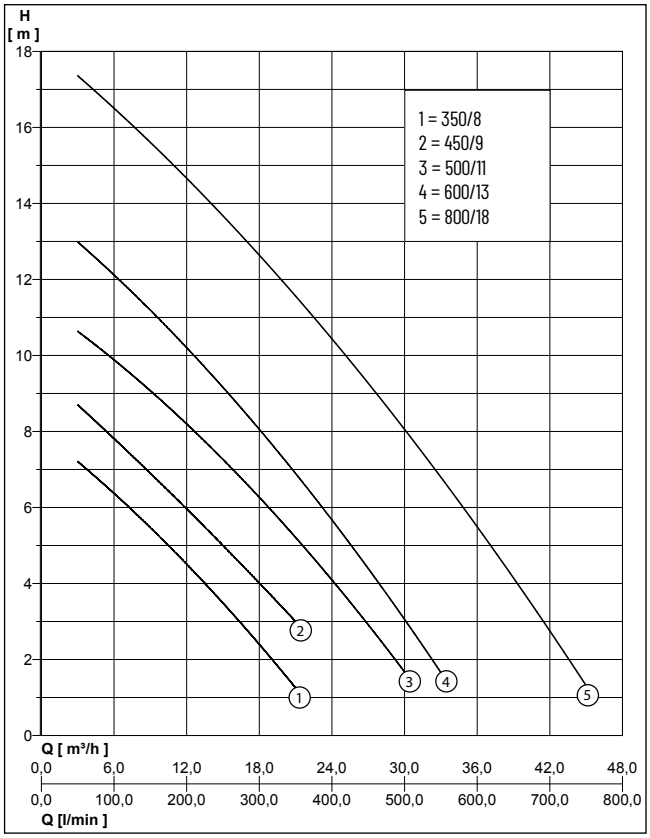
- 240l water-tight tank under floor
- Variable installation depth
- Compact dimensions
- Floor drain with odour trap
- Wide range
- Installation above floor and
- Sturdy and resistant

DESCRIPTION

VACUBOX 200 is for bigger domestic wastewater volume and larger storage capacity. Without requiring a great deal of construction work, it disposes of domestic wastewater from laundries, storage or cellar areas.

VACUBOX 200 can be installed as a single as well as a duplex system. The required components for the installation of the pumps are part of the scope of supply. The duplex system provides bigger security in the disposal of wastewater. In normal operation the two pumps operate alternately or at the same time to cope with peak load. The pump to be placed can be selected according to the amount of wastewater, the type of dirty water and the pumping power required. By adjusting the plastic cover frame, the sump cover can be adapted easily and variably to the floor and tile conditions. The unit is compliant with EN 12050 standard.

PERFORMANCE



Type	Delivery head H [m]	3	4	5	6	7	8	9	10	11	12	14	16
PRIOX 50-350/8 EN M/T	Flow rate Q [m^3/h]	16.5	13.5	10.5	7.1	3.7							
PRIOX 50-450/9 EN M		21.0	18.0	16.0	12.0	9.0							
PRIOX 50-500/11 EN M/T		26.8	24.3	21.5	18.8	15.8	12.5	9.0	5.5				
PRIOX 50-600/13 EN T		30.0	28.0	25.5	23.2	20.5	18.2	15.1	12.5	9.7	6.3		
PRIOX 50-800/18 EN T			39.0	36.9	34.8	31.0	30.0	27.5	25.0	22.8	19.9	14.0	7.8

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SCOPE OF SUPPLY

Vacubox 200 above floor tank with cover, in-tank pressure pipe, swing-type check valves, closing plug for cable inlet, 4 hose connectors, 8 hose clips, PP pipe, cover seal, buoyancy protection.

Vacubox 200 underfloor tank, in-tank pressure pipe, swing-type check valves, cover frame, gasket and cover plate with closing plug. Closing plug for cable inlet, 4 hose connectors, 8 hose clips, PP pipe, profiled seal, complete siphon, 2 90º bends, damp-room seal.

Attention: According to EN 12050-1, the pumping of waste water containing feaces is only permitted with the Vacubox 200-50 tank (above floor) with the pumps PRIOX 50-450/9 EN M, PRIOX 50-450/9 EN M AUT, PRIOX 50-500/11 EN T, PRIOX 50-600/13 EN T and PRIOX 50-800/18 EN T.

MECHANICAL DATA

Free passage	50 mm	Mechanical seal	Silicon carbide. Lubricated in oil chamber.
Bearing	Self-lubricating ball bearings.	Counterface	Silicon carbide. Lubricated in oil chamber.
Oil chamber	Yes	Type of liquid	waste water with suspended solids of maximum size 50 mm.
Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Temperature of the liquid max.	40 °C
Impeller	Stainless steel X5CrNi18-10 (AISI 304)		
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)		

ELECTRICAL DATA

Power line	10m H07RN-F	Insulation class	F
Type of enclosure	IP 68	Rotation speed	2850 rpm

VACUBOX

Type	**Code No.**	Weight
VACUBOX 200-50 TANK (EN 12050-1)	**JP48190**	29 kg
VACUBOX 200-50 UNDERFLOOR (EN 12050-2)	**JP48191**	37 kg

PRIOX

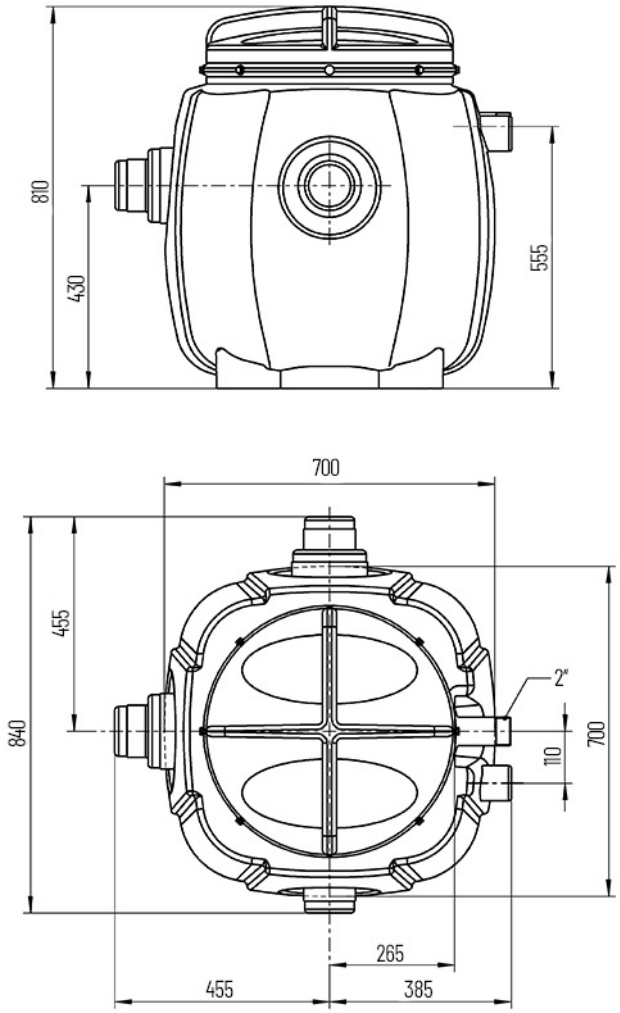
Type	**Code No.**	Voltage	Motor rating		Current
			P1	P2	
PRIOX 50-350/8 EN M	**N2110210**	1/N/PE~230 V	0.98 kW	0.65 kW	3.8 A
PRIOX 50-350/8 EN M AUT	**N2110200**	1/N/PE~230 V	0.98 kW	0.65 kW	3.8 A
PRIOX 50-350/8 EN T	**N2110220**	3/N/PE~400 V	0.98 kW	0.65 kW	1.7 A
PRIOX 50-450/9 EN M	**N2110290**	1/N/PE~230 V	1.10 kW	0.80 kW	5.0 A
PRIOX 50-450/9 EN M AUT	**N2110280**	1/N/PE~230 V	1.10 kW	0.80 kW	5.0 A
PRIOX 50-500/11 EN M	**N2110240**	1/N/PE~230 V	1.55 kW	1.00 kW	7.0 A
PRIOX 50-500/11 EN M AUT	**N2110230**	1/N/PE~230 V	1.55 kW	1.00 kW	7.0 A
PRIOX 50-500/11 EN T	**N2110250**	3/N/PE~400 V	1.40 kW	1.00 kW	2.4 A
PRIOX 50-600/13 EN T	**N2110260**	3/N/PE~400 V	1.80 kW	1.20 kW	3.1 A
PRIOX 50-800/18 EN T	**N2110270**	3/N/PE~400 V	3.00 kW	2.40 kW	5.5 A

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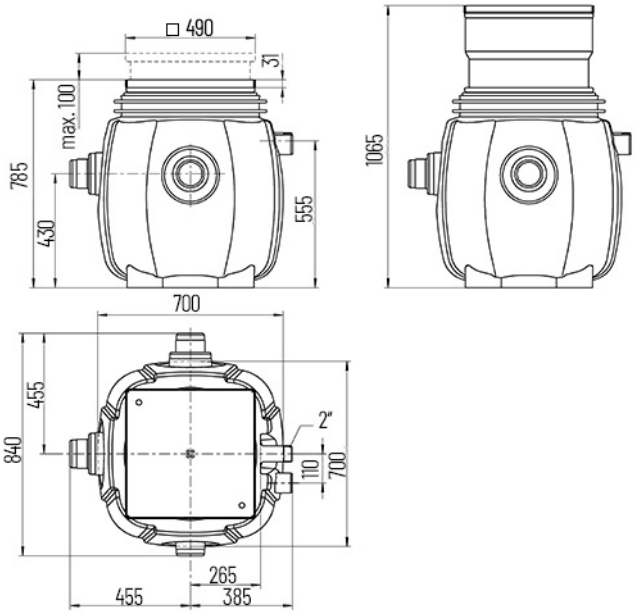
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DIMENSIONS (ABOVE FLOOR VERSION)



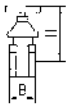
DIMENSIONS (UNDERFLOOR VERSION)



DIMENSIONS [mm]

Type	H	L	W
VACUBOX 200-50 TANK (EN 12050-1)	820	840	840
VACUBOX 200-50 UNDERFLOOR (EN 12050-2)	795	840	840

MECHANICAL ACCESSORY

				Code No.
	(1) **Stop valve**	brass, 2" (DN 50), PN 16	140x70 (HxB)	**JP44787**
	(2) **Special ventilation**	special filter with housing, not for hot water		**JP27484**
	(3) **Guide rail system**	GR50 for Vacubox 200		**JP48280**

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MECHANICAL ACCESSORY

			Code No.
	(4) **Ground water seal sump**	Ø500 for Baufix 200-50/Vacubox 200	**JP48215**
	(5) **Sump extension**	165-265 mm for Baufix 200-50 / Vacubox 200	**JP48282**

ELECTRICAL ACCESSORY

			Code No.
	(a) **Control for single units**		
	Easycontroller D10-110	Priox 50-350/8 EN T, Priox 50-500/11 EN T	**UZ014080**
	Easycontroller D10-150	Priox 50-600/13 EN T	**UZ014090**
	Easycontroller D10-220	Priox 50-800/18 EN T	**UZ014100**
	Easycontroller M10-240	Priox 50...EN M	**UZ014110-1**
	Level control		
	Subm. switch pack A250		**ZA012450**
	Subm. switch pack AF250	for grease-containing wastewater	**ZA012460**
	(b) **Control for duplex units**		
	Easycontroller D20-110	Priox 50-350/8 EN T, 50-500/11 EN T	**UZ014150**
	Easycontroller D20-150	Priox 50-600/13 EN T	**UZ014140**
	Easycontroller D20-220	Priox 50-800/18 EN T	**UZ014130**
	Easycontroller D20-240 VB	Priox 50... EN M	**UZ014120-1**
	Level control		
	Submersible switch pack B250	for Hebefix 200-50 / Baufix 200-50 / Vacubox 200	**JP48229**
	Submersible switch pack BF250	for grease-containing wastewater	**JP48299**

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