

Domestic package pumping station



Twin pump version



Switchgear



Single pump version

Field of application

- Waste water
- Greasy water
- Pumping of water lying under sewer level
- Sewage
- Rain water

Characteristics

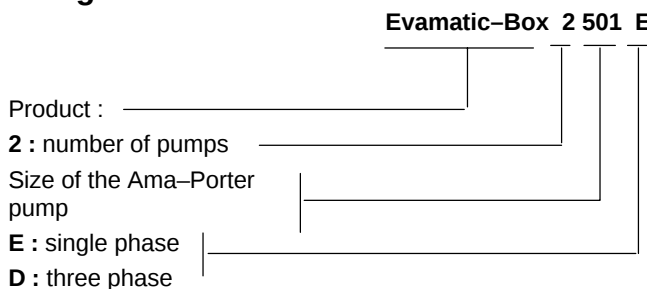
Q : up to 40 m³/h, (11 l/s).

H : up to 21 m.

t° maxi : 40 °C. Occasionally 70°C (3 to 5 min.)

Solids passage : 45 to 60 mm

Designation



Material of tanks

Water sealed box in high-density polyethylene with PVC pipes.

Scope of supply

The Evamatic boxes are equipped with:

- 1 access cover Ø 530 mm
- 1 ventilation opening Ø 100 mm
- 1 inlet Ø 100 mm
- 1 or 2 discharge outlets DN 50 or 65 mm

CE – EN 12 050-1

Options :

- Hand pump
- Ball valve and valve kit.
- Possible installation of a 250 mm extension piece
- Alarm switchgear (Evamatic-Box twin pumping stations only)

Motor

Single-phase a.c. motor 230 V – 50 Hz with integrated overload protection.

Three-phase asynchronous motor 400 V – 50 Hz, d.o.l. starting.

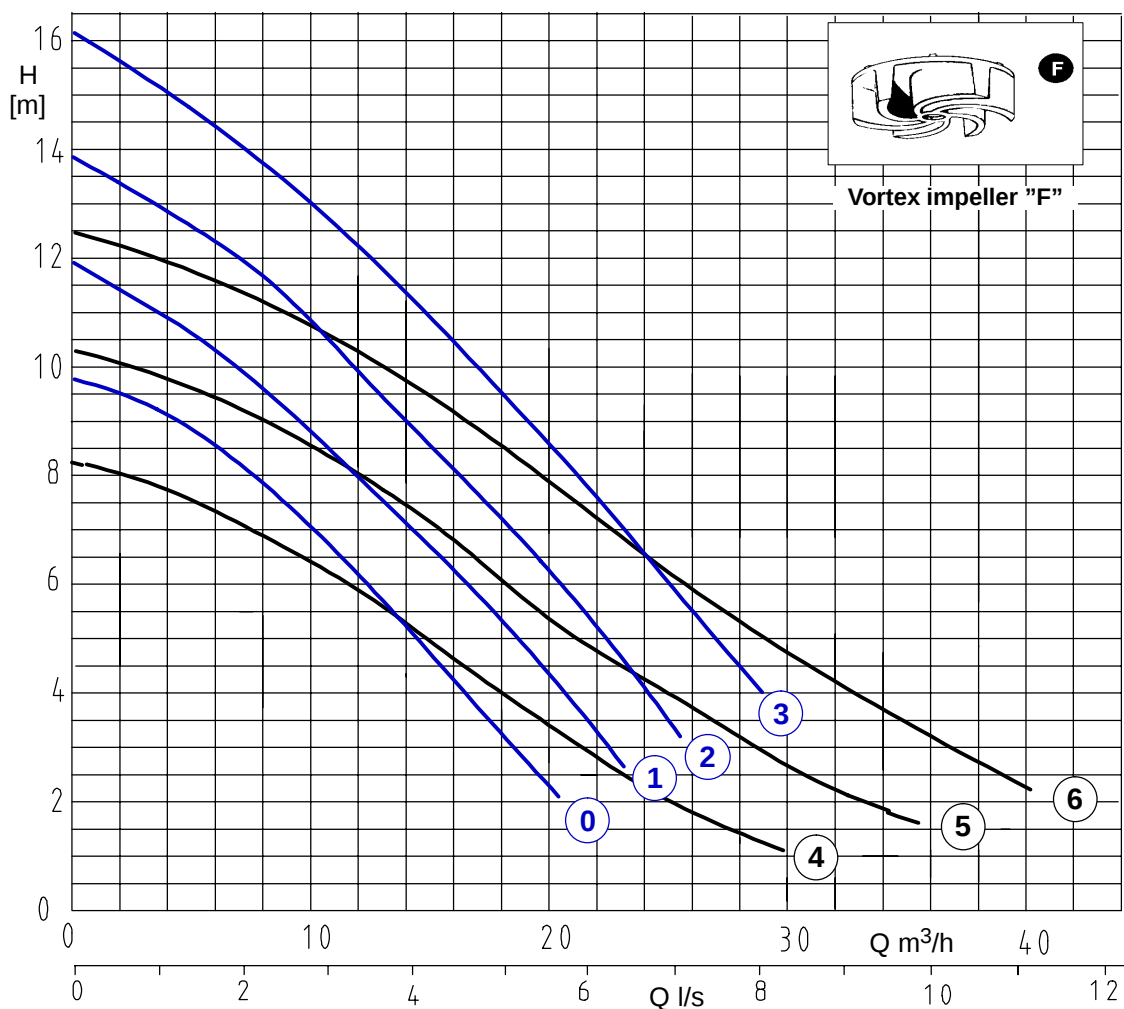
Motors IP 68, thermal class F to EN 60529 / IEC 529.

Advantages

- Strong, stand alone, fully automatic system
- Market leading product for domestic or commercial applications
- Simple installation, either free standing or buried in the ground
- Supplied ready for installation
- No clogging (Vortex or cutter impeller)

The pump must not be used in countries where pumps handling sewage with faeces are subject to explosion protection regulations.

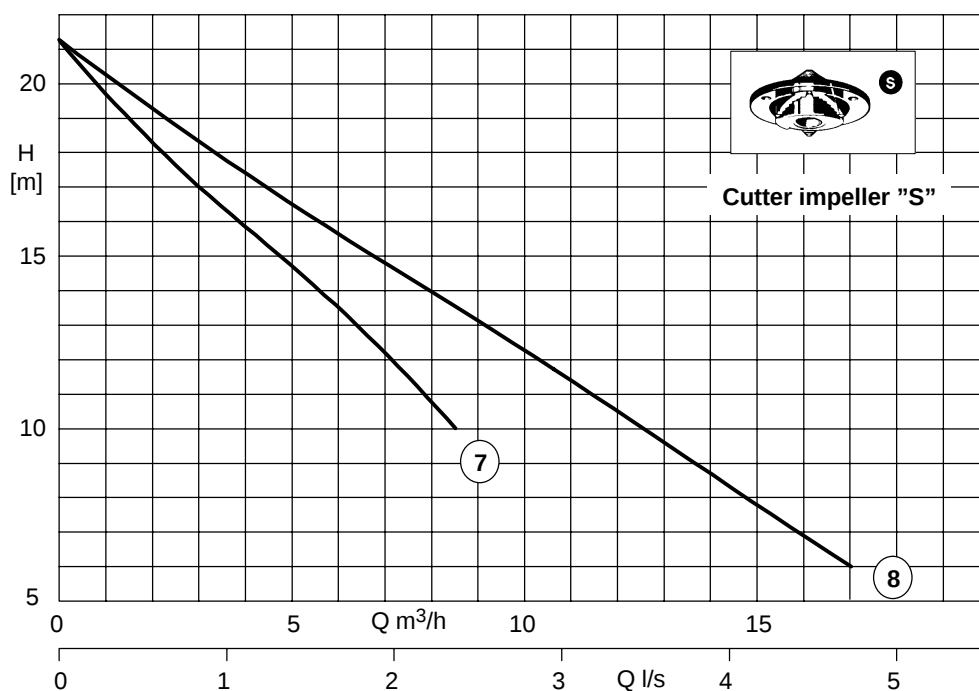
Hydraulic data – 2 900 1/min.



Technical data

Nº	Sizes	Solids passage (mm)	Motor				Total weight (kg)	Ident-Nº
			Speed (1/min)	Rating power (kW)	Current (A)			
					1~ 230 V	3~ 400 V		
Evamatic-Box Single								
0	1500 E	45	2900	0,55	5,0		45	39 022 781
1	1501 E	45	2900	0,75	6,0		45	39 017 481
2	1502 E	45	2900	1,10	8,2		45	39 017 482
3	1503 E	45	2900	1,10	8,2		45	39 017 483
4	1601 E	60	2900	0,75	6,0		48	39 018 502
5	1602 E	60	2900	1,10	8,2		48	39 018 503
6	1603 E	60	2900	1,10	8,2		48	39 018 504
Evamatic-Box Double								
0	2500 E	45	2900	0,55	5,0		110	39 022 782
1	2501 E	45	2900	0,75	6,0		110	39 017 484
2	2502 E	45	2900	1,10	8,2		110	39 017 485
3	2503 E	45	2900	1,10	8,2		110	39 017 486
4	2601 E	60	2900	0,75	6,0		125	39 017 487
5	2602 E	60	2900	1,10	8,2		125	39 017 488
6	2603 E	60	2900	1,10	8,2		125	39 017 489
0	2500 D	45	2900	0,55		2,3	110	39 022 783
1	2501 D	45	2900	0,75		2,8	110	39 017 490
2	2502 D	45	2900	1,10		3,0	110	39 017 491
3	2503 D	45	2900	1,50		3,5	110	39 017 492
4	2601 D	60	2900	0,75		2,8	125	39 017 493
5	2602 D	60	2900	1,10		3,0	125	39 017 494
6	2603 D	60	2900	1,50		3,5	125	39 017 495

Hydraulic data – 2 900 1/min.



Technical data

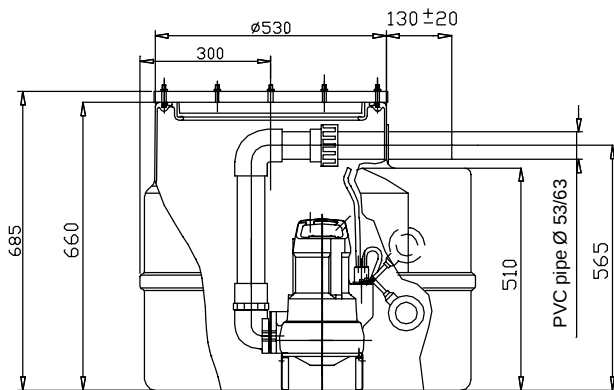
Nº	Sizes	Solids passage (mm)	Motor				Total weight (kg)	Ident–Nº
			Speed (1/min)	Rating power (kW)	Current (A)			
					1 ~ 230 V	3 ~ 400 V		
Evamatic–Box Single								
7	1545 EB	–	2900	1,10	8,2		49	39 018 041
Evamatic–Box Double								
7	2545 EB	–	2900	1,10	8,2		127	39 018 042
8	2545 D	–	2900	1,50		3,5	127	39 018 043

Dimensions

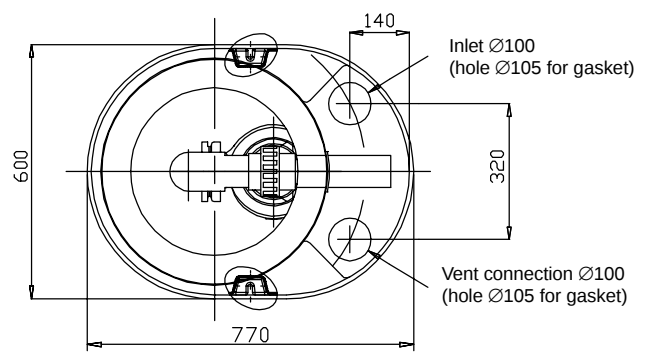
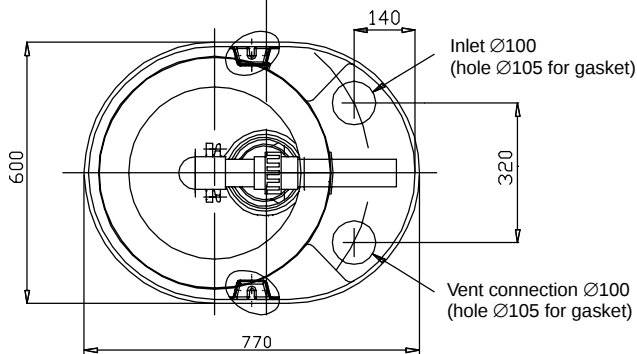
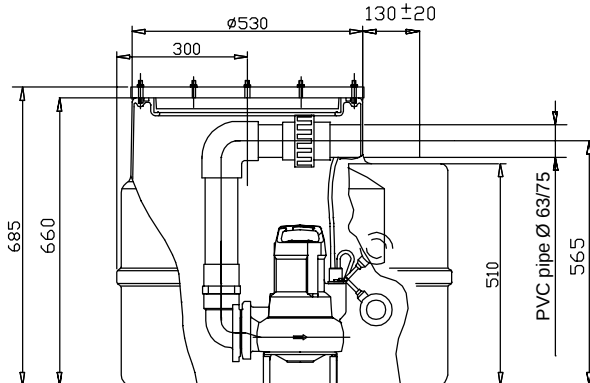
Evamatic-Box Single

PLEASE NOTE: A SWING CHECK VALVE MUST ABSOLUTELY BE INSTALLED IN THE DISCHARGE LINE.

Evamatic-Box 15 -- DN 50

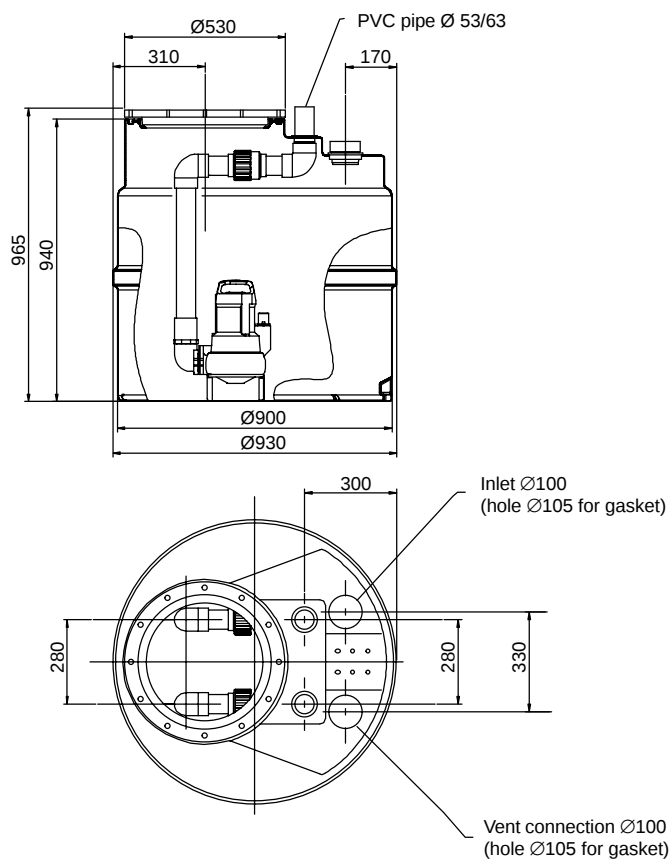


Evamatic-Box 16 -- DN 65

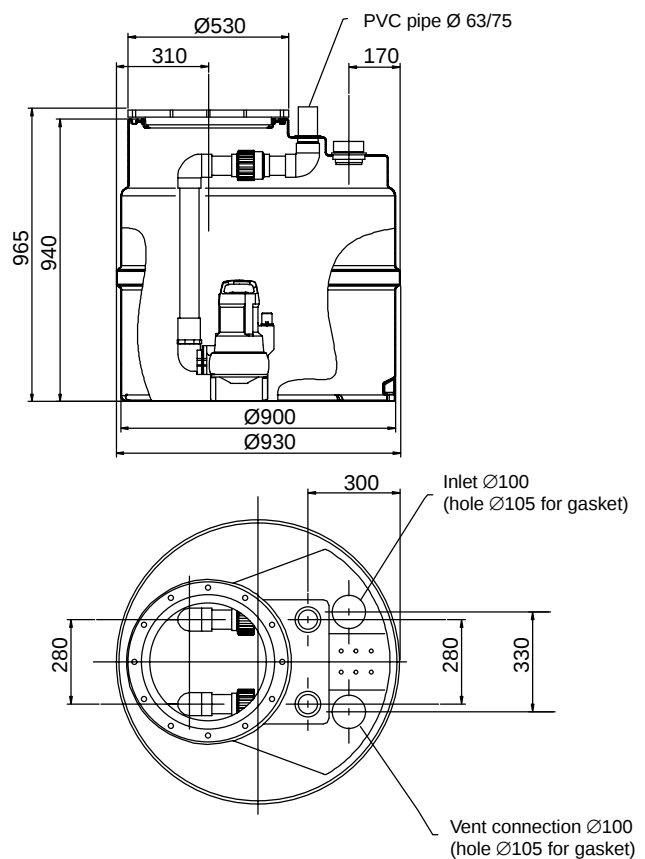


Evamatic-Box Double

Evamatic-Box 25 -- DN 50



Evamatic-Box 26 -- DN 65

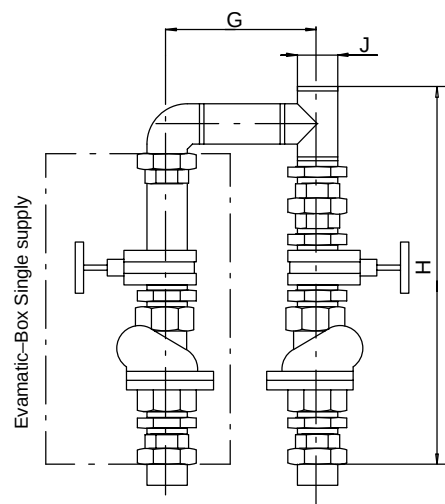


Accessories.

Ball check valve/gate valve set – cast iron and galvanised steel.

Ball valve/Valve kit dimension in mm.

	Evamatic-Box 15_ _	Evamatic-Box 25_ _	Evamatic-Box 26_ _
G		280	280
H		790	665
I	450		
ØJ	Threaded G2"	Threaded G2"	Threaded G2"1/2



Ball check valve/gate valve in P.V.C. – Ball valve kit in P.V.C.

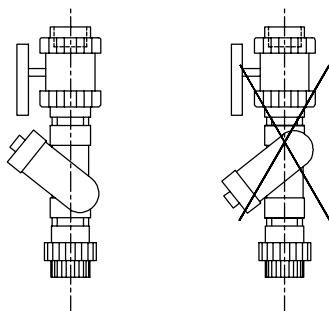
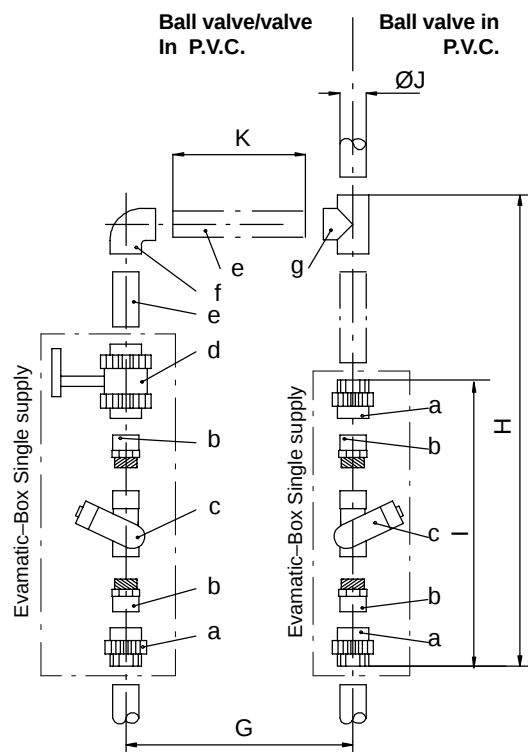
Delivered non-assembled

Ball valve and ball valve/valve kit in mm.

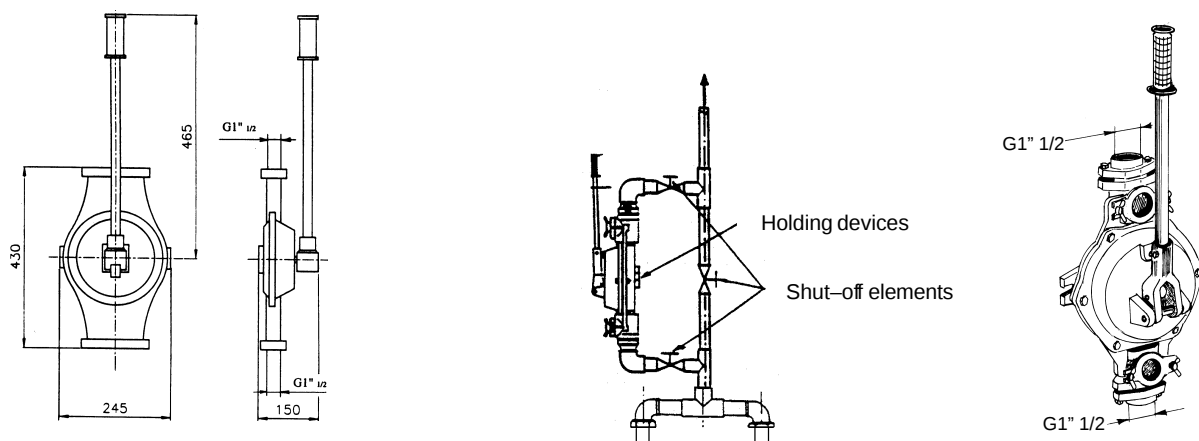
	kit valve				kit ball valve/valve			
	Evamatic-Box				Evamatic-Box			
	15_ _	16_ _	25_ _	26_ _	15_ _	16_ _	25_ _	26_ _
G			280	280			280	280
Hmini			507	640			582	742
I	337	468			412	560		
ØJ	63	75	63	75	63	75	63	75
K			210	198			210	198

Composition kits – DN 50

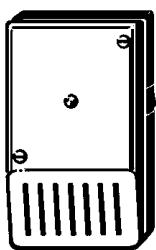
Items	Designation	Evamatic-Box 15_ _ & 16_ _		Evamatic-Box 25_ _ & 26_ _	
		Valve	Ball valve/ valve	Valve	Ball valve/ valve
a	Union junction	2	1	4	2
b	Connection	2	2	4	4
c	Ball valve	1	1	2	2
d	Valve		1		2
e	Pipe PVC	Not supplied		Not supplied	
f	Elbow			1	1
g	T-pipe			1	1



Hand pump



AS 0 alarm switchgear



AS 0 alarm switchgear

Connection to single-phase mains
230 V, 12 V =.

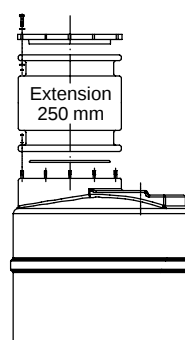
Piezoceramic signal transmitter, 85 dB(A) at a distance of 1 m and 4.1 kHz.

Plastic housing, type of enclosure IP 20, with circuit-breaker and green indicator lamp for "operation".

Dimensions: 140 x 80 x 57 mm.

For Evamatic-Box twin pumping stations only

Cover extension piece



		Evamatic-Box				Weight kg	Ident-Nr
		15_ _	16_ _	25_ _	26_ _		
Hand pump		●	●	●	●	12,0	00 520 485
Cover extension	250 mm	●	●	●	●	4,5	39 021 885
Alarm trigger unit AS 0				●	●	0,4	29 128 401
Ball valve/valve kit – Steel	DN 50	●				6,0	39 000 783
				●		20	39 000 853
	DN 65				●	30,5	39 000 850
Valve kit PVC	DN 50	●				1,4	39 017 980
				●		4,7	39 017 982
	DN 65		●			3,2	39 018 142
					●	8,8	39 018 144
Ball valve/valve kit PVC	DN 50	●				3,2	39 017 981
				●		7,4	39 017 983
	DN 65		●			5,2	39 018 143
					●	13,5	39 018 145

Evamatic-Box Single

- 1 box in high-density polyethylene with UV protection; capacity 190 l.
- 1 cover Ø 530 mm.
- 2 sleeves Ø 100 with seal for inlet and ventilation.
- 1 kit for installation of the pump.
- 1 outlet cable + 1 male plug.
- 1 transportable submersible motor pump set (Ama-Porter 5 __, 6 __, S 545) mounted on box bottom – easy and quick dismantling.
- Float switch (on/off) mounted directly on the pump

Evamatic-Box Double

- 1 box in high-density polyethylene with UV protection; capacity 500 l.
- 1 cover Ø 530mm.
- 2 sleeves Ø 100 with seal for inlet and ventilation.
- 2 discharge pipes in PVC nominal diameter 50/65.
- 1 set of outlet cable.
- 2 transportable submersible motor pumps sets (Ama-Porter 5__ NE, 5__ ND, 6__ NE, 6__ ND ou S 545)
- 3 float switches for pump on/off control 2 for automatic operating, 1 for high level alarm (alarm to order separately)
- For all designs, 1 switchgear of series AC to standard NF C 15.100.

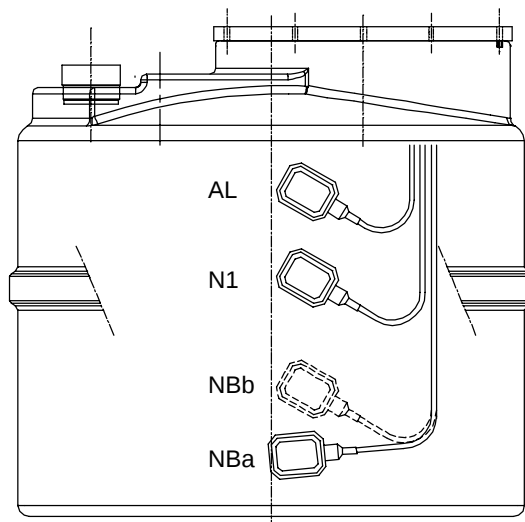
Automatic operating mode

Evamatic-Box Single

Automation is ensured by the float switch (on/off) which is installed directly on the pump.

Evamatic-Box Double

Three float switches are installed inside the box at the levels NB, N1 and AL.



NBa –Pumps 1 & 2 switched off
 NBb – Pump 1 switched on
 N1 – Pump 2 switched on
 AL – Alarm

There is a cyclical starting in the control panel at each switch on (pump n^{br} 1 becomes pump n^{br} 2 and vice versa).



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