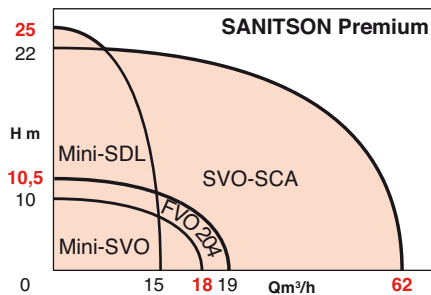


## OPERATING RANGE

Flow rates up to:	62 m <sup>3</sup> /h
TMH up to:	25 m
Temperature:	+ 35°C*
Passage grading:	Ø 10 to 44 mm
Waste inlet:	DN 100
Waste discharge:	1 <sup>3/4</sup> to 2 <sup>1/2</sup>
Ventilation opening:	Ø 75 mm
Electric sleeve opening:	Ø 63 mm

\*+ 60°C with intermittent operation for 5 min.



## ADVANTAGES

- Flexibility of applications:
  - Internal and external system.
  - Adapted to branched pressurised networks.
  - Can be fully buried.
  - Wide range of pumps available
  - High-density large-capacity polyethylene tank: corrosion resistant and 100% watertight.
- Adaptable thanks to possibility of inlet holes all around the tank.
- Flexible system thanks to screwed 30cm height extension (optional).
- Ease of use:
  - Wide range of accessories supplied.
  - The screwed lid is opened and closed manually.
  - Lid locked using screw provided.
  - Possibility of operation with two pumps at the same time.
  - Principle of “all in one”: non-return valve, stop valve and integrated assembled internal piping.
  - “Ready-to-assemble” domestic range.
- Easy maintenance and service:
  - Pumps easy to dismantle.
  - Integrated attachment for level adjustment.
  - Two carrying handles.
  - 100% impervious (odours, gases and liquids).

# SANITSON PREMIUM

**PUMPING STATIONS**  
**Rainwater and/or waste water**  
**Domestic and collective**  
**systems - 50 Hz**  
 Compliance with standards EN 12050-1 or -2 inside buildings and EN 752 outside

## APPLICATIONS

Pumping station for waste water or valves with or without particles or faecal matter when the evacuation level is lower than the collection network: Bathrooms, toilets, showers, kitchens...

- Individual housing
- Group housing
- Local community (restaurants, sports grounds, camp-sites, local authorities...)



# SANITSON PREMIUM

## DESIGN

- Monobloc tank in high-density polyethylene, large capacity: impervious, corrosion and shock resistant.
- Screwed lid fitted with a seal.
- Choice of waste inlet holes (hole saw and DN 100 joint included).
- Equipped with one or two submersible single or three-phase pumps, silent motor, 50 Hz, vortex or single-channel grinding impellers.
- Level adjustment adapted to different types of pumps. Prevents blocking with grease.
- Protection and switch box determined according to pump type.
- Possibility of height adjustment.

### Two pump model:

- Permanently available thanks to the "back-up" pump.
- Possibility of cascade operation in case of a sudden increase in flow.

## UNIT DESCRIPTION



## IDENTIFICATION

### SANITSON Premium-2-SVO 206- 1,1M

Synthetic pumping station \_\_\_\_\_

2 = 2 pumps; nothing = 1 pump \_\_\_\_\_

Name of pump \_\_\_\_\_  
 no pump name = domestic version  
 (Mini SVO, SVO 205 or FVO 204, depending on version).  
 with pump name = professional version  
 (Mini SDL 204, SVO 205 or SVO 206, depending on version).

Number of poles \_\_\_\_\_

Nominal discharge diameter (cm) \_\_\_\_\_

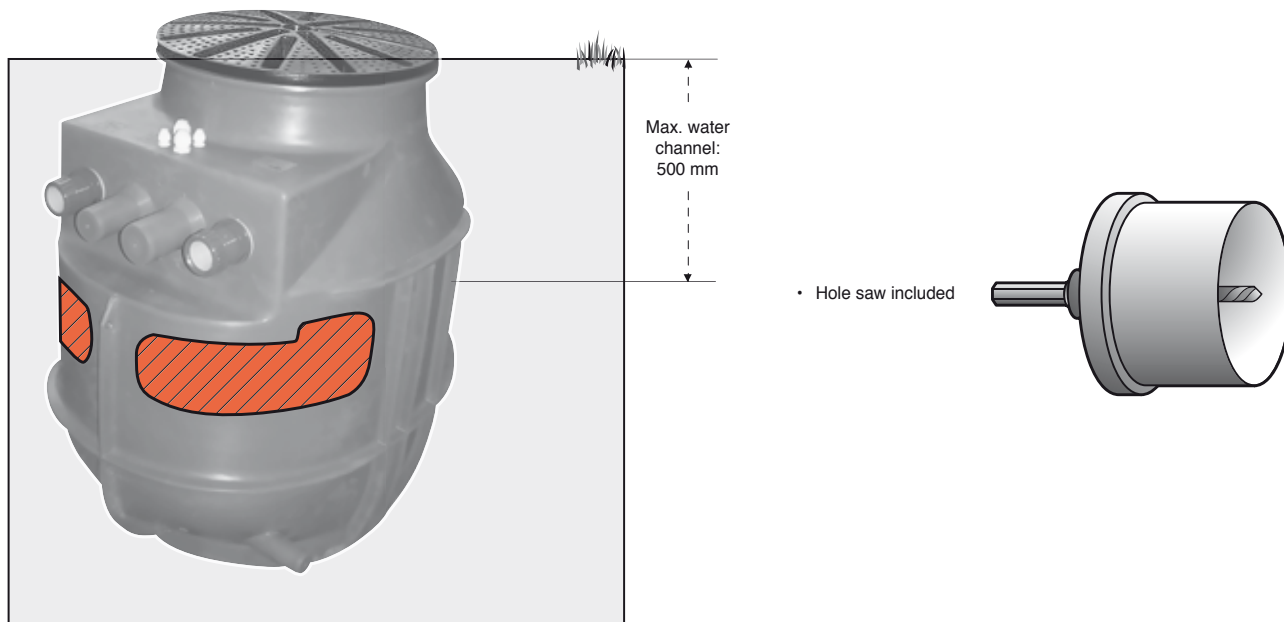
Motor power P2 (kW) \_\_\_\_\_

M = single phase \_\_\_\_\_  
 MBF = single phase with starter box and float  
 T = three phase

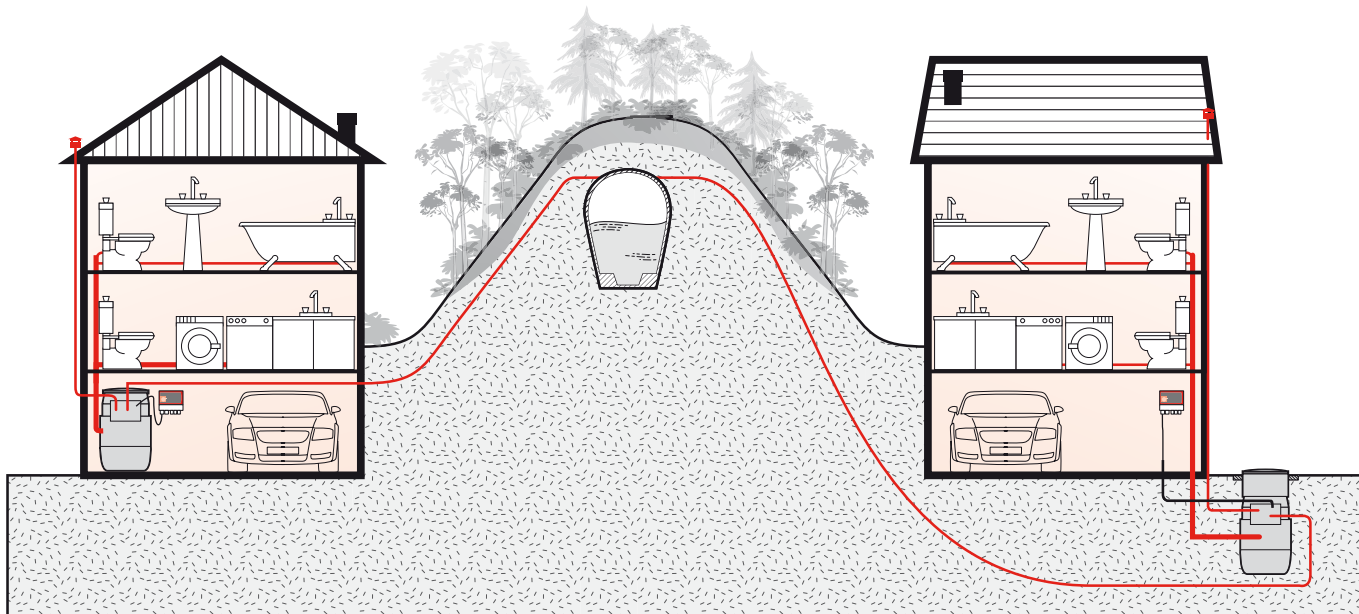
- 1 - High-density polyethylene tank Interior: one or two submersible pumps.
- 2 - Connection box delivered with the single-phase pump for the SANITSON Premium - domestic one pump.
- 3 - Lid with seals.
- 4 - Carrying handles.
- 5 - Discharge openings for waste.
- 6 - Ventilation opening.
- 7 - Opening available for electric sleeve (for buried system).
- 8 - Cable glands (for interior systems).
- 9 - Choice of waste inlet holes (see page 3).
- 10 - Tank drain hole, hand pump system.
- 11 - Switch box.
- 12 - 30 cm height increase (optional).

# SANITSON PREMIUM

## WASTE INLET HOLE ZONES

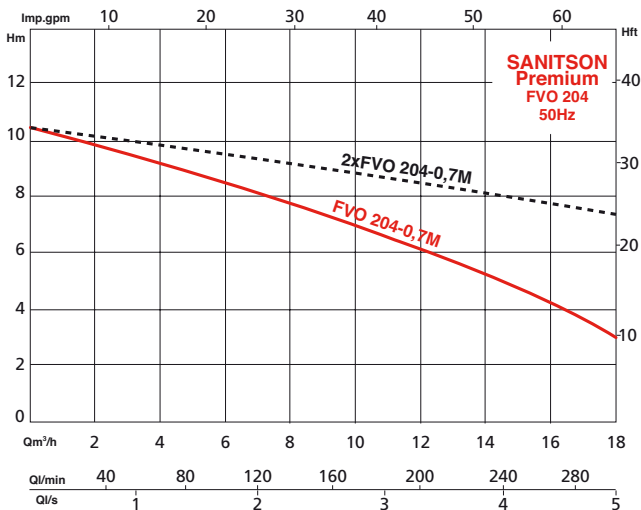
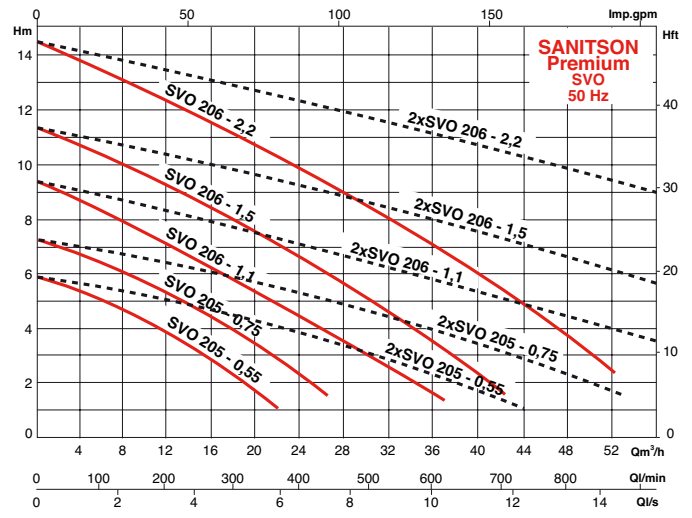
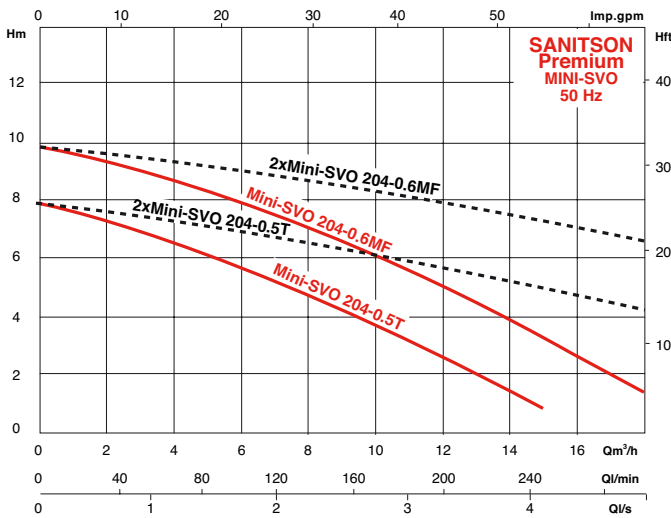
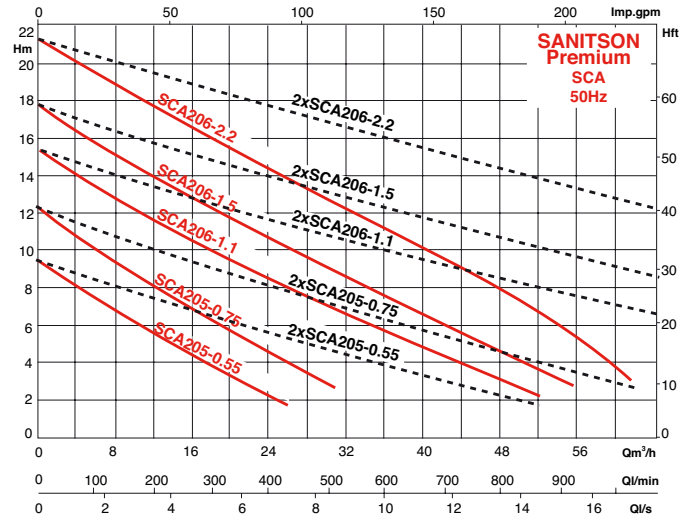
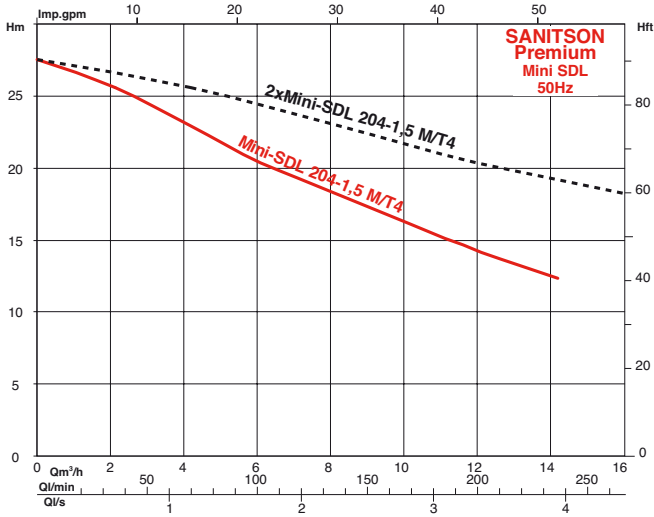


## FUNCTIONAL SYSTEM DIAGRAM



# SANITSON PREMIUM

## HYDRAULIC PERFORMANCES - MOTORS 2900 REV/MIN



# SANITSON PREMIUM

## SWITCH BOXES

### • SALMSON MS Lift

for Sanitson-Premium 204-0,5-T4



#### Application

Switch box for the automatic management of pumps and pumping units up to 4kW.

#### Technical features

- Operating voltage: 1 ~ 230 V  
3 ~ 400 V
- Frequency: 50/60 Hz
- Max. breaking power: P2 ≥ 4 kW  
(3 ~ 400 V)
- Max. current: 12A
- Protection type: IP54
- Protection with fuses: 16A, AC3 (not supplied)
- Ambient temperature: -10 °C to +40°C
- Alarm contact: Max. contact load 250 V, 1A~
- Operating indication contact: Max. contact load. 250 V, 1A~
- Transformer protection fuse: 100 mA/500V

### • SALMSON YN 3100

for SANITSON Premium professional one pump version



#### Application

These switch boxes can be used to manage one (YN3112) or two (YN3212) pumps with a maximum absorbed power of 4 kW.

#### Technical features

- Operating voltage: YN3112 T4, YN 3212 T4: 3 ~ 400 V (L1,L2,L3,PE)  
YN3112 M, YN 3212 M: 1 ~ 230 V (L,N,PE)
- Frequency: 50/60 Hz
- Maximum connected power: P2 ≥ 4 Kw
- Intensity range: 0,3 -12,0A (M or T4)
- Protection type: IP 65
- Temperature range: -20 to +60°C
- Alarm contact: Contact load 250 V, 1 A

All the signal and control elements can be found on the front of the switch box.

Easy to use thanks to configured switch box operated with keys and a red rotating button on the front.

Changes in the adjustment values (by means of a digital potentiometer) are immediately displayed in light text on the LCD screen

The filling level of the station is indicated in cm (with IPAE 0-1mCE).

The electronic control system is placed in a wall-mounted case (IP65).

#### Advantages:

- Innovative: adjustment of levels by IPAE
- Easy installation: adjustments are made outside the tank.
- Easy maintenance thanks to a pump starting meter and an hourly operating meter.

#### Security:

- In the event of a prolonged stoppage, the box sends an automatic impulse to the pumps to clean the mechanical seal.
- Automatic resetting.
- Management of the parallel alignment of two pumps in the event of a strong flow (YN3200).

#### Open-ended:

Allows for activation of signal.

### • SALMSON YN 3200

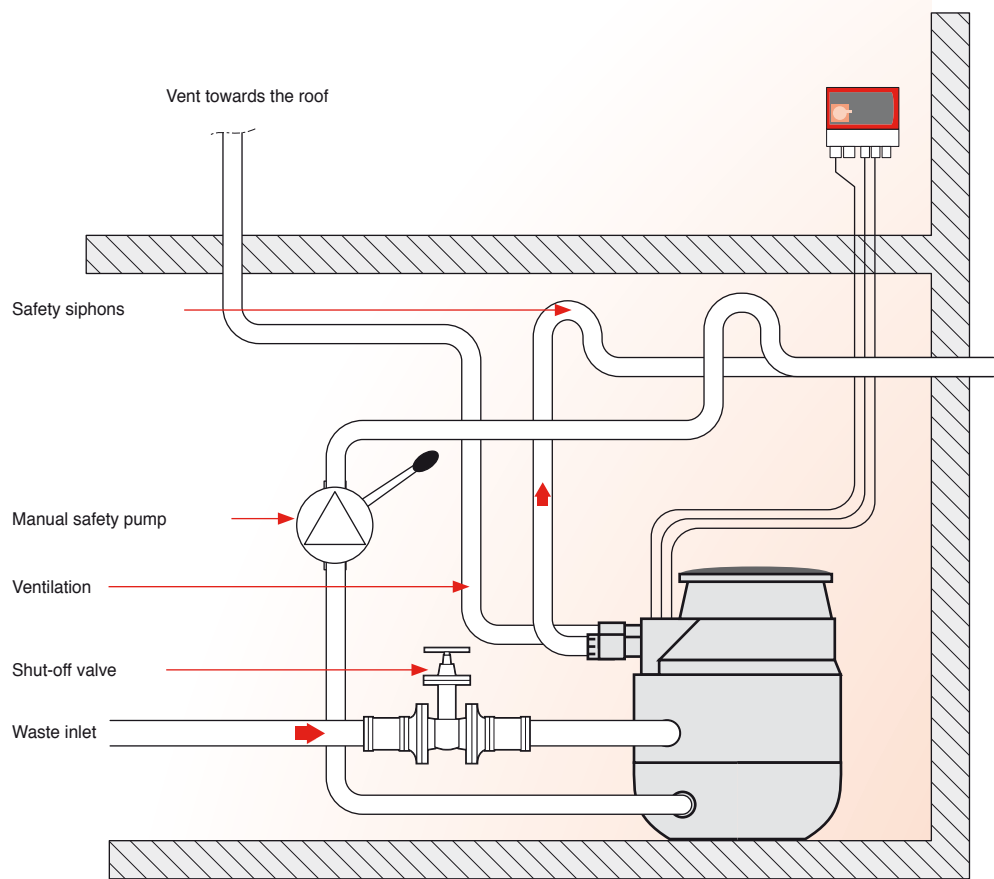
for SANITSON Premium domestic and professional two pump version



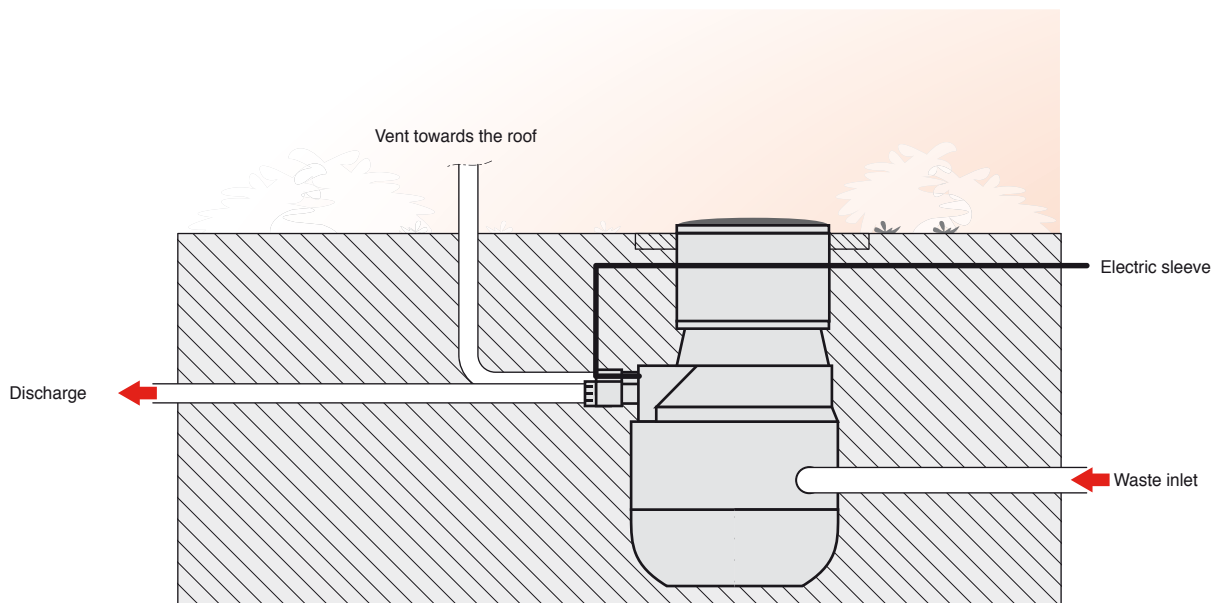
# SANITSON PREMIUM

## CONNECTIONS AND ACCESSORIES

### • Example of interior system



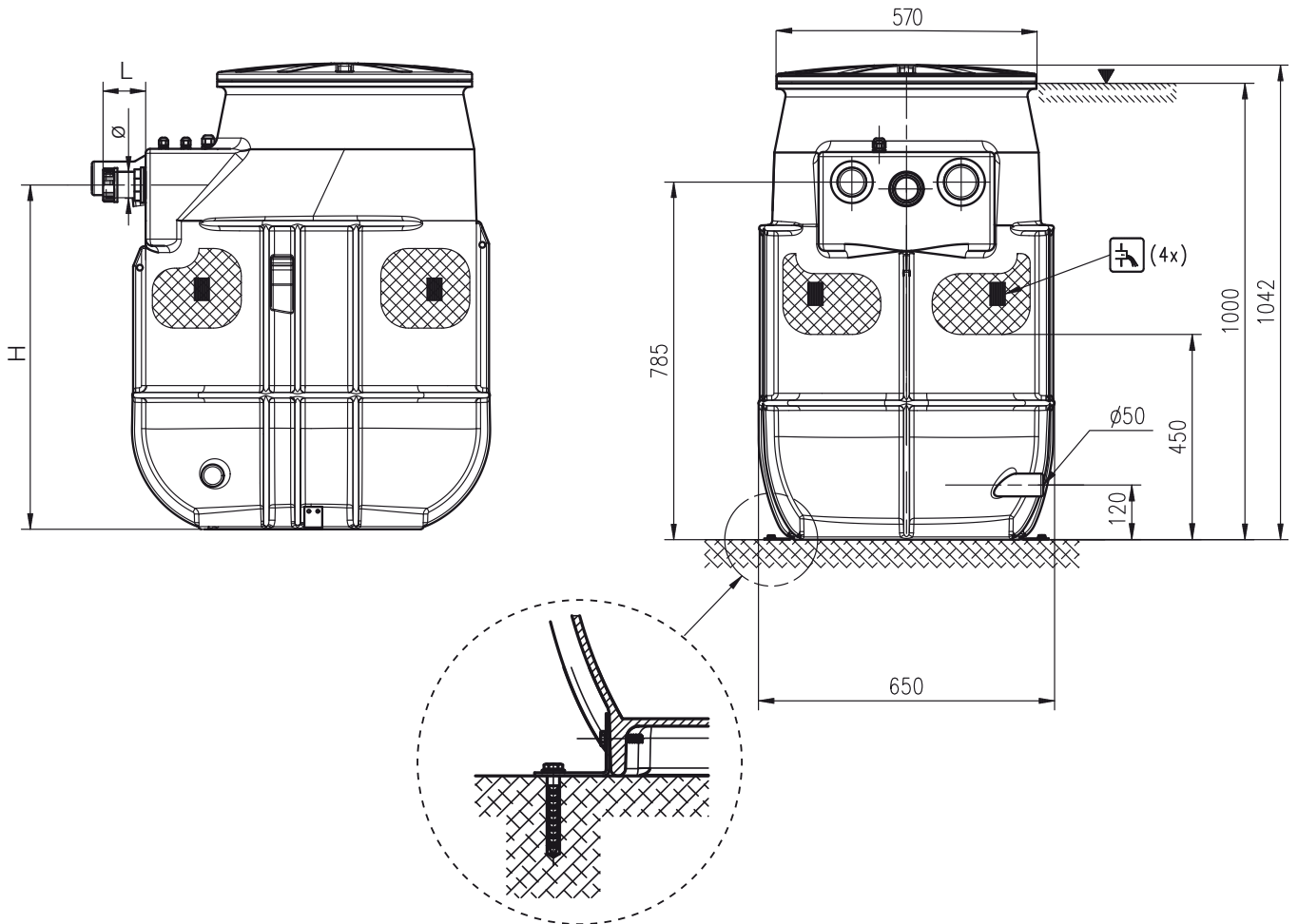
### • Example of exterior system buried with height adjustment (maximum of one)



# SANITSON PREMIUM

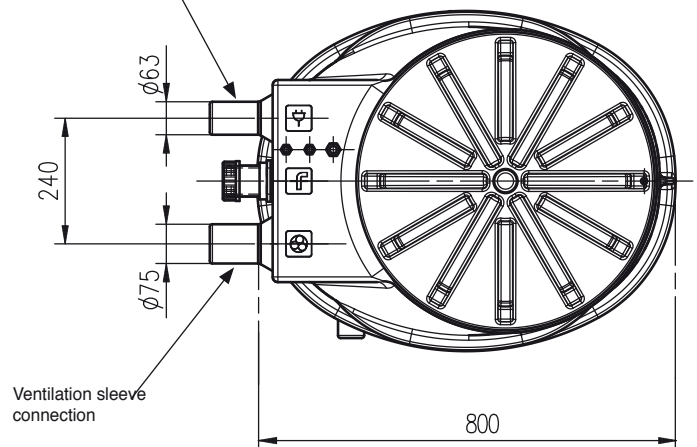
## DIMENSIONAL FEATURES – SANITSON PREMIUM - VERSION 1 PUMP

• SANITSON Premium - version 1 pump



	Domestic version			Professional version		
	Mini -SVO 204	FVO 204	SVO 205	Mini SDL 204	SVO 205	SVO 206
Volume Total (l)	255	255	255	255	255	255
H (mm)	770	770	770	735	735	735
L (mm)	100	60	50	95	65	65
Ø	G2"	G2" <sup>1/2</sup>	G2" <sup>1/2</sup>	G1" <sup>1/2</sup>	G2"	G2"

Electric sleeve connection  
(buried system)

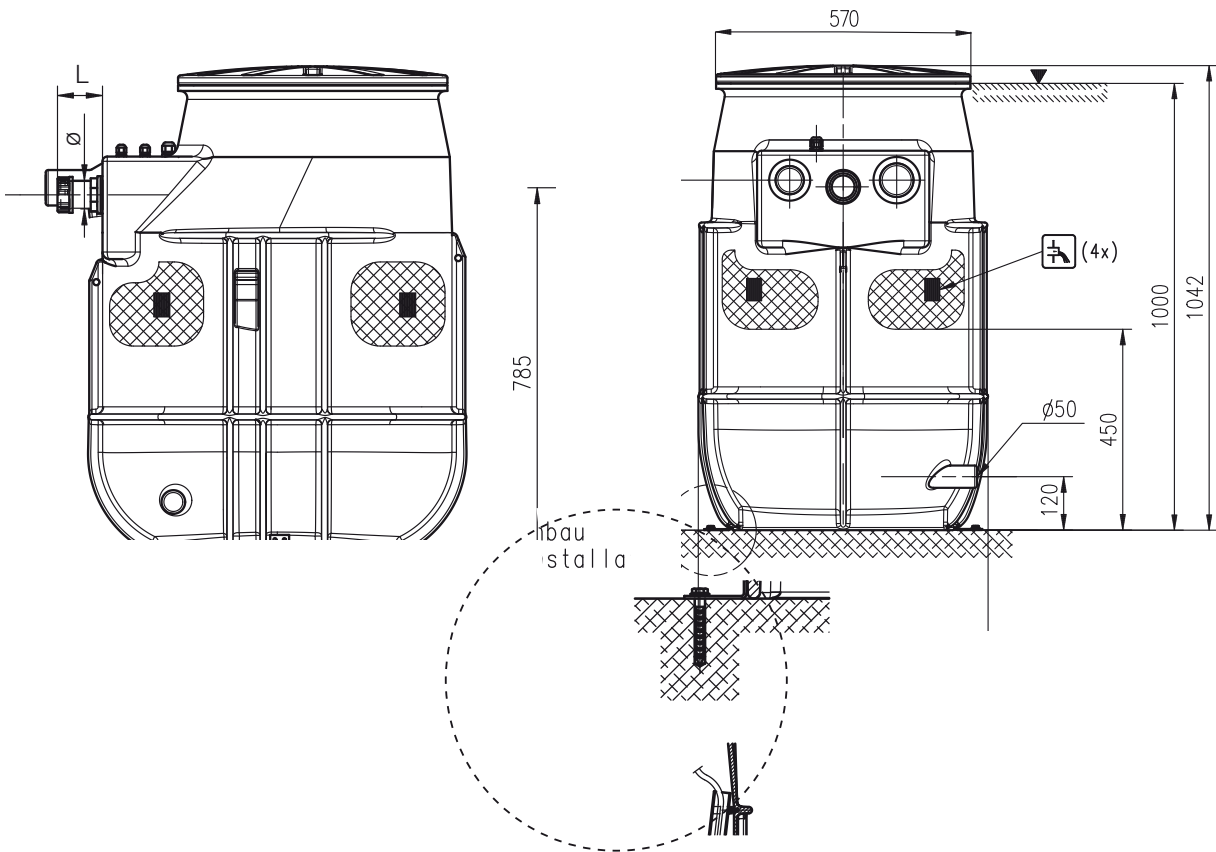


# SANITSON PREMIUM

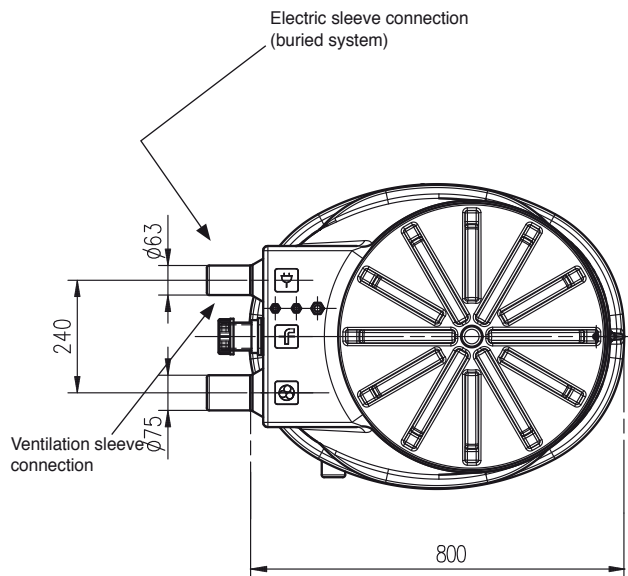
## DIMENSIONAL FEATURES – SANITSON PREMIUM - VERSION 2 PUMPS

•SANITSON Premium - 2 pumps

Einzel  
detail  
für L  
für ov



	Domestic version			Professional version		
	Mini - SVO 204	FVO 204	SVO 205	Mini SDL 204	SVO 205	SVO 206
Volume Total (l)	400	400	400	400	400	400
H (mm)	770	770	770	745	745	745
L (mm)	100	60	50	100	75	75
Ø	G2"	G2 <sup>1/2</sup>	G2 <sup>1/2</sup>	G1 <sup>1/2</sup>	G2"	G2"





# SANITSON PREMIUM

## ELECTRICAL FEATURES AND PARTICULARITIES

### • SANITSON Premium Domestic delivered fully assembled including:

- PEHD tank, lid and pump/pumps.
- Regulation system.
- Stainless steel 316 and PVC discharge line integrating cast iron ball-type non-return valve and PVC 1/4 turn valve.

Item reference	Particularity	Voltage V	Power P1 kW	Intensity A	Max. grading mm	Weight kg	Compliant with standard	Order reference
Sanitson Premium - 204-0,5T4	• Pump with float, • Discharge fitted with compression connection.	3~400	1 x 0,68	1,9	35	51	CE EN 12050 - 2	2525141
Sanitson Premium - 204-0,6M	• Pump with float, capacitor integrate din motor, direct connection to 230V mains.	1~230	1 x 0,94	4,7	35	51	CE EN 12050 - 2	2525140
Sanitson Premium - 204-0,7M EN-1	• Discharge fitted with compression connection.	1~230	1 x 1,2	5,3	40	64	CE EN 12050 - 1	2529850
Sanitson Premium - 205-0,75MBF	• Pumps with float and capacitor case. • Discharge fitted with threaded connection.	1~230	1 x 1,1	5,84	44	46	CE EN 12050 - 1	2525596
Sanitson Premium - 2-204-0,5T4	• YN3000 switch box (audible alarm included) and IPAE level probe.	3~400	2 x 0,68	2 x 1,9	35	105	CE EN 12050 - 2	2525143
Sanitson Premium - 2 -204-0,6M		1~230	2 x 0,94	2 x 4,7	35	78	CE EN 12050 - 2	2525142
Sanitson Premium - 2 -204-0,7M EN-1	• Discharge fitted with compression connection (except SVO 205 equipped with threaded connection).	1~230	2 x 1,2	2 x 5,3	40	103	CE EN 12050 - 1	2529851
Sanitson Premium - 2 -205-0,75MBF		1~230	2 x 1,1	2 x 5,84	44	63	CE EN 12050 - 1	2525597

### • SANITSON Premium Professional delivered assembled except pump, box and IPAE:

- PEHD tank and lid.
- Pumps on rope clamp and stainless steel 316 lift chain.
- Stainless steel discharge line integrating composite ball-type non-return valve and brass gate valve, threaded connection.
- YN3000 switch box (audible alarm included) and IPAE level probe.

Item reference	Voltage V	Power P2 kW	Intensity A	Max. grading mm	Weight kg	Compliant with the standard	Order reference
Sanitson Premium - MiniSDL 204-1,5M	1~230	1x1,5	9,5	10	44	CE EN 12050 - 1	4099765
Sanitson Premium - MiniSDL 204-1,5T4	3~400	1x1,5	3,2	10	44	CE EN 12050 - 1	4099766
Sanitson Premium - SVO205-0,75T 4	3~400	1x0,75	2	44	46	CE EN 12050 - 1	4099761
Sanitson Premium - SVO206-1,1T4	3~400	1x1,1	3,2	44	46	CE EN 12050 - 1	4099763
Sanitson Premium - SVO206-1,1M	1~230	1x1,1	6,9	44	46	CE EN 12050 - 1	4099762
Sanitson Premium - SVO206-1,5T4	3~400	1x1,5	3,6	44	46	CE EN 12050 - 1	4099764
Sanitson Premium - SVO206-1,5M	1~230	1x1,5	9,5	44	46	CE EN 12050 - 1	4099767
Sanitson Premium - SVO-206-2,2T4	3~400	1x2,2	4,9	44	46	CE EN 12050 - 1	4099768
Sanitson Premium - 2 - MiniSDL 204-1,5M	1~230	2x1,5	2 x 9,5	10	60	CE EN 12050 - 1	4099757
Sanitson Premium - 2 - MiniSDL 204-1,5T4	3~400	2x1,5	2 x 3,2	10	60	CE EN 12050 - 1	4099758
Sanitson Premium - 2 - SVO205-0,75T4	3~400	2x0,75	2 x 2	44	63	CE EN 12050 - 1	4099753
Sanitson Premium - 2 - SVO206-1,1T4	3~400	2x1,1	2 x 3,2	44	63	CE EN 12050 - 1	4099755
Sanitson Premium - 2 - SVO206-1,1M	1~230	2x1,1	2 x 6,9	44	63	CE EN 12050 - 1	4099754
Sanitson Premium - 2 - SVO206-1,5T4	3~400	2x1,5	2 x 3,6	44	63	CE EN 12050 - 1	4099756
Sanitson Premium - 2 - SVO206-1,5M	1~230	2x1,5	2 x 9,5	44	63	CE EN 12050 - 1	4099759
Sanitson Premium - 2 - SVO-206-2,2T4	3~400	2x2,2	2 x 4,9	44	63	CE EN 12050 - 1	4099760

SCA models with pump single-channel impeller available on request

**Standard CE EN 12050-1:** For waste containing faecal matter (sewage, also covers grey water and rainwater waste).

**Standard CE EN 12050-2:** For waste not containing faecal matter (exclusively for grey water and rainwater waste).

# SANITSON PREMIUM

## ACCESSORIES

Description	Order reference
<b>30 cm height adjustment</b> with joints	2525177
<b>Ø110mm joint</b> for additional inlet	2521849
<b>Manual pump bracket</b> (compulsory)	65959
<b>Manual diaphragm pump</b> G 1 ½"	2060166
<b>Suction pad (firing*)</b> G 1"	2525168
<b>DN 100 shut-off valve</b> attachment material included for waste inlet	2017163
<b>DN 100 flanged sleeve</b> to connect the shut-off valve to the waste inlet	2521847
<b>Shut-off valve</b> G 1 ½"	2525175
<b>Shut-off valve</b> G 2"	2525176
<b>PVC G 1 ½" connection</b> to DN50 of Sanitson discharge to network	2525182
<b>PVC G 1 ½" connection</b> to DN65 of Sanitson discharge to network	2525158
<b>PVC G 2" connection</b> to DN65 of Sanitson discharge to network	2525159
<b>PVC G 2" connection</b> to DN75 of Sanitson discharge to network	2525169
<b>ALARMSON**</b> Audible overflow alarm for domestic Sanitson Premium 1 pump (already included in Yn3000 box for the other models)	2529590
<b>ALARMSON S**</b> Audible overflow alarm for domestic Sanitson Premium 1 pump (already included in Yn3000 box for the other models) with 8h standby capacity	2529591
<b>NIVO430 float</b> 10m cable	4027319
<b>NIVO430 float</b> 20m cable	4027320

\* If the SANITSON Premium is above the waste inlet.

\*\* Delivered without floats.

## PARTICULARITIES

### a) Electricity

- Single phase 230V - 50Hz, with firing capacitor integrated in Mini SVO 204 and FVO 204 pump motors and in external housing for SDL and SVO-SCA 205/206 pumps.
- Three phase 400V - 50Hz.

### b) Installation

- Connect to collection network with rigid pump for discharge and PVC pipe Ø 100mm for waste inlet and vent.
- . **See applicable standards.**

### c) Emballage

- on pallet

### d) Maintenance

- Simplified maintenance.

## ACCESSORIES SUPPLIED

- Anti-floating plates with self-drilling screw to attach the tank and screw + concrete pin for ground + hose clamp.
- Reinforced tube sleeve for manual pump connection à main
- Standard plug for single-phase pump.
- Ø124 mm hole saw with drill to create waste inlet.
- Ø110mm joint for waste inlet + hose clamp.
- Integrated bracket for attachment of level adjustment.