

# SAR 550

## Lift and collection stations



### INSTALLATION AND USE

The **SAR 550** lift and collection stations are designed to handle clear water, rainwater, or dirty water from civil and industrial drains, where the sewer network is too far away or not accessible by gravity.

The **SAR 550** stations are compact and easy to install on the floor or underground, both indoors and outdoors of residential buildings, offices, public establishments, courtyards, and parking facilities, for sewage or rainwater disposal.

### COMPONENTS INCLUDED

- ✳ **550 litres** polyethylene tank with a non-driveable cover that can support pedestrian traffic up to a maximum of 100 kg.
- ✳ **Two single-phase pumps (without float switches) pre-installed and already connected to a control panel.**
- ✳ Standard **10-metres** power cable .
- ✳ Control panel (**E2** model).
- ✳ Three float switches with the following functions:
  - 1) Alternating activation of one of the two pumps
  - 2) Activation of the second pump at maximum level
  - 3) Shutdown of the pump at minimum level

### AVAILABLE UPON REQUEST

- ✳ **SAR 550 lift station, equipped with two single-phase pumps, based on your specific requirements.**
- ✳ **Three-phase submersible pump.**

### OPTIONAL

- ✳ **Alarm kit** (Code: KSKIT-ALLARME) equipped with control panel, self-powered siren, and float
- ✳ **300 mm extension kit** (Code No. KSKIT-308MA) for installing the "SAR" tank at greater depths
- ✳ "SAR" Stations with check valve and ball valve in the discharge pipe

### ✳ SAR 550 with drainage pumps

TYPE	POWER (P <sub>2</sub> )		MAXIMUM FLOW RATE [1] pump litres/min	PREVALENCE MAX metres	
	kW	HP			
<b>TOP 4</b>	0.75	1	320	12.5	
<b>TOP 5</b>	0.92	1.25	360	15	
<b>Dm 10</b>	0.75	1	300	15.5	
<b>Dm 20</b>	0.75	1	250	19	
<b>Dm 30</b>	1.1	1.5	275	26	

✳ **suitable for clear wastewater**

### ✳ SAR 550 with VORTEX pumps

TYPE	POWER (P <sub>2</sub> )		MAXIMUM FLOW RATE [1] pump litres/min	PREVALENCE MAX metres	
	kW	HP			
<b>VXm 10/35</b>	0.75	1	400	10	
<b>VXm 15/35</b>	1.1	1.5	500	13.5	
<b>VXm 10/50</b>	0.75	1	550	8.5	
<b>VXm 15/50</b>	1.1	1.5	650	11	
<b>BCm 10/50</b>	0.75	1	600	11	
<b>BCm 15/50</b>	1.1	1.5	750	14	

✳ **suitable for dirty waste water**

## ※ SAR 550 with grinder pumps (TRITUS)

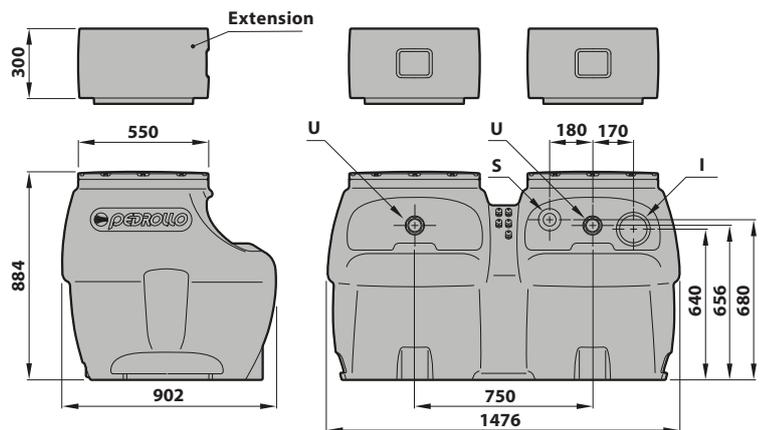
TYPE	POWER (P <sub>2</sub> )		MAXIMUM FLOW RATE [1] pump litres/min	PREVALENCE MAX metres	
	kW	HP			
<b>TIGm 0.75</b>	<b>0.75</b>	<b>1</b>	<b>140</b>	<b>17.5</b>	
<b>TRm 0.9</b>	<b>0.9</b>	<b>1.25</b>	<b>170</b>	<b>15</b>	
<b>TRm 1.1</b>	<b>1.1</b>	<b>1.5</b>	<b>140</b>	<b>21.5</b>	
<b>TRm 1.3</b>	<b>1.3</b>	<b>1.75</b>	<b>220</b>	<b>22.5</b>	
<b>TRm 1.5</b>	<b>1.5</b>	<b>2</b>	<b>270</b>	<b>25</b>	

※ suitable for sewage water

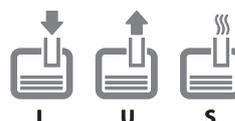
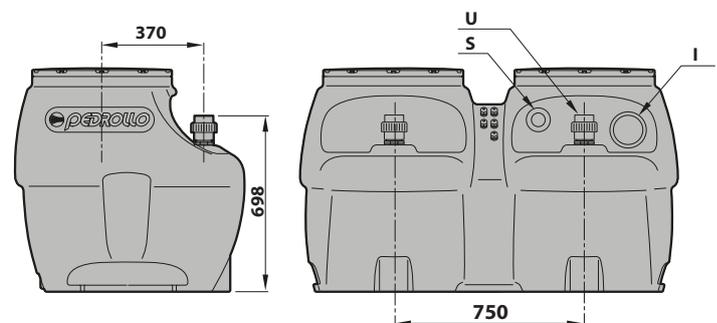
(\*) On request "SAR" stations with coupling feet and guide pipes for pump descent

## DIMENSIONS AND WEIGHT

TYPE	I	PORTS		kg
		U <sup>(1)</sup>	S	
<b>SAR 550 - TOP 4</b>	DN 110	1½"	DN 50	109.0
<b>SAR 550 - TOP 5</b>		1½"		110.9
<b>SAR 550 - Dm 10</b>		1½"		116.4
<b>SAR 550 - Dm 20</b>		1½"		116.4
<b>SAR 550 - Dm 30</b>		1½"		123.2
<b>SAR 550 - VXm 10/35</b>		1½"	DN 75	118.8
<b>SAR 550 - VXm 15/35</b>		1½"		124.4
<b>SAR 550 - VXm 10/50</b>		2		119.8
<b>SAR 550 - VXm 15/50</b>		2		125.4
<b>SAR 550 - BCm 10/50</b>		2		120.8
<b>SAR 550 - BCm 15/50</b>		2	126.0	
<b>SAR 550 - TIGm 0.75</b>		1½"	DN 50	120.4
<b>SAR 550 - TRm 0.9</b>		1¼"		136.4
<b>SAR 550 - TRm 1.1</b>		1¼"		139.7
<b>SAR 550 - TRm 1.3</b>		1¼"		139.4
<b>SAR 550 - TRm 1.5</b>	1½"	178.4		



Only for TR versions with coupling feet



**KEY:**

- I collection pipe port
- U discharge pipe connection
- S ventilation pipe port

<sup>(1)</sup> Male threaded connection