



# JET PUMPS

**S1S-14S, PZ**  
**S1S-24S, PZ**  
**S1S-34S, PZ**  
**S1S-44S, PZ**

## CHARAKTERYSTYKA OGÓLNA

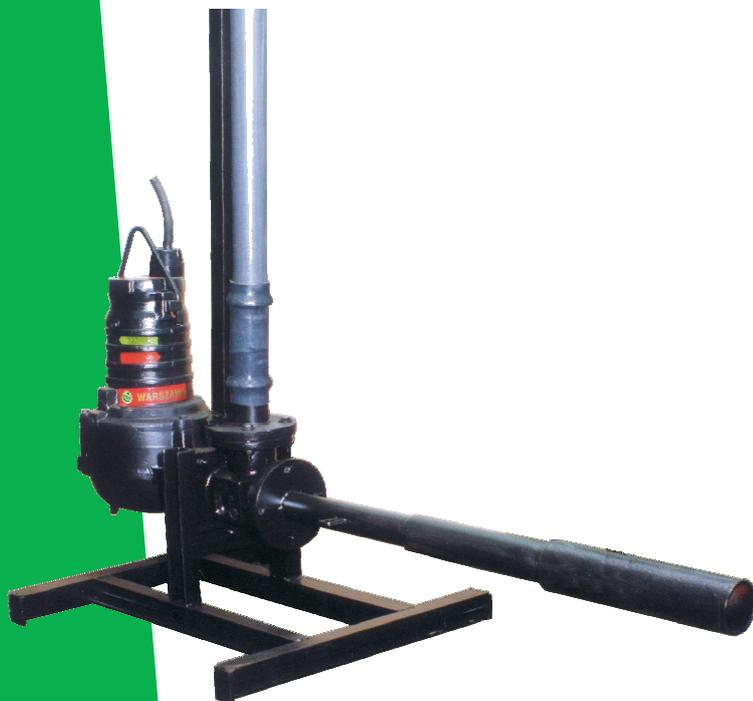
The jet pumps are devices used for oxygenation and mixing of wastewater in biological treatment processes, as well as in the processes of biological reconstruction of all kinds of sewage where aeration of the medium is required. The jet pumps produce a strong stream of mixture of sewage and air bubbles, creating particularly favorable conditions for oxygen transfer and preventing sedimentation of sediments.

**Jet pumps S1P:** are intended for tanks with active depths  $H_{cz}$  4,2-5,5m

**Jet pumps S1S:** are intended for tanks with active depths  $H_{cz}$  5,5-7,5m

## TECHNICAL DATA

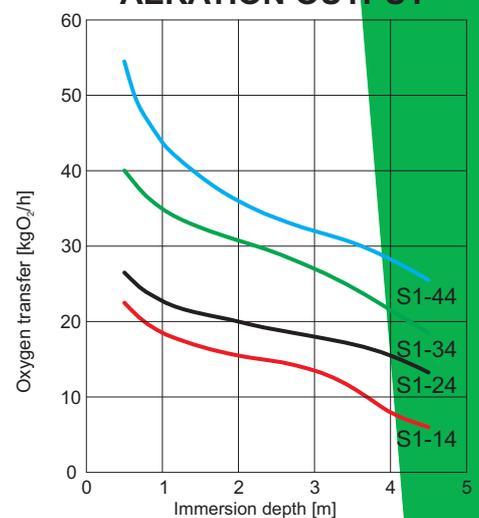
Name	S1P/S-14	S1P/S-24	S1P/S-34	S1P/S-44
Pump type	MSV-80-14	MSV-80-24	MSV-80-34	MSV-80-44
Pump power [kW]	1,5	2,2	3,0	4,0
Immerion depth [m]	min	0,8	0,8	0,8
	max	3,5	4,0	4,0
Mixing rate [m <sup>3</sup> /h]	33	39	61	72
Oxygen transfer max [ kgO <sub>2</sub> /h ]	2,05	3,12	4,29	5,75
Oxygenation efficiency max [ kgO <sub>2</sub> /kWh]	1,36	1,42	1,43	1,44
Device weight [ kg ]	S	84/88	87/91	103/107
	PZ	102/108	105/111	120/126



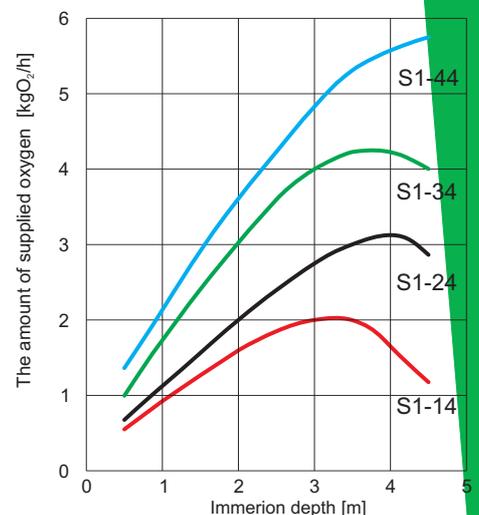
## ZASTOSOWANE MATERIAŁY

- Pump, - cast iron HT200, HT250.
- Suction chamber, supporting structures - stainless steel.
- Ejector elements - stainless steel.
- Suction pipe - PVC.
- Cast iron with paint finish epoxy.

## AERATION OUTPUT

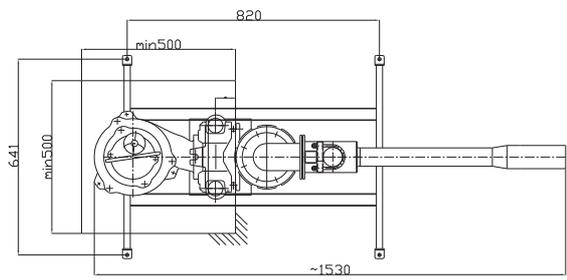
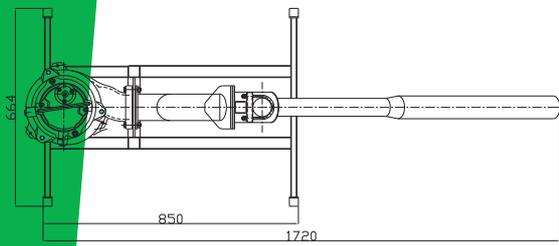
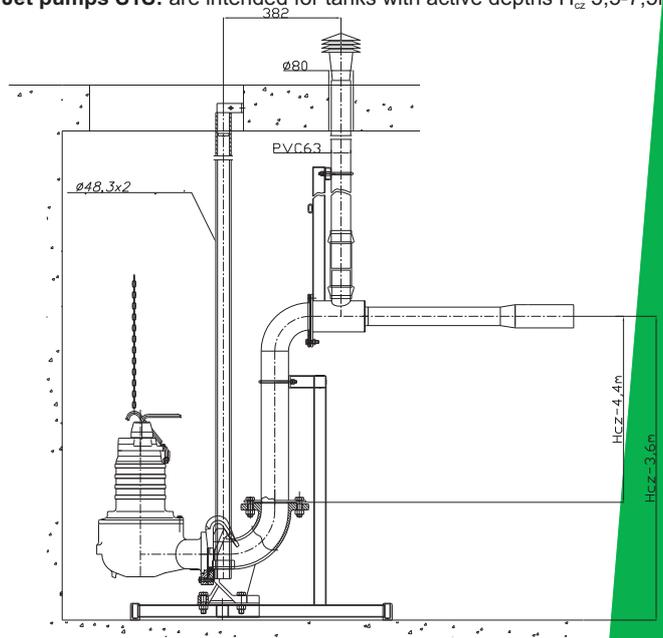
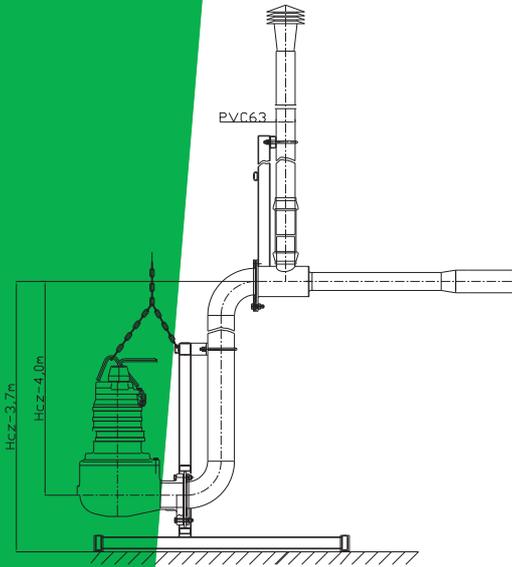


## OXYGEN TRANSFER



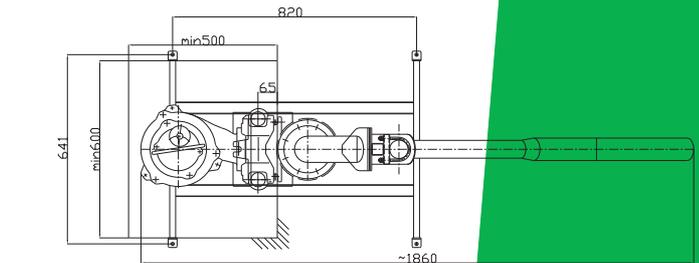
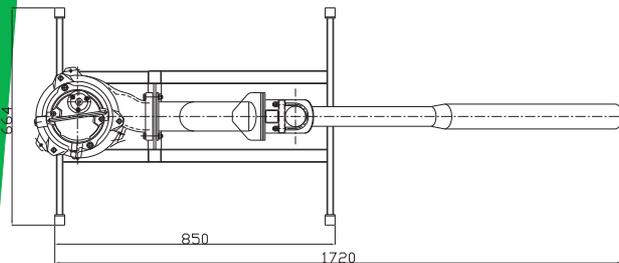
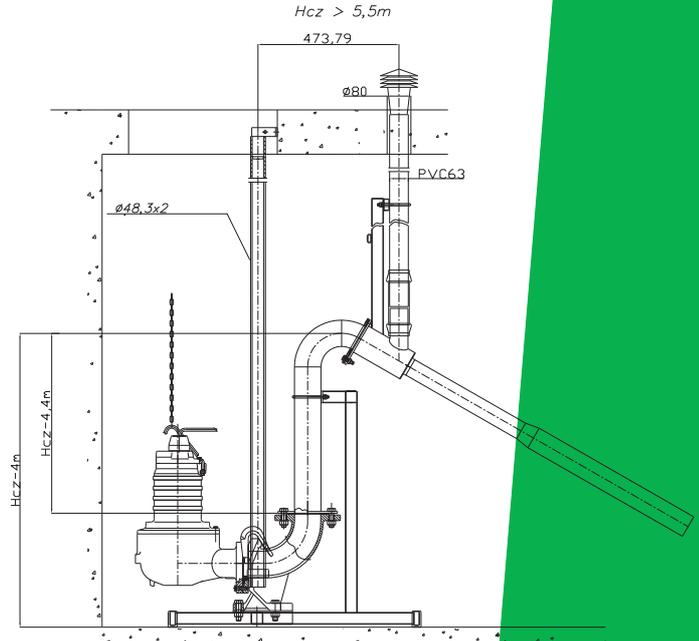
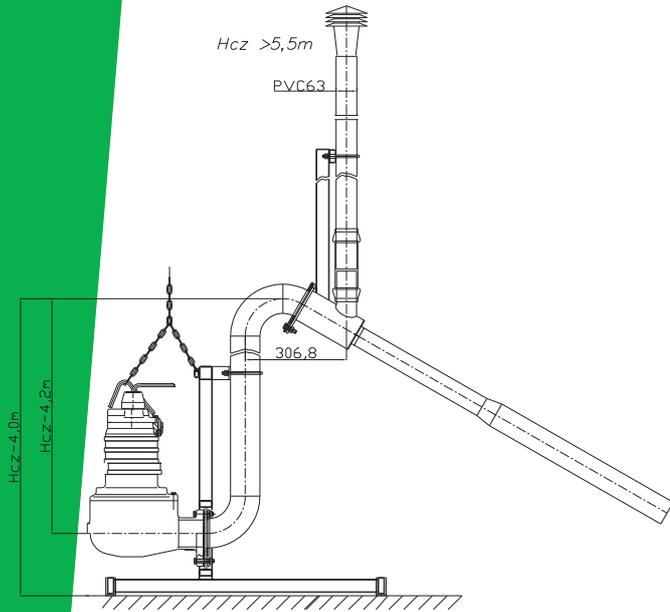
Jet pumps S1P: are intended for tanks with active depths  $H_{cz}$  4,2-5,5m

Jet pumps S1S: are intended for tanks with active depths  $H_{cz}$  5,5-7,5m



Jet pumps S1P-14S;-24S; -34S; -44S

Jet pumps S1P-14PZ;-24PZ; -34PZ; -44PZ



Jet pumps S1S-14S;-24S; -34S; -44S

Jet pumps S1S-14PZ;-24PZ; -34PZ; -44PZ