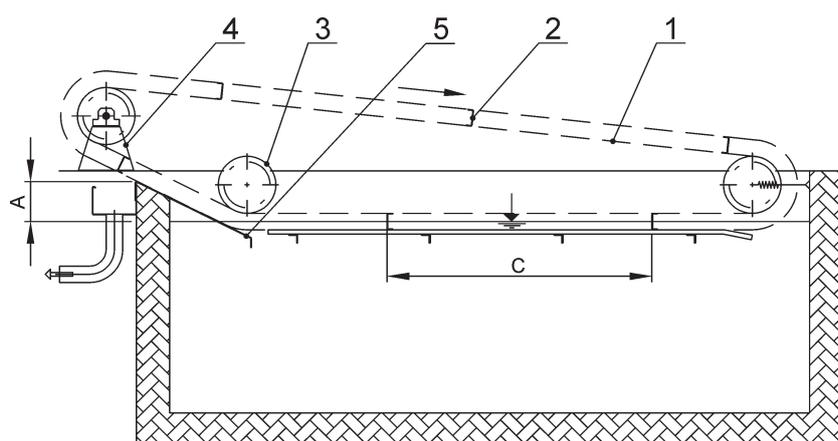


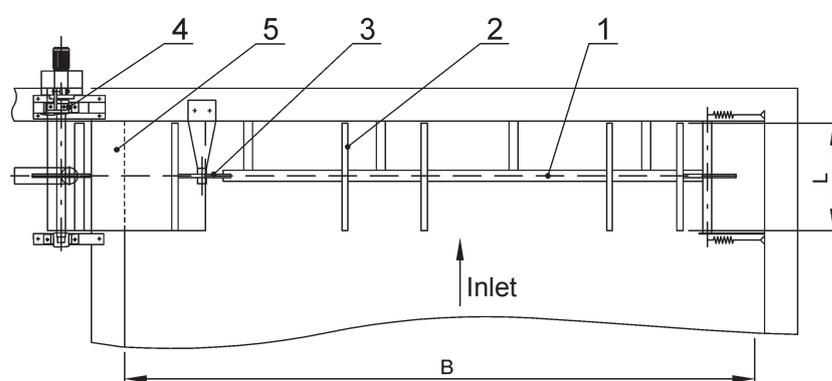
## Plastic chain scraper

### for level skimming **ŘSPH**



Legend:

- 1 Chain
- 2 Skimming blades
- 3 Chain wheels with shafts
- 4 Electric geared motor
- 5 Discharge plate



**TABLE OF MAIN DIMENSIONS**

Parameter	Variable	Unit	Size	Size change increments
Tank width	B	m	3,0 to 6,0	0,3 m
Blade length	L	m	0,6 to 1,2	0,2 m
Blade spacing	C	m	2,0 to 3,0	0,5 m
Discharge height	A	m	0,1 to 0,5	0,1 m
Skimming speed	v	m.s <sup>-1</sup>	0,16 to 0,33	according to gear
Installed input power	P	kW	0,25 to 0,5	according to size



## Plastic chain scraper

# for level skimming ŘSPH

### APPLICATION

The chain scraper, type RSPH, is designed for level skimming of floating impurities in rectangular tanks. These impurities are forced to move to the point of discharge hydraulically or mechanically. The entire equipment is used as a separated cleaning unit which is usually installed, also with other accessories, at the outlet part of an aeration tank. This equipment is not quite suitable for removal of abrasive impurities.

### FUNCTIONAL PRINCIPLE

The chain scraper, type RSPH, consists of an endless plastic linked chain with skimming blades. While running the chain is supported by three chain wheels. The skimming blades in their bottom horizontal position are guided by skids. The entire equipment is powered by an electric geared motor for outdoor applications. Torque is transferred to the driving shaft by a clutch protecting the chain against overloading. For winter season the discharge plate can be supplied as a doubled variant with heating. These chained racks can be controlled through a separate control box or alternatively upon agreement. This equipment can be also used, after minimum changes, for removal of floating impurities also in existing rectangular tanks.

### MATERIAL DESIGN

This equipment in standard modifications is made from combination of materials: plastics (chain wheels, chain), stainless steel (skids, discharge plate, skimming blades, shafts, framing, anchoring elements) and rubber (packing).

### OPERATION AND MAINTENANCE

Operation of this equipment does not require permanent attendance and its routine maintenance should be done in compliance with instructions as stated in the operating manual. Pay special attention particularly to a chain slack and retightening as needed. Put the racks in motion periodically, if possible. Irregular operation may bring excessive sludge settling and wear of chain links due to insufficient lubrication of chain pins being not dipped as well as excessive dilatations due to temperature changes.

### DELIVERY FORM

Standard delivery includes on-site installation of the entire equipment with accessories according to a contract. Accessories (as well as particular dimensions, see chart) can be optionally changed upon agreement and technical clarification. The supplier reserves the right of changes in its deliveries contrary to graphical figures, however, in compliance with the agreed parameters.

### DELIVERY DATE

According to contract.