



**TSURUMI PUMP**

**KW** 3-phase  
50Hz

## Automatic Bar Screens

Rake type bar screens

- for professional use
- for professional use



## Virtues

Tsurumi Automatic Bar Screen - KW - is a durable and efficient solution for primary fine screening of waste water. It is installed in the channel with depth from 270mm, width from 300mm and with bar spacing from 1mm.

## Such characteristics allow to use automatic bar screens for:

- protecting pumps from clogging
- fine mechanical screening at the domestic wastewater treatment facilities
- local mechanical wastewater treatment at a separate plant

The screens are intended for use in wastewater with pH=6,5 - 8,5

## Operation



Automatic bar screen retains wastage sized more than bar spacing from wastewater. Such wastage is removed periodically from screen bars by rakes. The rakes move it to the screen top. Then the wastage is removed from the rake and discharged to the transporter or waste bin by gravity slide. Screens operation periodicity depends on automation scheme.

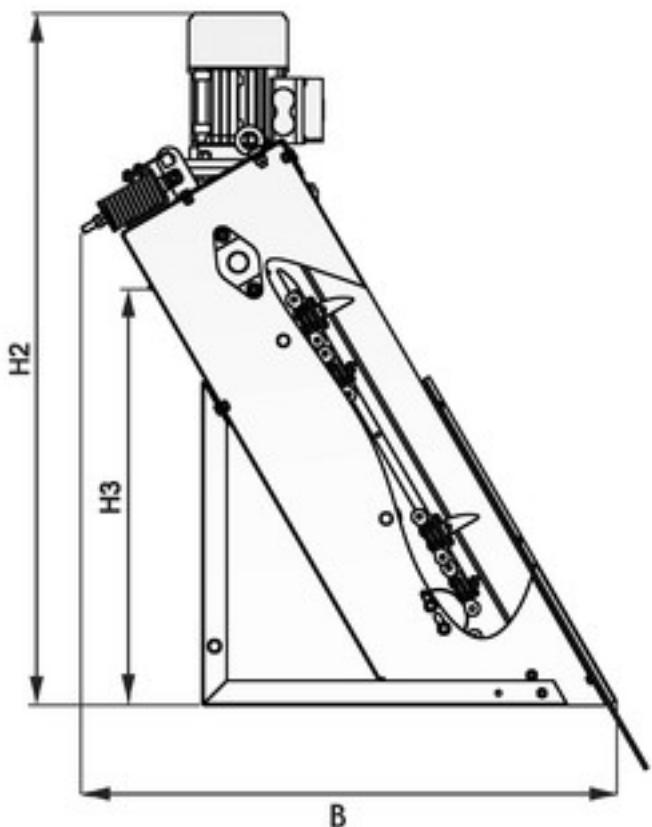
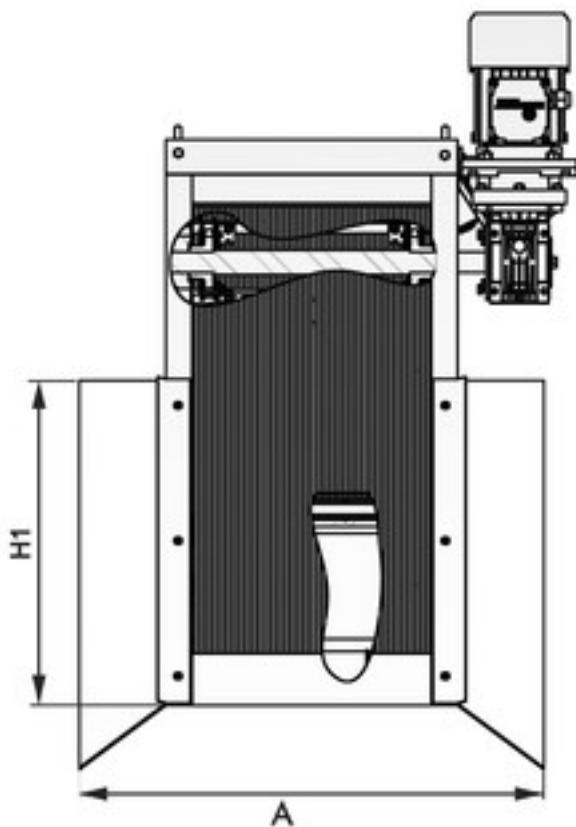
## Advantages



- Minimal capital and operating cost, easy maintenance
- Increased operation reliability due to screen bars preventing rakes jamming
- Possibility of fine mechanical screening-width of the screens openings start from 1mm
- Long lifetime due to the use of corrosion resistant materials and screen design without revolving parts in the submersible part

## Specifications:

Model	Power output W	Bar spacing mm				Capacity m <sup>3</sup> /h			Height mm		Width of water way mm	Length mm	Installation Angle	Dry weight kg without cable
		1	2	2,5	5	H1	H2	H3	A	B				
KW-4027	90	17	29	34	47	270	660	323	≤ 400	544	60°	23,5		
KW-5027	90	26	45	52	73	270	660	323	400-500	650	60°	27,0		
KW-6027	90	36	61	70	98	270	660	323	500-600	774	60°	30,5		
KW-4038	90	27	45	52	73	380	842	506	≤ 400	544	60°	27,8		
KW-5038	90	41	69	81	113	380	842	506	400-500	650	60°	32,1		
KW-6038	90	56	95	109	153	380	842	506	500-600	774	60°	36,5		
KW-4049	90	39	66	76	105	490	1057	722	≤ 400	544	60°	31,8		
KW-5049	90	60	101	117	164	490	1057	722	400-500	650	60°	37,1		
KW-6049	90	81	138	158	223	490	1057	722	500-600	774	60°	42,3		



Food Wastewater



Agricultural Water



Municipal Water





**TSURUMI PUMP**

Contributing to World-wide Prosperity and Understanding through Worker- and Environment-friendly Production.

Designed for increased productivity through fully integrated streamlined production systems, Tsurumi's factory in Kyoto (Japan) features a production capacity of a full 1 million pumps per year. Large-scale modern R&D facilities offer optimum conditions for experimenting and testing of even super-large pumps and for developing new products to expand the possibilities and applications of pumps. To provide optimum conditions for our main asset, our workers, as well as for the environment, special emphasis is placed on optimized working conditions with airconditioning, minimized dust and exhaust gas emission, comprehensive recycling and waste recovery.

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We reserve the right to change specifications and designs herein for improvement without prior notice. Our pumps are for professional use only. In the event that Tsurumi (Europe) GmbH have, in exceptional cases taken over, a manufacturer's warranty, this entitles the enduser to assert remedy free of charge against Tsurumi (Europe) GmbH due to any defect to the product occurring during the guarantee period (see below), also then when the warranty claims against the seller do not or no longer exist. In the event of malfunction, which is attributable to the improper handling by the enduser, no guarantee claim shall arise. Further claims shall not result from the warranty, unless if something to the contrary has explicitly been determined. The decision as to whether remedy is effected by way of replacement or repair shall be at the choice of Tsurumi (Europe) GmbH. The claims shall be time barred after a period of three months after expiry of the guarantee period, however, not before expiry of the warranty period which is valid towards the seller. In the event of doubt, the warranty period shall correspond with the warranty period which is valid between the end-user and his seller.

