

OIL SKIMMER

SK₁



SK2





Contents

1.	Application area	2
2.	Certificates & product testing	3
3.	Safety instruction	3
4.	Preparation	3
5.	Start up	4
6.	Scope of supply	5
	Oil skimmer SK1 – part no. 10090.2-00	5
	Oil skimmer SK2 – part no. 10091.2-01	5
7.	Technical specifications	6
8.	Faults and remedies	6
9.	Spare parts	7
	Oil skimmer type SK1 part no. 10090.2-00	7
	Oil skimmer type SK2 part no. 10091.2-01	8
	Skimmer belts	9
10.	. Instruction Manual for the timer SK 2	10



See for yourself and visit our shop:

http://eds-maschinenbau.de/shop/

EDS Maschinenbau GmbH

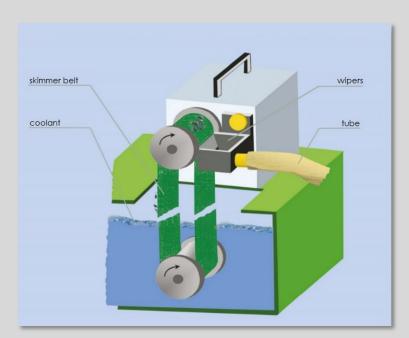
Erkelenzer Straße 53 52441 Linnich - Germany phone: +49 (0) 24 62 / 9 98 80 - 0 fax: +49 (0) 24 62 / 9 98 80 - 8



Application area

An oil skimmer is a device that is designed to remove oil floating on a liquid surface. The oil skimmer SK1 and SK2 will help removing oil and other soiling from machine tool coolant without pumping out the coolant.

The adhesive properties of the skimmer belt in the coolant tank make the soiling stick to it. The soiling will be seperated by the wipers and piped into the collection tank.



The periodic use of the oil skimmer will increase the service life of the coolant substantially.

Oil skimmer SK1:

The skimmer is controlled manually by a toggle and can be supplemented with a standard timer.

Oil skimmer SK2:

The SK2 is controlled by a digital timer with a weekly

program.

The oil skimmer is delivered ready for operation. Because of a magnetic clamp on the bottom there is no need for a fix installation. Therefore one skimmer can be used on different marchines. Changing the belt is very easy. The whole skimmer is made of corrosion-resistant material.

+49 (0) 24 62 / 9 98 80 - 0 phone: fax:

+49 (0) 24 62 / 9 98 80 - 8

emunds@eds-maschinenbau.de e-mail:



2. Certificates & product testing



The **EDS Maschinenbau GmbH** is certified to DIN EN ISO 9001:2015.

Quality Management

All oil skimmers are checked in material quality, dimensional accuracy and functionality.

phone:

e-mail:

fax:

+49 (0) 24 62 / 9 98 80 - 0 +49 (0) 24 62 / 9 98 80 - 8

emunds@eds-maschinenbau.de

The skimmers baer the CE marking.

3. Safety instruction

The skimmer is powered with 230 V. If there is the possibility for the device to fall into the tank it needs to be permanently installed to the mashine or fitted with a FI switch for security reasons.



4. Preparation

The oil skimmer is delivered ready for operation.

Please place the provided weight roller in the belt.



5. Start up

After placing the belt with the weight roller on the drive drum the oil skimmer can be placed on a clean surface of the tank. For the belt the opening in the tank needs to have a **minimum size of 80x50mm**.

The adhesion is given by the magnet in the bottom or can be bolt to the tank with M6 screws on to the provided holes.

Please note: The weight roller needs to immerse totally and must not touch the ground of the tank.

Plug in power plug and you can use the on/off switch to turn it on (see page 7 - SK1-Bild 1 - Pos. 13). A correction of the distance between belt and wiper can be justified by releasing the knurled screw (see page 7 - SK1-Bild 2 - Pos. 7).

To exchange the skimmer belt, you also release the knurled screw to move the collection tray backwards.

How to choose the gap distance

To reduce the abrasion of the belt the gap distance should not be too small. The benchmark is between **0,2 - 0,3 mm**.

phone: +49 (0) 24 62 / 9 98 80 - 0 fax: +49 (0) 24 62 / 9 98 80 - 8



Scope of supply

Oil skimmer SK1 – part no. 10090.2-00

- Oil skimmer with belt 600 mm (stretched length)
- Toggle switch with signal lamp
- fine wire fuse for the engine
- 2 m spiral cable for plug in

Oil skimmer SK2 – part no. 10091.2-01

- Oil skimmer with belt 600 mm (stretched length)
- Digital timer with a weekly program
 - functions for programming blocks
 - 16 memory locations
 - 140 h battery life when unplugged
 - Manual start all time with timer-button
- fine wire fuse for the engine
- 2 m spiral cable for plug in

52441 Linnich - Germany

fax:

phone: +49 (0) 24 62 / 9 98 80 - 0 +49 (0) 24 62 / 9 98 80 - 8 5

emunds@eds-maschinenbau.de e-mail:



7. Technical specifications

- Compact, reliable and corrosion-resistant device
- Opening in the tank: 80x50 mm
- Quick assembly of the oil skimmers by a magnetic clamp
 - → Flexible use on different machines
- Measuring (WxLxH): 120x120x100 mm
- Weight: 4 KG
- Voltage: 230 V / 50 Hz
- connected load: 37 W

8. Faults and remedies

The skimmer belt is not moving						
Please check!	Remedy					
fuse is defective	replace the fuse					
gap width to collection tray is too small	readjust collection tray					
drive drum is not centric to the collective tray	 Remove skimmer belt Release screw, that keeps the drive drum on the motor shaft Move drive drum in axial direction 					
coarse contamination (chips)	Remove skimmer belt and clean or change it					

phone:

fax:

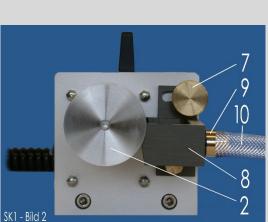
e-mail:

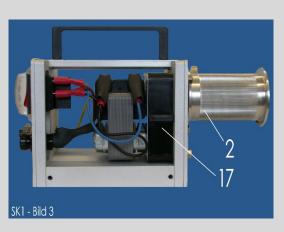
+49 (0) 24 62 / 9 98 80 - 0 +49 (0) 24 62 / 9 98 80 - 8

emunds@eds-maschinenbau.de









9. Spare parts

Oil skimmer type SK1 part no. 10090.2-00

Pos.	name	Qty.	part no.
1	cover plate	2	10097.3-00
2	drive drum	1	10100.4-00
3	weight roller	1	10101.4-00
4	skimmer belt	1	see page 9
5	magnet	1	KT000031
6	locking bow for weight roller	1	10130.3-00
7	knurled screw	1	DIN464 M6x12 MS
8	collection tray	1	10096.3-00
9	pipe section	1	10099.4-00
10	tube	1	KT000213
11	spiral cable for plug in	1	KT000036
12	handle	1	KT000030
13	On/Off switch	1	KT0000321
14	protection cap	1	KT000342
15	fuse holder	1	KT000035
15a	fuse	1	KT005091
16	rotary shaft seal	1	KT000042
17	gear motor	1	KT000029

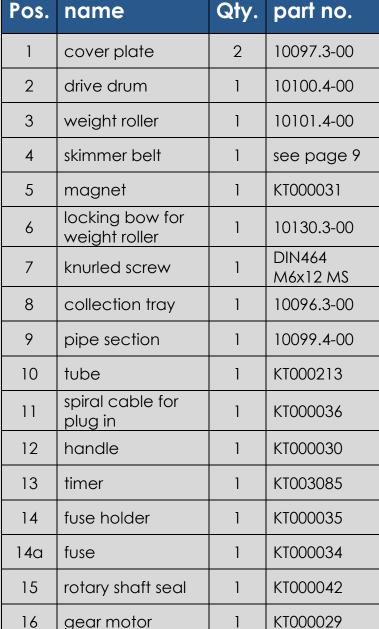
Erkelenzer Straße 53 52441 Linnich - Germany phone: +49 (0) 24 62 / 9 98 80 - 0

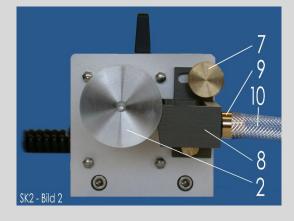
fax: +49 (0) 24 62 / 9 98 80 - 8 e-mail: emunds@eds-maschinenbau.de

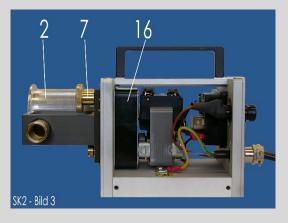




Oil skimmer type SK2 part no. 10091.2-01







e-mail:



Skimmer belts

Information: The measure of length of the skimmer belts is the stretched length. **More belt length on request.**

name	dimensions (LxB)	immersion depth	part no.
Skimmer belt 600	600 x 58 mm	210 mm	KT002746
Skimmer belt 800	800 x 58 mm	310 mm	KT002747
Skimmer belt 1000	1000 x 58 mm	410 mm	KT002748
Skimmer belt 1200	1200 x 58 mm	510 mm	KT002891
Skimmer belt 1400	1400 x 58 mm	610 mm	KT002908
Skimmer belt 1600	1600 x 58 mm	710 mm	KT002909
Skimmer belt 1800	1800 x 58 mm	810 mm	KT002910
Skimmer belt 2000	2000 x 58 mm	910 mm	KT002911
Skimmer belt 2500	2500 x 58 mm	1160 mm	KT002912
Skimmer belt 3000	3000 x 58 mm	1410 mm	KT002913
Skimmer belt 3200	3200 x 58 mm	1510 mm	KT002914
Skimmer belt 3700	3700 x 58 mm	1760 mm	KT002915
Skimmer belt 4000	4000 x 58 mm	1910 mm	KT002916
Skimmer belt 4200	4200 x 58 mm	2010 mm	KT002917
Skimmer belt 4400	4400 x 58 mm	2310 mm	KT002918

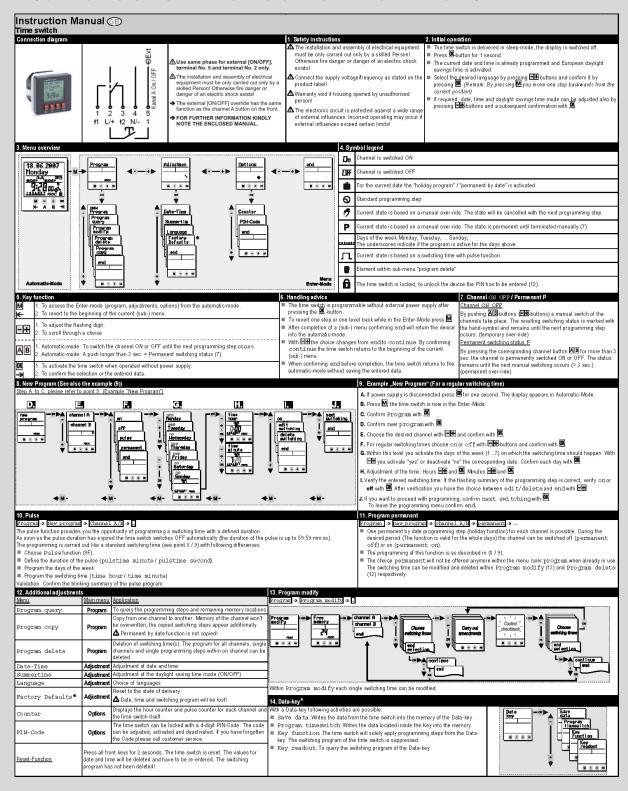


Definition immersion depth:

The immersion depth of the skimmer belt is measured from the contact surface of the skimmer to the lower edge of the locking bow of the weight roller.



10. Instruction Manual for the timer SK 2



EDS Maschinenbau GmbH

Erkelenzer Straße 53 52441 Linnich - Germany phone: +49 (0) 24 62 / 9 98 80 - 0 fax: +49 (0) 24 62 / 9 98 80 - 8

8