

8.1 Technical data

Alfa Laval ref. 556566, 557453

Units according to ISO Standard.

The manufacturer reserves the right to change specifications without notice.

Product number	881130-01-04	
Separator type	WSPX 303TGP-71	
Purpose	– Continuous concentration of workshop oil/cutting fluid. The flash point of the oil to be separated must be above +60 °C.	
Hydraulic capacity	Maximum 2 m ³ /h	
Maximum density	feed	1100 kg/m ³
	sediment	1689 kg/m ³
Operating liquid	Max. density 1000 kg/m ³ Min. pressure 150 kPa	See also “8.5 Water quality” on page 143.
Feed temperature	Minimum 0 °C Maximum +100 °C	
Ambient temperature	Minimum +5 °C Maximum +55 °C	
Motor	2-pole 2,2 kW standard motor for 3-phase 50 or 60 Hz. Direct on-line start. Y/D-start: maximum 5 seconds in Y position.	
Power consumption	idling	0,8 kW
	running (at max. capacity)	1,5 kW
	max. power consumption	3,1 kW (at starting-up)

Speed

The prescribed speed of the bowl spindle is stamped on the name plate of the machine. The speed must not be exceeded.

Gear ratio (pulleys): 130:41 (50 Hz), 106:41 (60 Hz)

<i>Maximum speed of rotation, rpm</i>	<i>50 Hz</i>	<i>60 Hz</i>
Motor shaft	3000	3600
Bowl	9510	9305

Starting time

1,8 - 2,3 minutes

Stopping time

Running down

min. 13, max. 15 minutes

Maximum running time without flow

empty bowl

180 minutes

filled bowl

180 minutes

Sludge and water space volume

0,6 litres net

Discharge volume

minimum 0,8 litres, fixed volume

Discharge interval

2 - 60 min. Depending on process

Required water quality

See "8.5 Water quality" on page 143

Lubrication

See "8.6 Lubricants" on page 144

Lubricating oil volume

0,5 litre

Sound pressure level

69 dB(A) ISO 3744

Vibration level

Separator in use

5,6 / 9 mm/s

(new sep./ sep. in use)

Weight

Separator without motor

Net weight approx. 210 kg

Motor

Net weight, approx. 16 kg

Complete bowl

Approx. 35 kg

Overhead hoist for 300 kp is required

Shipping data

According to "Basic equipment"

Weight

Net 230 kg, gross 280 kg

Volume

1,06 m³

Materials	Bowl spindle	stainless steel
	Frame, lower and upper parts	cast iron ("Centriblue" finish ¹⁾)
	Frame hood	silumin
	Bowl body and hood, disc stack, gravity discs, paring discs	stainless steel
	Other bowl parts	brass
	Other inlet and outlet parts	stainless steel, brass, cast iron
		¹⁾ An epoxy enamel

NOTE

The separator is a component operating in an integrated system including a monitoring system. If the technical data in the system description does not agree with the technical data in this instruction manual, the data in the system description is the valid one.