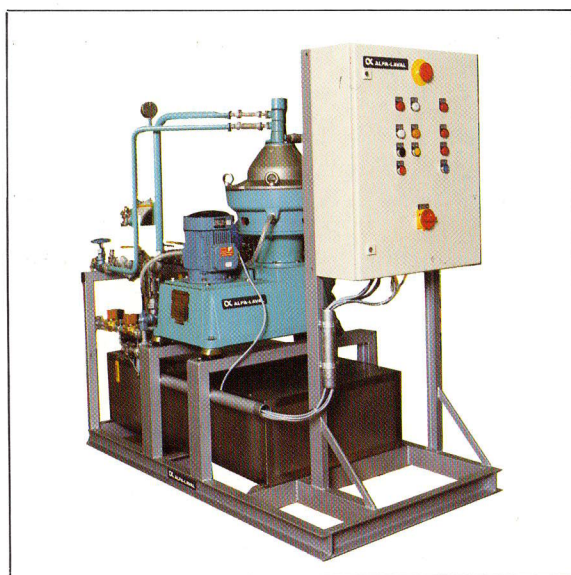


**Profit from
clean coolants
and
washing liquids
with our new**



**WSPX 303
centrifuge**

Centrifugal separation has since long been recognized as a superior method for cleaning and recycling of coolants and washing liquids. By proper cleaning of the liquids, their consumption is reduced to a minimum and production results can be maximized. The working environment is improved and the costs for disposal of waste products are significantly reduced.

Tailor-made for the Engineering Industries

Alfa-Laval has now launched its new centrifugal separator WSPX 303 for the cleaning of coolants and washing liquids, specially designed for the Engineering Industries.

- Compact design — requires less than 1 m² floor space
- Suitable for serving tanks up to about 50 m³
- High efficiency
- Effective sludge discharge
- Simple to install and operate
- Quiet operation
- No manual work and low maintenance cost

These advantages have been obtained by a new design that takes account of the requirements of the Engineering Industries. The most significant improvements featured by the new WSPX 303 include:

- Built-in operating water system for sludge discharge
- Controlled partial discharge of separated sludge
- Sludge tank with level indicator
- Belt drive
- Plug-in design, ready for direct connection to electricity and water supplies

Functional and effective

The WSPX 303 is designed for high efficiency operation in a compact plant. It produces an extremely clean coolant or washing liquid and a separated oil of about 90% purity. The normal throughput capacity is up to 1.5 m³/h.

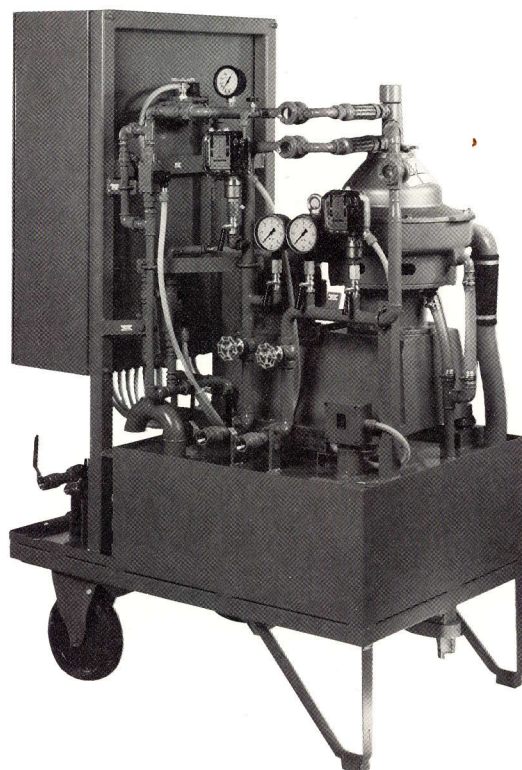
*Trolley-mounted
WSPX 303 complete
with control unit
and sludge tank*

The compactness of the WSPX 303 enables the plant to be used as an easily profitable cleaning unit. It is delivered complete with a tank for separated sludge attached to the frame. The operating water for closing and opening of the separation bowl is supplied through a hollow bowl spindle. In this way ordinary tap water can be used without the need for a separate operating water tank.

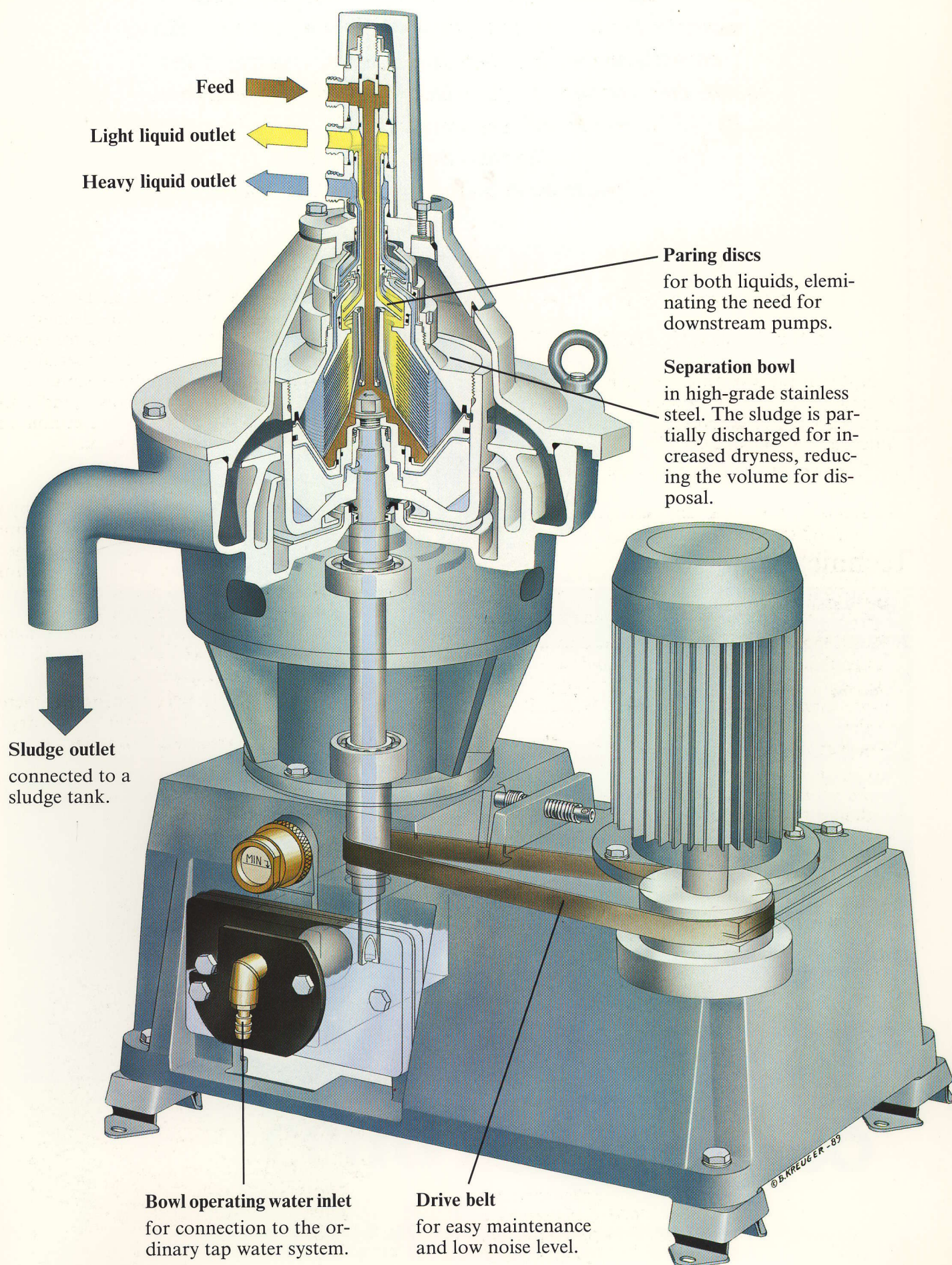
No product losses

The process liquid is pumped to the centrifuge by a separate feed pump. Both the separated liquids are pumped out from the bowl by means of discharge pumps of paring disc type, eliminating the need for downstream pumps. Separated sludge is led to a sludge tank connected to the frame. To prevent overfilling of the tank, there is a built-in, automatic shut-off function in the machine's control unit.

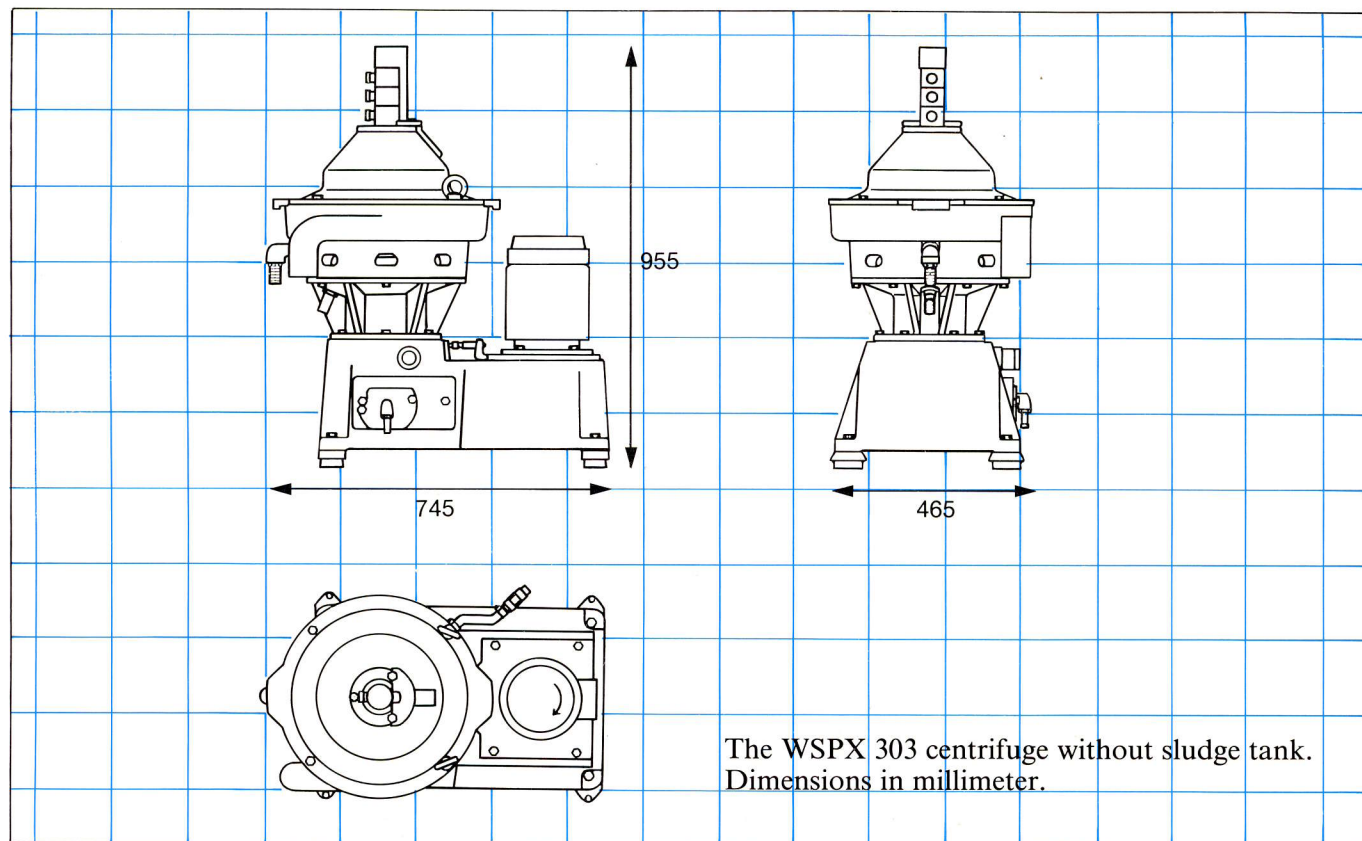
The separation bowl is designed for partial discharge of separated sludge, which means that there is minimized loss of liquids. Furthermore, the dryness of the sludge is maximized, thus reducing sludge disposal costs.



WSPX 303 — its finer points



Dimensional drawing



Technical data

Motor size		2.2 kW (2 pole)	
Supply voltage		220/380/440 V	AC 50/60 Hz
Power consumption	starting up	< 3 kW	(220/380/440 V) Abt. 8.6/5.0/4.3 A
	running	< 1 kW	Abt. 3.8/2.2/1.9 A
Running-up time		Abt. 2 min.	
Stopping time		Abt. 15—20 min.	
Operating water	pressure	150—600 kPa (1.5—6.0 bar)	
	total hardness	max. 10 dH	
	pH	> 6	
	salinity	max. 100 ppm NaCl	
Air pressure		max. 700 kPa (7 bar)	
Oil sump volume		0.5 litre	
Connections	inlets and outlets	3/4"	
	operating water	1/2"	
Weight	separator (with bowl and motor)	225 kg	
	set of tools	14 kg	



No. PD 41149E
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