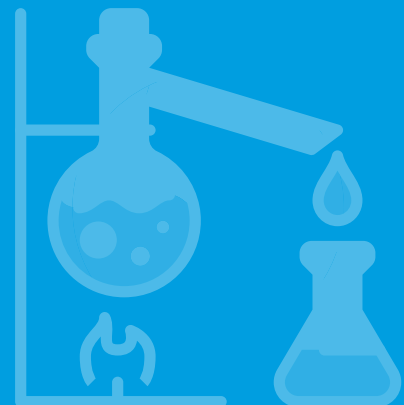
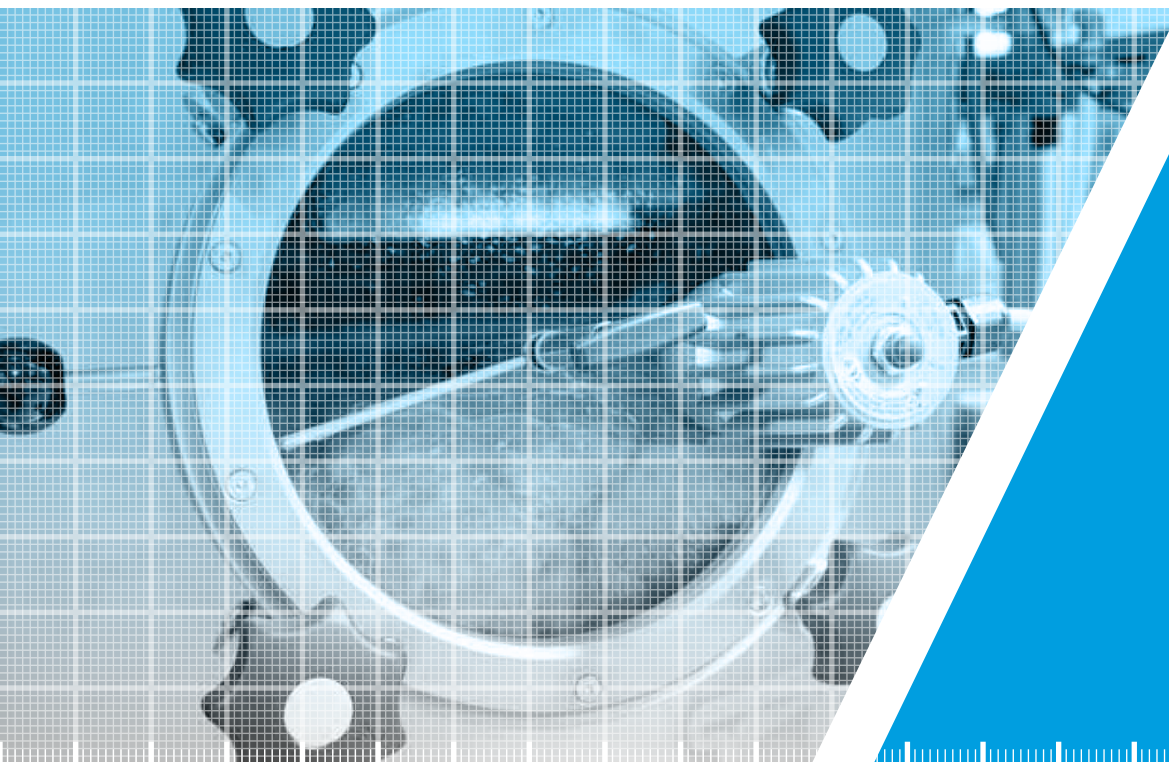


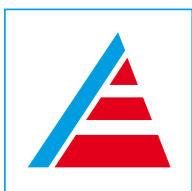
VACUUM EVAPORATOR **VD**



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Zero liquid discharge, reduce costs, conserve resources.

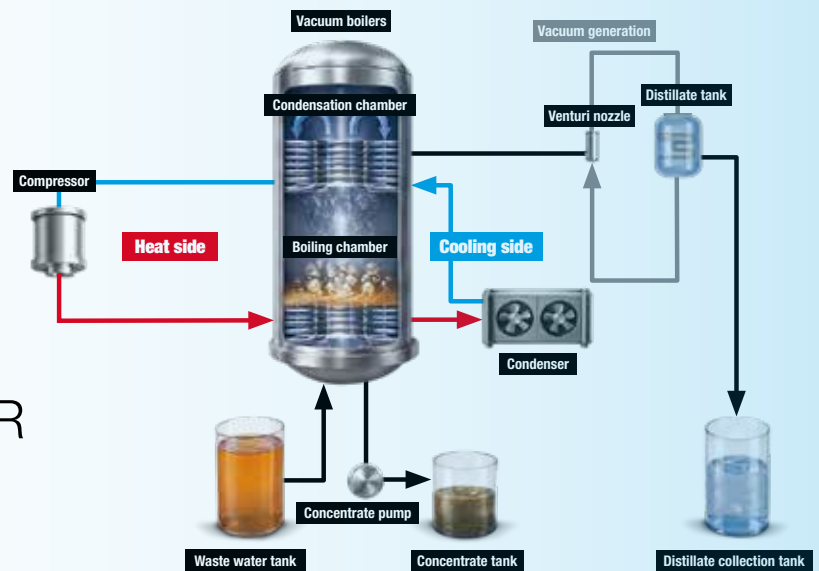
Our innovative evaporator technology enables the efficient treatment of your process water. The combination of low-temperature and vacuum processes allows for water recovery of up to 95 %, minimizes waste streams, and supports the transition to zero liquid discharge, sustainable production.



MADE IN GERMANY

www.spaleck.com

VACUUM EVAPORATOR VD



Your benefits:

- Zero liquid discharge operation through evaporation at 35 degrees Celsius under vacuum (low-temperature distillation)
- Up to 95 % water recovery
- No discharge permit required
- Reduction in waste disposal volume
- Reliable and automated plant technology
- Cost reduction and rapid payback

Applications:

- Process water from surface treatment
- Cooling lubricant emulsions
- Washing, cleaning and rinsing water
- Grinding wastewater
- Degreasing processes
- Other industrial process wastewater

Your potential savings (approximate values):

Process water per year	100 m³	300 m³	800 m³	2,500 m³	5,000 m³
Process water per week	1,9 m³	5,8 m³	15,4 m³	48,1 m³	96,2 m³
Process water per hour (Operating time: 7 days/24 hours)	11 l/h	34 l/h	91 l/h	285 l/h	571 l/h
Suitable type of evaporator*	VD 2.5	VD 13	VD 25	VD 51	VD 98
External disposal costs**	approx. 25,000 €	approx. 75,000 €	approx. 200,000 €	approx. 625,000 €	approx. 1,250,000 €
Annual operating costs for the evaporator***	approx. 13,000 €	approx. 25,000 €	approx. 58,000 €	approx. 180,000 €	approx. 350,000 €
Potential savings per year	approx. 12,000 €	approx. 50,000 €	approx. 142,000 €	approx. 445,000 €	approx. 900,000 €

* Other sizes available upon request.

** All values shown are for guidance only and are based on typical operating and disposal conditions. Actual cost-effectiveness depends on the application.

*** Includes energy, operating supplies, maintenance, personnel, and disposal of residual concentrate.

**Based on production volumes, production cycles, and available buffer capacity,
we calculate your savings potential and determine the appropriate evaporator size.**

CONTACT US!

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