AIR CLASSIFIER STRATOPLEX ASP II

Refined for high performance and low wear
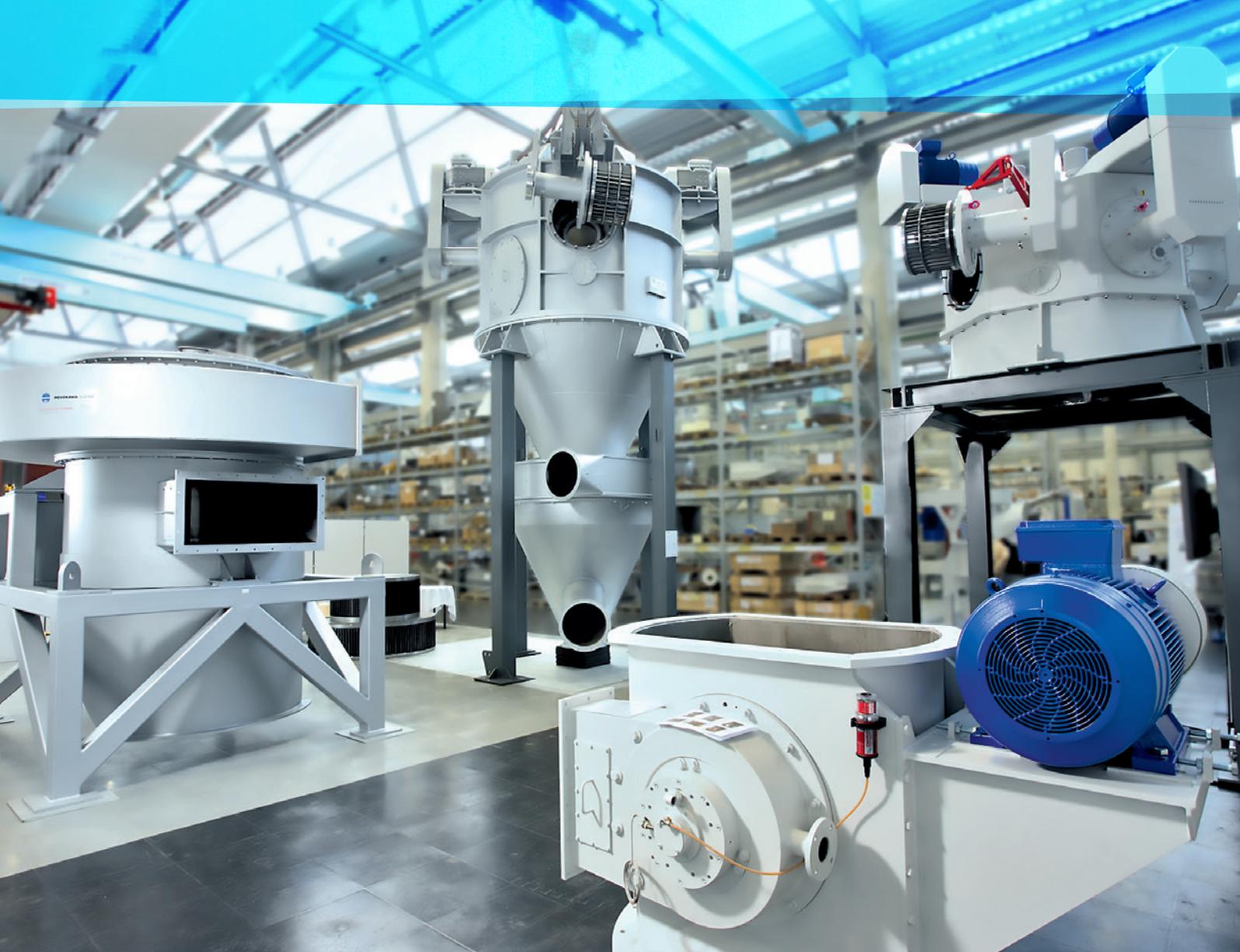
>> **REDUCED WEAR**
>> **FINENESSES FROM 10 µm**
>> **LOW ENERGY REQUIREMENTS**
>> **EXISTING STRATOPLEX ASP AIR CLASSIFIERS CAN BE RETROFITTED**

The deflector-wheel classifier for the fine to medium-fine separation range: high safety standards and 100 % made in Germany!

THE ASP II SETS NEW STANDARDS

Experience the new generation of the air classifier!

The Stratoplex ASP air classifier has long been a guarantee for high performance in the fine to medium-fine separation range. In close cooperation with our customers, we have improved the classic once again. The result: an optimised machine concept with reduced wear and lower energy requirements.

YOUR ADVANTAGES AT A GLANCE:

› Air classifier for high performance in the fine to medium-fine separation range of d_{97} = 10 - 150 μm
› High fines output with high separation efficiency and high product load
› Excellent flow behaviour
› Available for operation in through-air mode and circuit-air mode with approx. 10 % leakage air
› Wear protection through ceramic coating on both sides
› Low energy demand

The Stratoplex ASP II air classifier is used, for example, for the preparation of feldspar, quartz, nepheline, wollastonite or similar materials. The steel or stainless steel version can also be used for food applications such as protein shifting processes.

HOW IT WORKS

The drive of the air classifier is located below the classifying zone, the classifying product is fed centrally from above. In this way, optimum product distribution and dispersion can be achieved. In the classifying area, the classifying air flows through the vanes of the vane ring, arranged spirally, and through the classifying wheel from the outside to the inside. In doing so, it removes the fines from the feed product floating downwards according to the set separation limit.

The fine product then reaches the fine product outlet together with the classifying air. It is separated from the air at a downstream collection device (cyclone, filter). The coarse product is rejected by the classifying wheel and follows gravity downwards.

HOSOKAWA ALPINE ENGINEERED, MANUFACTURED & ASSEMBLED in GERMANY

› *ASP II: Low wear due to low speed and ceramic design*

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EXCELLENT FLOW BEHAVIOUR

For higher fineness at constant speed

Small change, big effect: The following advantages result from an optimised design of the ASP II: To achieve the same fineness, the speed can be reduced by up to 20 % compared to the previous model.

This means: Compared to the previous model, the Stratoplex ASP II has lower energy consumption and less wear. However, if the speed remains the same, the optimised classifying wheel can separate more finely. By retrofitting the classifying wheel, finenesses are now possible that could not previously be achieved.

FIVE GOOD REASONS FOR THE STRATOPLEX ASP II:

> Finer separation at the same speed
> Previous separation level possible at lower speed
> Less drive power, therefore lower energy consumption
> Less wear
> Uncomplicated retrofitting of existing Stratoplex ASP air classifiers

SPECIFICATION

	315	400	500	630
Drive (kW)	5.5	11	15	30
Speed (rpm)	800 – 4,000	640 – 3,200	500 – 2,500	400 – 2,000
Nominal air volume flow (Nm^3/h)	2,500	4,000	6,300	10,000
Fineness d_{97} (µm)*	12	13	14	16
Fineness d_{97} air volume reduced to 80 % (µm)	10	11	12	14

	800	1000	1250	1500
Drive (kW)	45	55 – 75	75 – 110	90 – 160
Speed (rpm)	320 – 1,600	250 – 1,250	200 – 1,000	170 – 840
Nominal air volume flow (Nm^3/h)	16,000	25,000	40,000	64,000
Fineness d_{97} (µm)*	17	19	21	23
Fineness d_{97} air volume reduced to 80 % (µm)	15	17	18	20

*Reference material limestone with density 2,700 kg/m^3

≫ THAT'S WHAT MATTERS
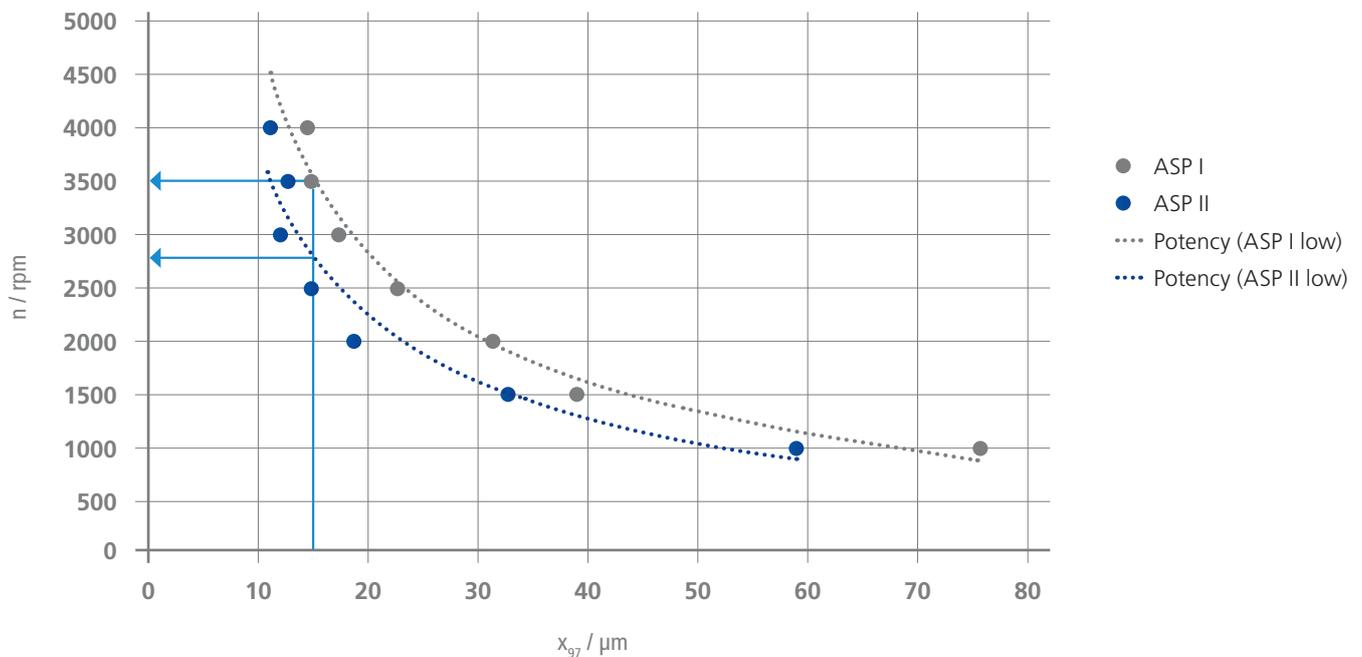
Lower speed, reduced wear: For a fineness d_{97} = 15 µm, ASP II requires approx. 700 revolutions fewer than its predecessor.

HOSOKAWA ALPINE

Process technologies for tomorrow.

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