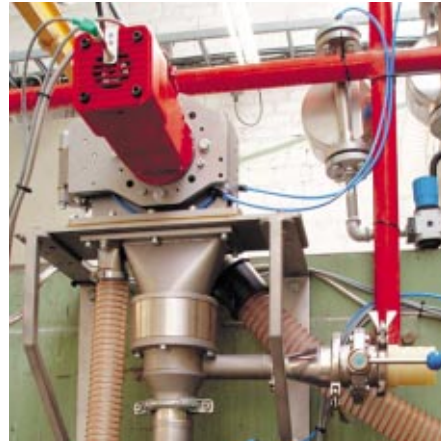


SEPARANO®-E DYNAMIC AIR CLASSIFIERS

WWW.NOLL.EU



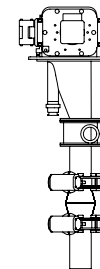
◀◀ **SeparaNo® 9420-E**

◀ **SeparaNo® 2090-E**



◀◀ **SeparaNo® 9420-E**

◀ CLASSIFYING WHEEL 300



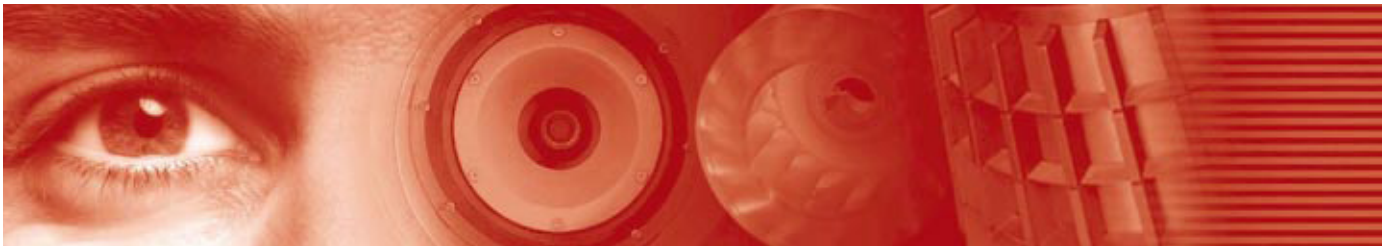
NOLL'S CLASSIFIER SERIES SeparaNo®-E – SPECIALLY DESIGNED FOR THE CLASSIFICATION OF NON-ABRASIVE AND NON-STICKY MATERIALS – REPRESENTS A NEW, REVOLUTIONARY CLASSIFYING TECHNOLOGY. WE HAVE REVERSED THE CLASSIFIER'S DIRECTION OF FLOW AND PROVIDE A NEW, IMPROVED PRODUCT INPUT. WE HAVE ALSO OPTIMIZED HOUSING GEOMETRY: THE CLASSIFIER'S ARRANGEMENT IS NOW ECCENTRIC, PERMITTING A CONSIDERABLE REDUCTION OF THE ADDITIONAL AIR REQUIRED, WHILE MINIMISING ABRASION.

- ▶ FULLY AUTOMATIC OPERATION
- ▶ COMPACT CONSTRUCTION
- ▶ EXTREMELY LOW ABRASION
- ▶ HIGHLY EFFICIENT CLASSIFICATION

CONTACT:

NOLL PROCESSING TECHNOLOGY

MAX-FISCHER-STR. 20 B	PHONE: +49 (0) 82 34 / 9 66 15 - 0
D-86399 BOBINGEN	FAX: +49 (0) 82 34 / 9 66 15 - 80
WWW.NOLL.EU	E-MAIL: INFO@NOLL.EU



SEPARANO®-E DYNAMIC AIR CLASSIFIERS

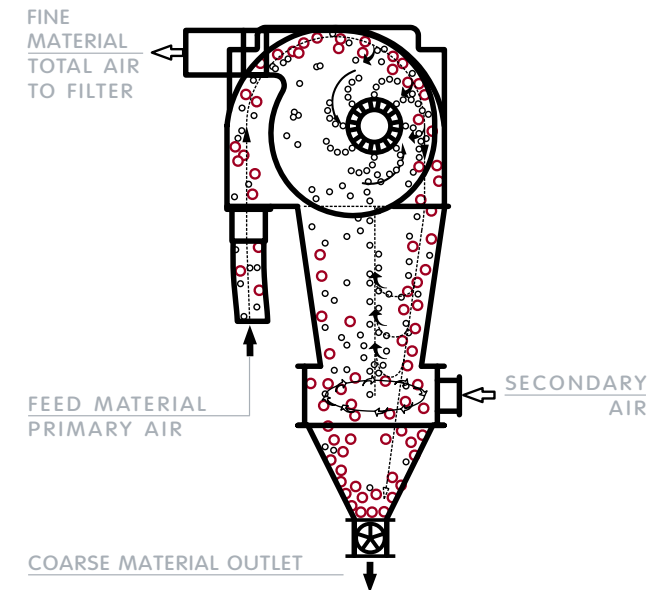
WWW.NOLL.EU

WORKING PRINCIPLE CLASSIFICATION

The product enters via the primary air stream and is directly transported to our specially designed NOLL classifying wheel. Dry, oil-free air ensures uncontaminated feed material. Using centrifugal forces, the classifier wheel separates the fine particles from the coarse, allowing very steep particle size distributions.

The coarse material flows back down into the coarse material separation zone, where its particles mix with turbulent air; thus further separating small dust particles and eliminating agglomerates. The treated coarse particles continue through the bottom timing flap exit to be discharged.

The classifying performance is controlled and optimized by adjusting air volume and throughput, as well as by the classifying wheel's rotational speed. A specially generated air stream along the classifier wheel insures that no powder can enter the bearings or block the classifying wheel. The fine material according to specification exits the machine through the tangential exit, where it is packaged in the appropriate packaging medium.



PRODUCT-SPECIFIC MACHINERY CONFIGURATION:



CLASS. WHEEL

- ▶ Stainless steel
- ▶ Special steel
- ▶ Polyurethane
- ▶ Polyamide
- ▶ Ceramic



INTERNAL LINING

- ▶ Stainless steel
- ▶ Special steel
- ▶ Steel+polyurethane
- ▶ Steel+ceramic



SEPARATION BLADES

- ▶ Stainless steel
- ▶ Special steel
- ▶ Steel + polyurethane

CONTACT:

NOLL PROCESSING TECHNOLOGY

MAX-FISCHER-STR. 20 B

PHONE: +49 (0) 82 34 / 9 66 15 - 0

D-86399 BOBINGEN

FAX: +49 (0) 82 34 / 9 66 15 - 80

WWW.NOLL.EU

E-MAIL: INFO@NOLL.EU



SEPARANO® - E DYNAMIC AIR CLASSIFIERS

WWW.NOLL.EU

FIGURES - DATA - FACTS

Separano® - E SERIES	Separano® E 9000	Separano® E 12000	Separano® E 15000	Separano® E 18000
TYPE DESIGNATION	9360/9420	12480/12600	15720/15840	18960/181080
RANGE OF PERFORMANCE (kg/h)	up to 4000	up to 8000	up to 12000	up to 18000
Fines output 200 days/3 shifts (MT/year)	19200	38400	57600	86400
FEED RANGE (mm)	< 5,0	< 8,0	< 10,0	< 10,0
FINENESS RANGE (D ₉₇ μm)	3 - 120	4 - 140	4 - 160	5 - 180
CLASS. WHEEL SIZE (Ø mm)	360/420	480/600	720/840	960/1080
AIR QUANTITY MAX. (m ³ /h)	8000	16000	24000	36000
CLASS. WHEEL DRIVE (kW)	11/15	18,5/22	22/30	30/37
BLOWER DRIVE (kW)	max. 37	max. 75	max. 132	max. 250
DIMENSIONS (approx. h/w/d m)	2,5×1,7×1,5	3,4×2,3×2,	4,3×2,9×2,5	5,2×3,5×3,0
MATERIALS IN CONTACT WITH PRODUCT	stainless steel, special steel, polyamide, polyurethane			



Carbons - Graphite synthetic (C), D₅₀ = 6 μm

APPLICATION EXAMPLES:

inorganic pigments, powder coatings, toner, technical ceramics, minerals, graphite, chemical products, foodstuffs, high-purity materials

OPERATING RANGE

RANGE OF APPLICATION non-abrasive, non-adhesive materials, materials not tending to deposit, high-purity products

TEMPERATURE RANGE ±5°C to 180°C

PRODUCT HARDNESS up to 6 Mohs

OFFERED EQUIPMENT

Separano®-SE eccentric equipment with classifier door and spiral outlet

Separano®-E eccentric equipment without classifier door and spiral outlet, low budget

CONTACT:

NOLL PROCESSING TECHNOLOGY

MAX-FISCHER-STR. 20 B PHONE: +49 (0) 82 34 / 9 66 15 - 0

D-86399 BOBINGEN FAX: +49 (0) 82 34 / 9 66 15 - 80

WWW.NOLL.EU E-MAIL: INFO@NOLL.EU