

Specialised System Components for Flour Milling Plants



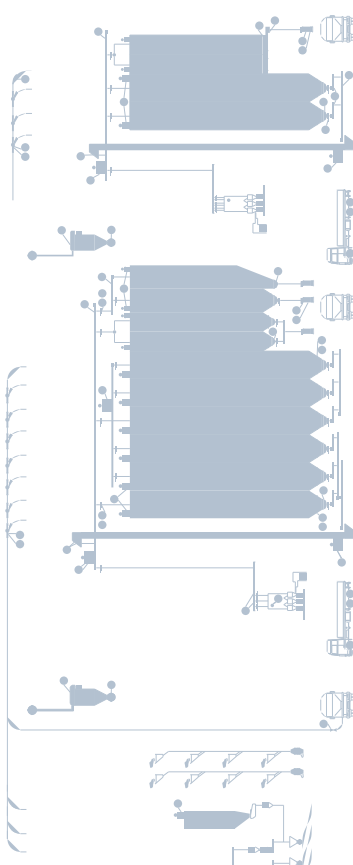
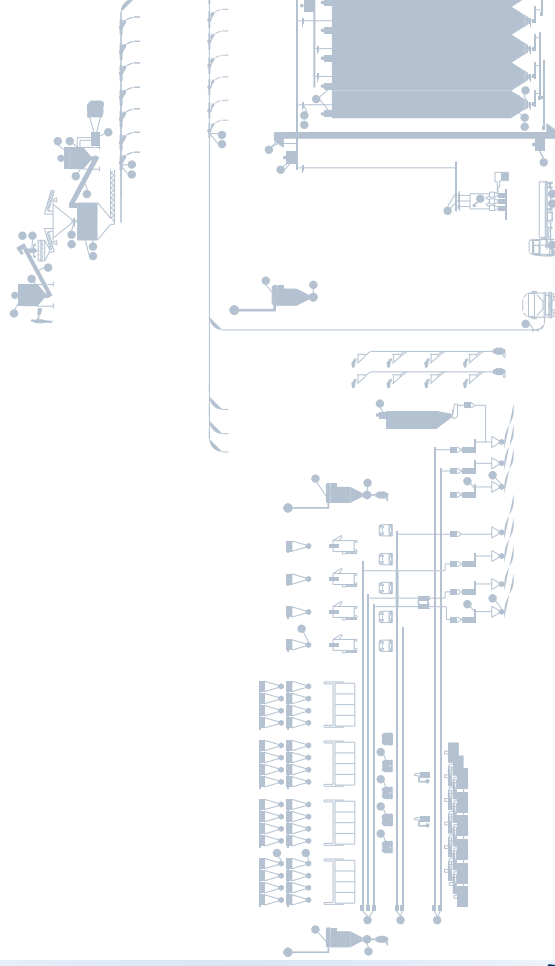
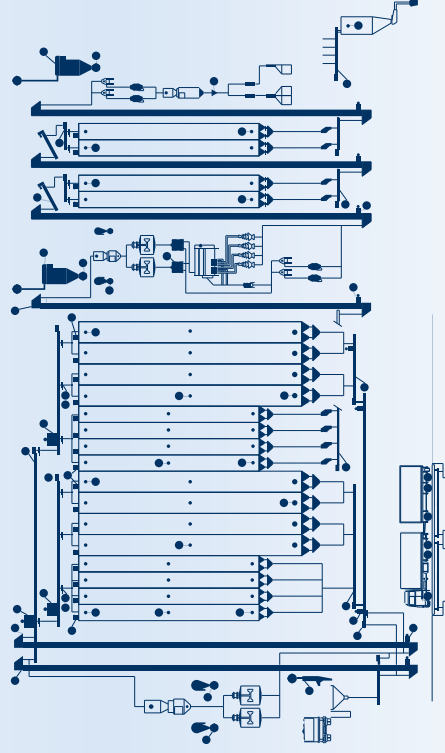
Flour Milling

WAMGROUP® offers specialised system components tailored to the specific requirements of project engineers of flour milling plants.

By selecting this specialised equipment, system designers have the assurance they will combine top quality and performance with the highest possible operating efficiency.

RAW MATERIAL STORAGE

Cereals on arrival at the plant are collected in big silos or cells; different steps of cleaning and conditioning ensure the cereals will be ready for the milling process with the right moisture content.



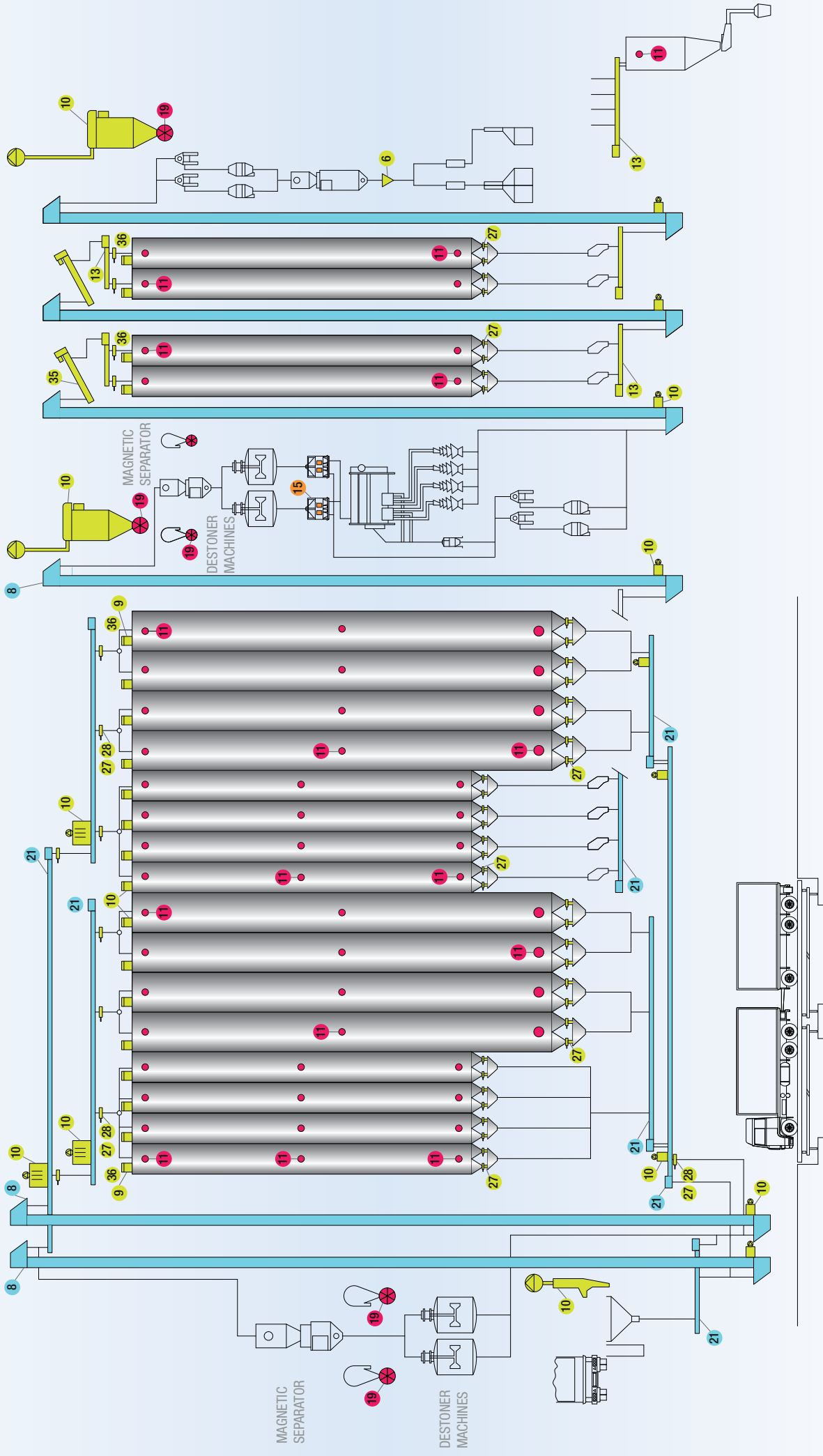
PRE-CLEANING AREA

GRAIN STORAGE SILOS

1st CLEANING AREA

WET GRAIN REST AREA

2nd CLEANING AREA



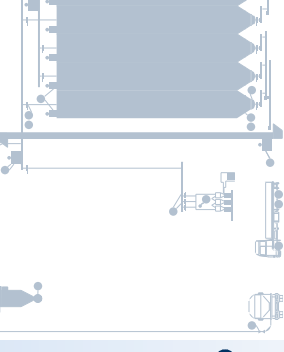
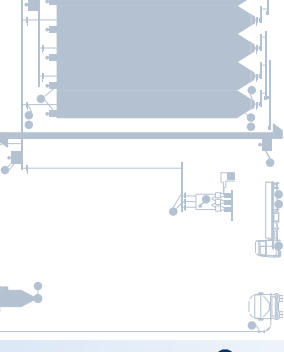
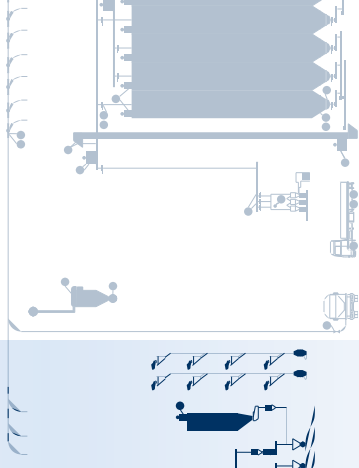
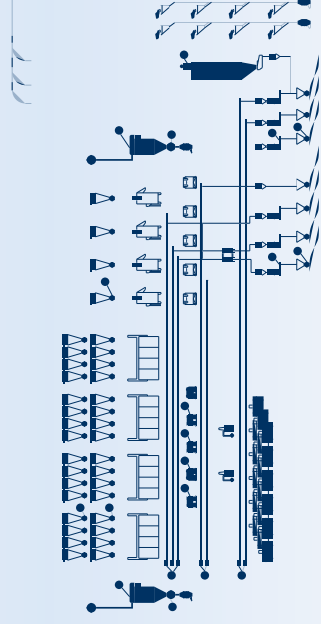
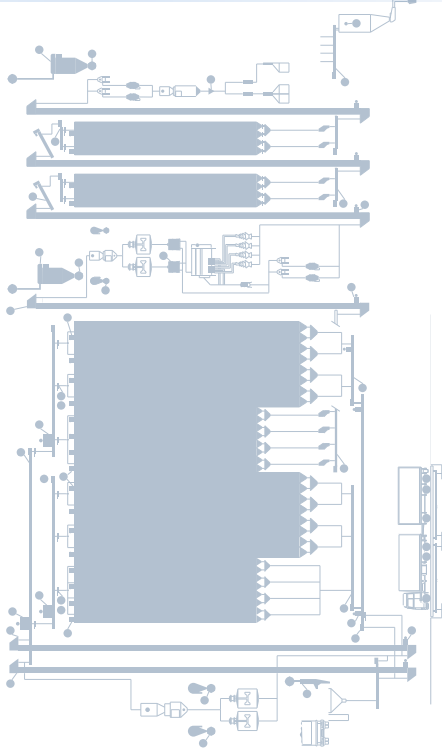


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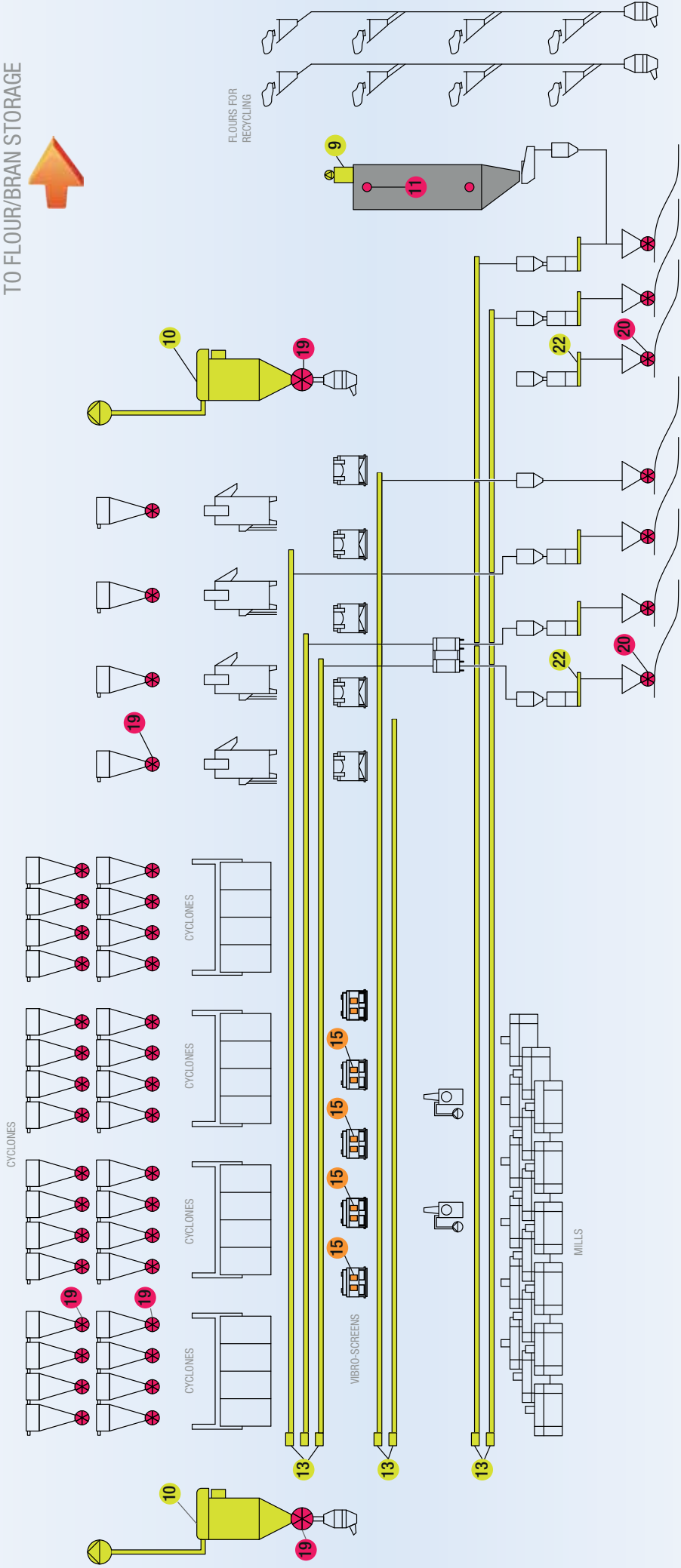
MILLING & SCREENING AREA

This is the core of the plant: Cereals are milled to extract the flour from the husk. Several mills and sieves produce flours in different particle size and purity.





TO FLOUR/BRAN STORAGE



CYCLONES

CYCLONES

CYCLONES

CYCLONES

CYCLONES

VIBRO-SCREENS

MILLS

FLOURS FOR RECYCLING



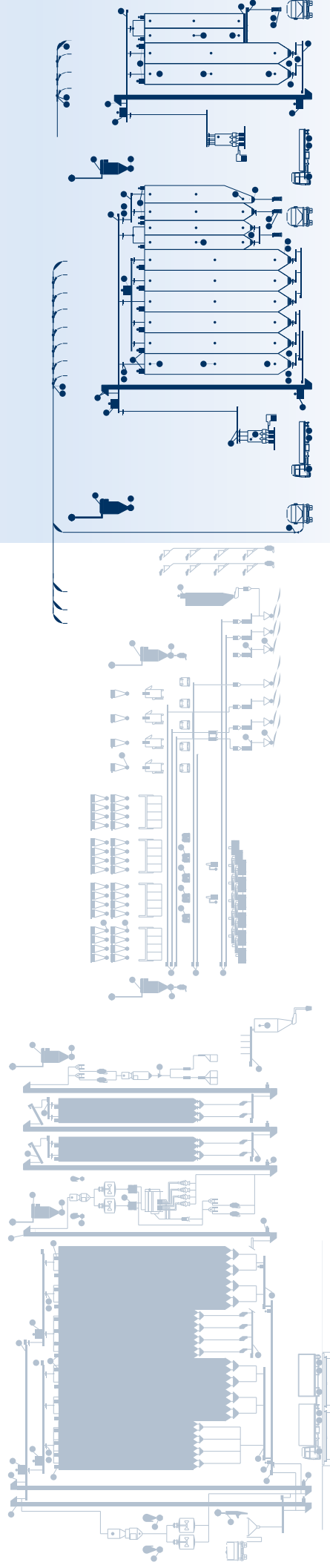
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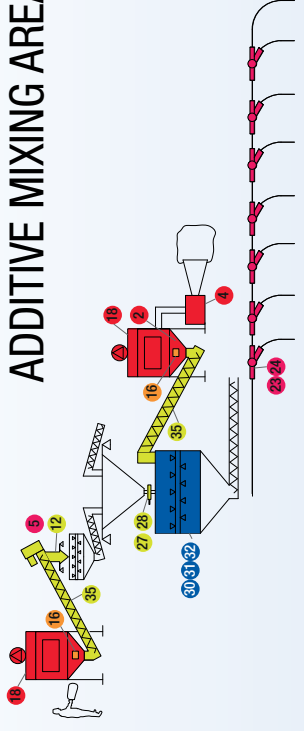
FLOUR/BRAN STORAGE

Classified milled flours and by-products are conveyed in this area to be stored in silos or cells to be then distributed to the market. In that area flours are extracted from silos to be packed into bags or loaded into tankers for bulk delivery.

To obtain products with specific properties, flours can be also extracted from silos and mixed with other ingredients (additives, vitamins, ...) before being packed or stored again.

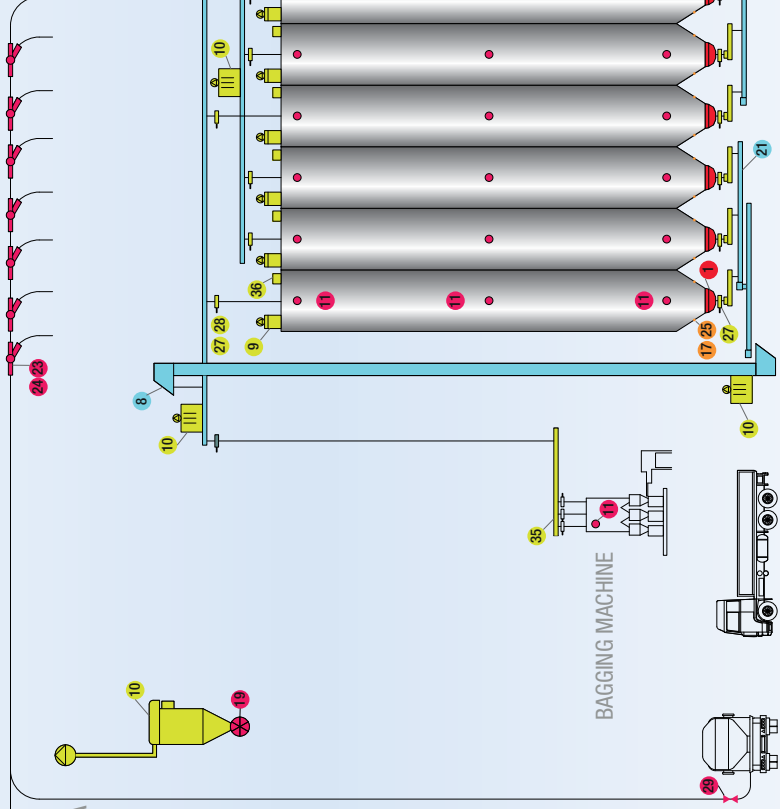


ADDITIVE MIXING AREA

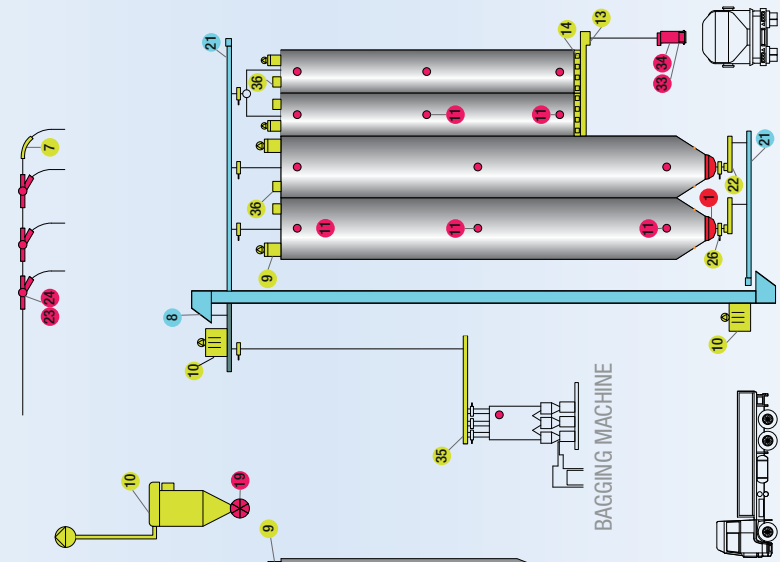


FLOUR STORAGE

FROM MILLING & SCREENING AREA



BRAN / SPECIAL FLOURS STORAGE



1

Bin Activator BA-210 BAEX-210
Mass flow discharge



2

BINSWEEP® Rotary Dischargers BSN
Height-saving discharge



3

Tapered Twin Shaft Screw Feeders BU
Mass flow discharging & feeding



4

Waste Bag Compactors COM
Clean work environment & operator safety



5

Loss-In-Weight Screw Feeders DCC
Highly reliable and easy to clean



6

Diverter Valves DVA
Dustproof



7

EXTRABEND® & EXTRACURVE® Pipe Elbows
Abrasion-resistant lightweight design



8

Bucket Elevators EF-EC
Maximum work safety, ATEX zone 22-compliant



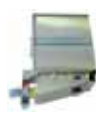
9

WAMELO® Dust Collectors FN-210 and FNX-210
Compliant with ATEX and latest health & safety standards



10

WAMAIR® Dust Collectors FP-210 / FPX-210
Maintenance-friendly



11

Rotary Level Indicators IIT
Easy to install



12

Micro-Batch Feeders MBF-210
Process reliability



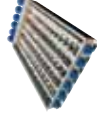
13

Trough Screw Conveyors MSC
Easy access for cleaning



14

Live Bin Bottoms MU
Ideal for discharging bran or middlings



15

External Electric Vibrators MVE-210
ATEX zone 22-compliant



16

External Pneumatic Vibrators OT-type
Durable



17

MARTSHOCK Pneumatic Hammers PS
High impact force



18

Manual Bag Openers RSM-210 - RSMX-210
Minimum-residue design



19

Drop-Through Rotary Valves RV/RVR
Versatile in all applications



20

Blow-Through Rotary Valves RVS
Easy access to internal parts



21

Chain Conveyors TCG
Sturdy design



22

Tapered Single-Shaft Screw Feeders UM
Minimum-residue design



23

Diverter Valves VAD
Easy to install, compact design



24

Diverter Valves VAR
Contamination-free



25

Vibrating Bin Aerators VB
For all powdery materials



26

Butterfly Valves VFS
Maintenance-friendly: small number of components



27

Slide Valves VG
High flow rates



28

Slide Valves VL
No seal adjustment required



29

Pinch Valves VM
Easy sleeve replacement



30

Batch-Type Single Shaft Mixers with Bomb Bay Discharge WBH
Short mixing and discharge time



31

Continuous Single Shaft Mixers WAH
High productivity



32

Ribbon Blenders WBN
Gentle mixing



33

BELLOJET® Tanker Loading Bellows ZA
Built-in low-profile dust collector



34

Tanker Loading Bellows ZG
No waste material during loading



35

Tubular Trough Screw Conveyors & Feeders CAO
Minimum-residue design

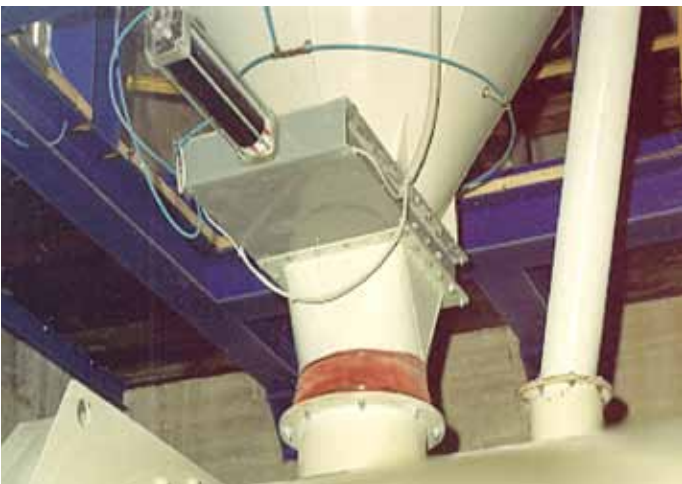


36

VCP Spring-Loaded Pressure Relief Valves
Maximum work safety: ATEX zone 21-certified



APPLICATIONS





UNI EN ISO 9001-2000
Certified Company



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