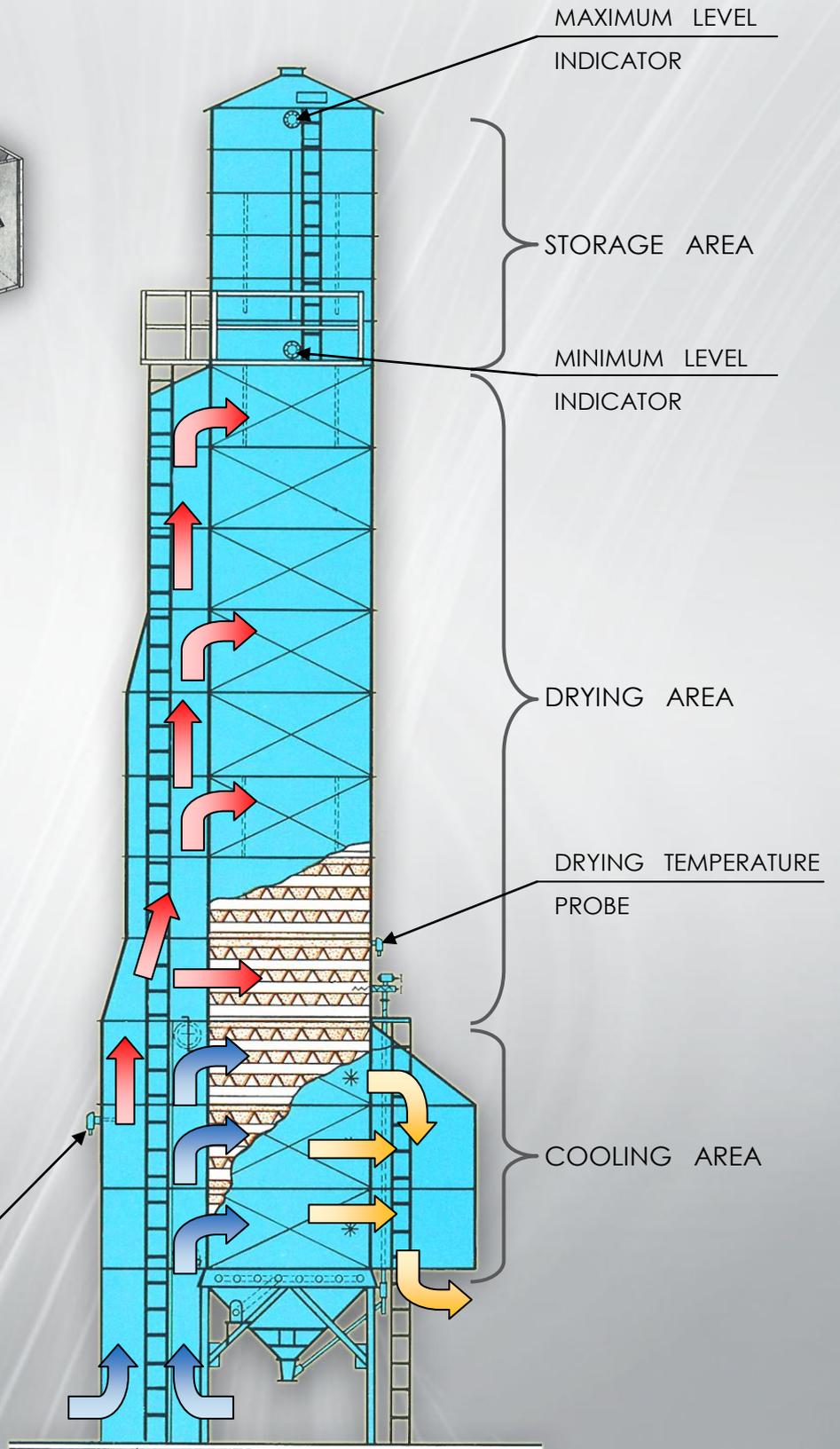


DRYER SECTION

-  AMBIENT AIR
-  HOT AIR
-  WARM MOIST AIR

BURNING TEMPERATURE
PROBE



Dryer top consisting of inlet section with inspection door and 3 buffer bins (inner dimensions 2.434x2.434 mm, height: 1.188 mm each), total capacity: 21 m³, one level control for safe operation, extra two level controls for start/stop of the feeding system.

Frame independent of the dryer for support of the aeration system, with service platform and access ladder. Ladder with rest platform to the top.

Drying/cooling sections, (inner dimensions 2.434x2.434 mm, height: 1.188 mm each). Both the drying and cooling zone are equipped with grain temperature measuring sensors for the control of the drying process. Reinforcement of the dryer column.

Air distribution chamber for drying-/cooling air, over the total height of the drying column. 2 air flaps for adjustment of the drying/cooling zone. The hot air chamber is provided with a temperature sensor, CS120, for the drying air thermostat as well as the safety thermostat, which only can be reset manually. Double exhaust chamber over the total height of both sides in the column.



Aeration system with efficient dust control. Ciclofans CF-30, motor 22 kW, complete, vertical position, with miniciclone, air return hose, with recovery of the dust, efficiency 94%. Unitary flow: 27.160 m³/h.

Screw conveyor ILPERSA-200, with motoreducer 0,75kW, for recovery the dust from the ciclofans.

Rotary valve JK25S, with motoreducer 0,25 kW., and connection to bags.

In tests, realized by a independent company, the total dust emission to the ambient was 35 mg/m³/h. much less than the EU norms requirements.

Dryer base with discharge mechanism, with 0.75 kW motoreducer, manual speed variator. The discharge is manufactured from heavy-duty steel and is one of the leading discharge methods on the market. By means of 6 rollers with different speeds, we control step by step the capacity of the discharge of the dryer, and we assure the first in- first out discharge of the grain. The design of the discharge ensures absolute emptying, prevents clogging when the dryer is in operation and easy cleaning by a device that open totally the plate under the rollers. Height of the dryer base is 2586 mm. Outlet hopper with flange connection to piping.