

DRYER TOP

Dryer Top

The top of the dryer column in a Cimbria Continuous Flow Dryer consists of a top section, a number of buffer bins, a level meter and in some cases a relief section.

Material

The top can be supplied in 2 mm galvanised steel plate according to EN 10142.

Top Section

The top section is delivered with an inlet flange see type in table 1. The flange is located centrally at the top section. Furthermore the top section is supplied with an inspection hatch (500 x 400 mm).

Buffer Bin

The dryer has a buffer bin to avoid needles start and stopping of the transport equipment.

The dryer in its standard form is equipped with buffer bins and can be delivered with a maximum of 8; 3 with conical top and 5 with flat top. Additional buffer bins will require special support of the dryer.

The buffer bins are constructed from trapezoidal plates. These plates stiffen the buffer bin. The buffer bins are not equipped with stiffening air ducts as the drying sections.

Relief Section

A- and B-dryers are supplied with a relief section replacing the bottom buffer bin.

The relief section prevents the weight of the material in the buffer bin from deforming the top air ducts. The cubic content of the relief section is less than that of the buffer bin. For A- and B-dryers respectively 2.94 and 1.86 m³.

Figure 1: Dryer Top with level meters

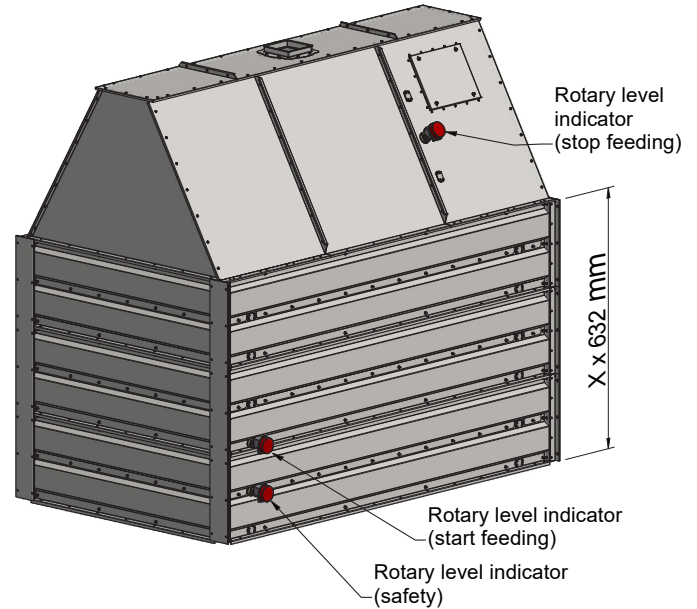


Table 1: Top Section

| | | A-dryer | B-dryer |
|-------------------|----------------|---------|---------|
| Inlet flange | | Q-24 | Q-20 |
| Length | mm | 2 000 | 2 000 |
| Width | mm | 3 400 | 2 170 |
| Height | mm | 1 250 | 1 250 |
| Weight galvanised | kg | 265 | 185 |
| Cubic content | m ³ | 3.76 | 2.62 |

Table 2: Buffer Bin, measurements

| | | A-dryer | B-dryer |
|---------------|----------------|---------|---------|
| Length | mm | 2 000 | 2 000 |
| Width | mm | 3 400 | 2 170 |
| Height | mm | 632 | 632 |
| Cubic content | m ³ | 3.89 | 2.43 |