

# Data Sheet 72.1

## 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.

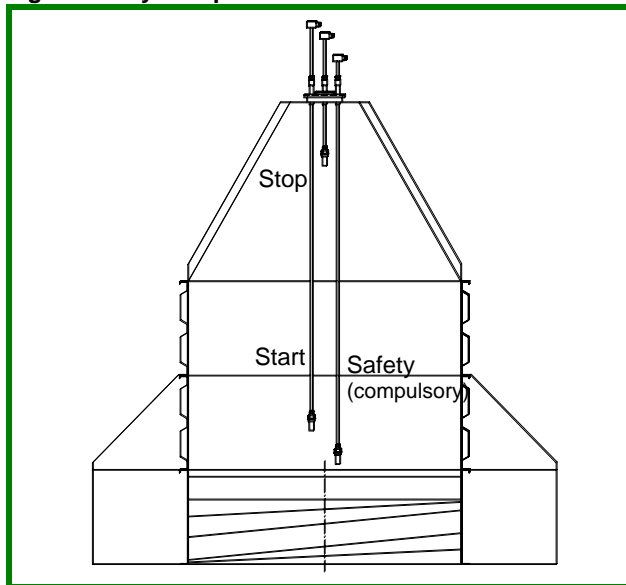
### Material

The top can be supplied in either:  
2 mm aluminium sheets according to DIN 1725-part 1 or  
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 540 mm) and a stand for level meters.

**Figure 1: Dryer Top with Level Meters**



2 level meters for start/stop of the material into the dryer and a bracket for a chain conveyor can be supplied as extras. The bracket is to keep the load of a chain conveyor off the top section, which is not dimensioned for extra load.

**Table 1: Top Section.**

	A-dryer	B-dryer	C-dryer
Inlet flange	Q-24	Q-20	Q-16
Length	2000	2000	2000
Width	3400	2170	1350
Height	1250	1250	1250
Weight aluminium	90	65	45
Weight galvanised	265	185	130
Cubic content	3.76	2.62	1.66

Measurements in mm, cubic content in m<sup>3</sup>, weight in kg.

### 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 2 buffer bins and can be delivered with a maximum of 4. 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.

**Table 2: Buffer Bin, Measurements.**

	A-dryer	B-dryer	C-dryer
Length	2000	2000	2000
Width	3400	2170	1350
Height	632	632	632
Cubic content	3.89	2.43	1.46

Measurements in mm, cubic content in m<sup>3</sup>.

### Relief Section

A- and B-dryers constructed from aluminium 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 m<sup>3</sup>.