

# CPU - Component Pick-up Unit

## Data sheet

Kongskilde's CPU system is specially developed to pick up small plastic components by air to be conveyed through a pipe/hose system.

The system gently picks up components in bulk from containers and boxes in the warehouse and conveys them to your filling lines or packaging area. The solution integrates the CPU with a blower and the CVL which delivers your components in batches. The CVL/CPU systems are linked to the level switches at the receiving destination for automatic start/stop of component feeding.

This integrated solution can handle a wide range of plastic components. The CPU is designed to handle components ranging in size from 10 to 50 mm when measuring the widest section of the components, provided they do not have a geometry that allows them to interlock, or are particularly fragile.

The system moves the

components by vacuuming them through a pipe / hose system. The configured pipe system consists of steel pipes and flexible hoses, with a diameter of 100 mm. The configuration of the piping solution depends on the nature and quality of the components and customer demands.

Optimum operation of the pneumatic system is achieved with the MultiAir FC series of blowers.

We thoroughly test your components in our Technology Centre to guarantee conveying without damage to your components or clogging issues. As part of defining a project, conveying capacity is always verified by carrying out a test.



### Example of pick-up and conveying performance per line

Blower:	MultiAir FC 2080
Conveying distance:	30m
Components:	Caps Ø25 x 20 - 5 g each
Capacity:	20,000 pcs/hour

Conveying distances can be both longer and shorter and capacities higher or lower depending on the specific configuration of the conveying system.

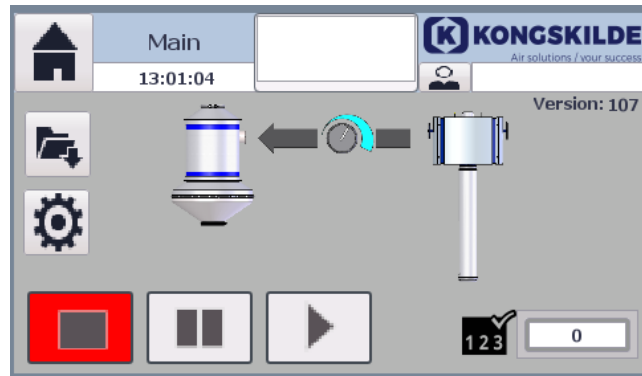
### Technical Data

Specifications	CPU
Voltage/frequency	230V - 50 Hz
Weight, excl. accessories	app. 370 kg
Max. container dimensions (width x depth x height)	120 x 120 x 180 cm
Unit height x width x depth	460 x 120 x 164 cm

# Control and Accessories

## Control Panel

The CPU is easily controlled from the HMI panel. This user interface allows you to set up and save many different component conveying jobs. It is fast and intuitive to switch between the jobs.



## Blower Control Multi Unit Control

It is possible to control the blower performance from the CPU's actual suction need for any given job by retrofitting a MUC control. The MUC is relevant when you have more than one CPU connected to the same blower.

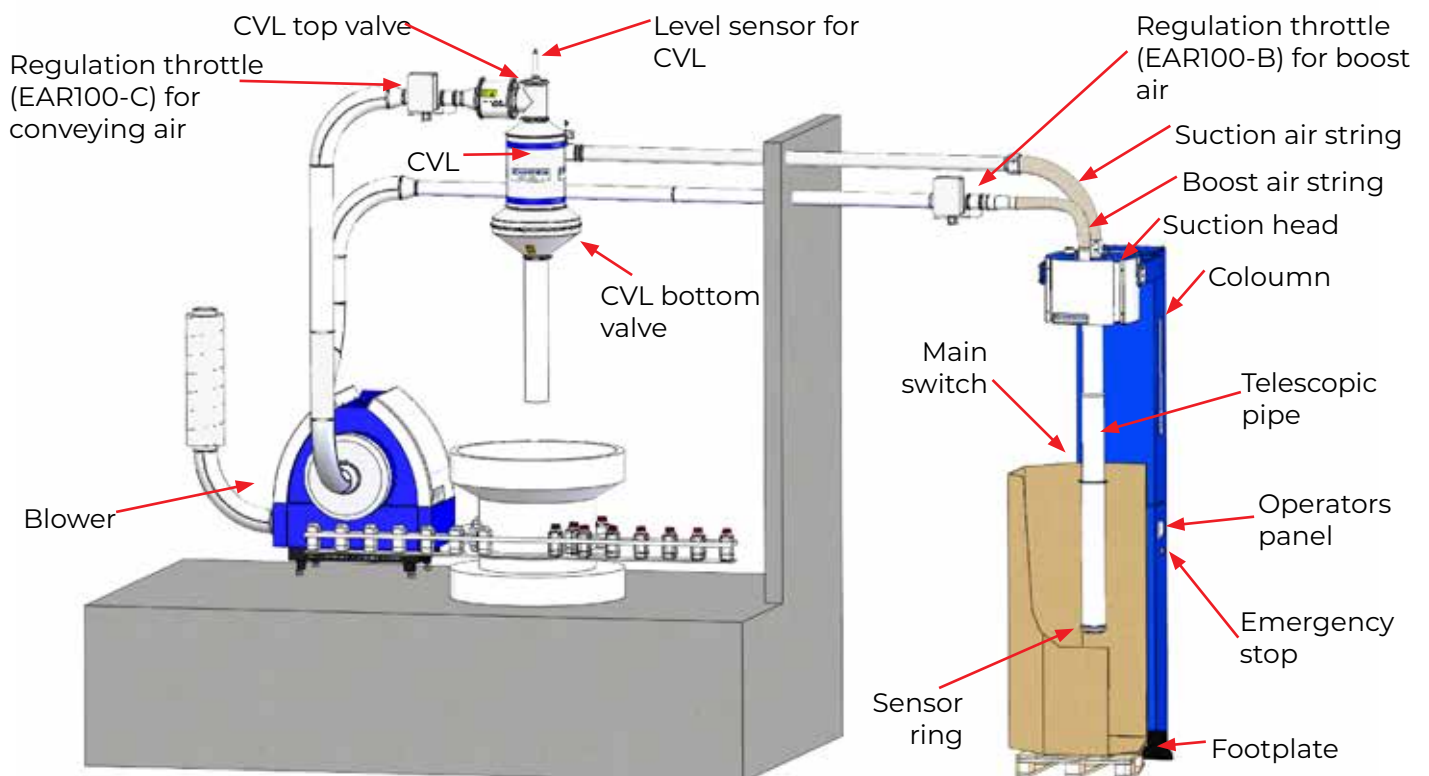
The controller is mounted internally in a MultiAir FC blower, and connected to the CPU's control.

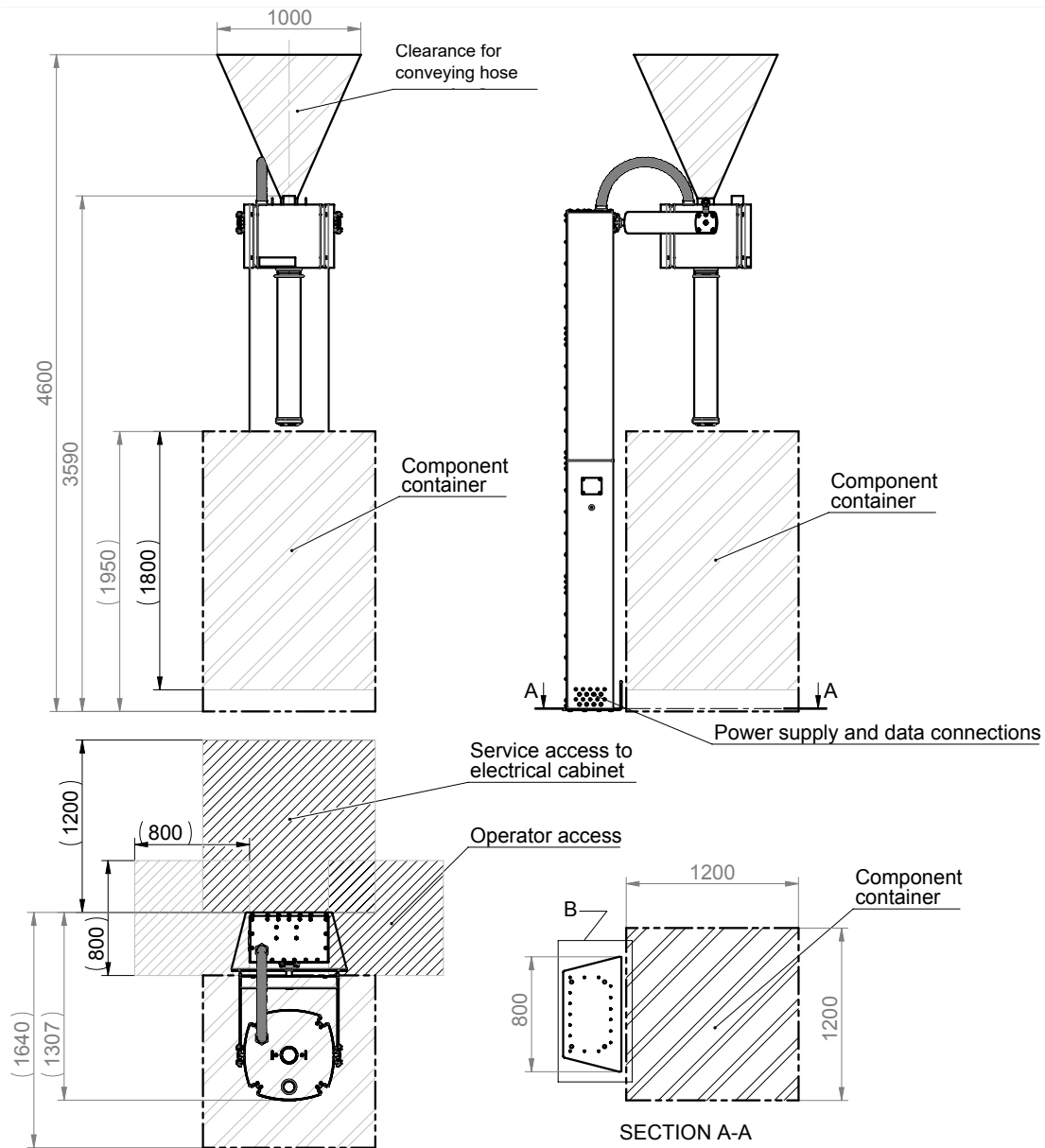
A MultiAir FC 2000 blower will be able to drive up to six CPUs.

The MUC receives input from up to six CPUs and will adjust the blower performance, so the CPU which requires the highest performance is given priority. Therefore, there is always sufficient performance for all CPUs.

Blower performance is only lowered when all CPUs send a signal to the MUC to reduce performance.

When performance is lowered, the MUC ensures that no unnecessary energy is spent on the operation of the system and thereby optimizes the energy consumption.





**Kongskilde Industries A/S**

Tel. +45 72 17 60 50

industry@kongskilde-industries.com

www.kongskilde-industries.com