

CO₂ CYLINDER FILLING UNIT



CYLINDER FILLING UNIT (CFU)

The Cylinder Filling Unit consists of a high pressure cylinder filling pump with a capacity of 600 kg/hr connected to the CO₂ storage tank in a by-pass system.

When the filling of the cylinder stops, the CO₂ is circulated back to the CO₂ storage tank.

For easy operation, the cylinder is connected to the filling system with a quick coupling. The correct filling amount of CO₂ is adjusted on the scale.

The scale is supplied with an electronic weighing control system, with various facilities such as automatic zero control, auto-tare for registering known tare, output for printer or computer with indication of e.g. hour, item no., customer no. and dispatch no. The scale graduation is 20 g.

SCOPE OF SUPPLY

- Cylinder filling pump with AC motor
- Filling and safety valves
- Electronic weighing system
- Frame mounted with base plate in stainless steel
- Optional with 2 weighing scale systems for even faster filling

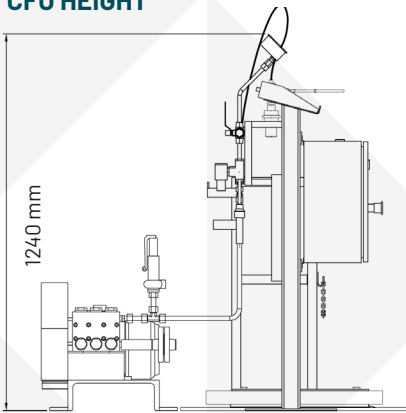
CFU BENEFITS

- Plug & Play - easy installation
- Intuitive parameter setting on easy readable display with easy touch buttons
- Electronic weighing control system with automatic zero control, auto-tare
- Quick coupling for cylinders
- Fast & easy access to Cylinders
- Easy maintenance

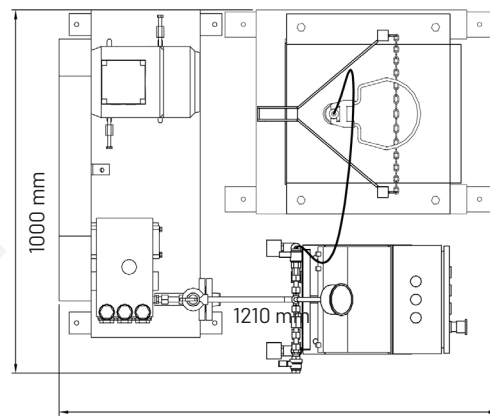
Technical specification:		Weight and dimensions:	
Filling capacity	600 kg/hr	Base plate dimension (for position of cylinders)	400 x 500 mm
Liquid CO ₂ Inlet pressure	13-23 bar (g)	Foot Print (1 cylinder station)	1210 x 1000 mm
Pump Discharge pressure, max.	96 bar (g)	Foot Print (2 cylinder station)	1210 x 1590 mm
AC motor	3 kW	Weight (1 cylinder station)	approx. 200 kg
Load range	0-200 kg	Weight (2 cylinder station)	approx. 240 kg
Graduation	20 g		
Connection for cylinder head	quick connection		
Cylinder height	200-1,600 mm		
AC motor	3 kW		
Main Supply	3X380/440V +PE		
Control Voltage	230VAC/24VDC		
Frequency	50 Hz		
Degree of Protection	IP 55		

Type:	Cylinder thread connection:	Order number:
CFU Standard	W21.8X1/14" (DIN477-1)	P0631CFU0600-ST
CFU China version	G5/8" (DIN477-1)	P0631CFU0600-CH
CFU Russia version	G3/4" (DIN477-1)	P0631CFU0600-RU
CFU Standard (2 Cylinders)	W21.8X1/14" (DIN477-1)	P0631CFU600-DOU-ST

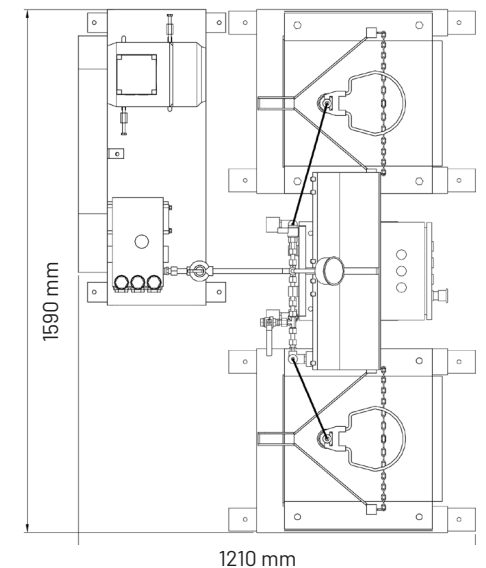
CFU HEIGHT



1 CYLINDER STATION



2 CYLINDER STATION



PRODUCT FLOW DIAGRAM (PFD)

