



Carbon dioxide charging station SZU-1200 and SZU-1200D.

Carbon dioxide charging station SZU-1200 is designed for:

- control over weight of cylinders subjected to filling,
- cylinders filling with liquid carbon dioxide (CO₂) with weight batching,
- filling of cylinders of fire-fighting systems and fire extinguishers,
- filling of carbon dioxide bundles consisting of 6...12 cylinders with weight batching (weighting devices are supplied according to additional order).

Station SZU-1200 consists of pumping unit (made in Germany), control system, and electronic weighting unit. Equipment is

produced ready-to-operate and does not require mounting works.

Filling may be performed in the mode with manual or automatic shutdown of pump when cylinder being filled reaches the set value.

The station is equipped with control device allowing to control the charging process in **automatic mode**. When set value of cylinder fill weight is obtained, the station turns off automatically. Station structure excludes oil entrance into cylinder being charged.

Pumping unit and pipeline system of station are equipped with **protection against emergency excess of operating pressure** of station during its operation or staying under pressure – carbon dioxide discharge through **bursting diaphragm**. The station is equipped with outlet hose with universal unit of connection to average-volume cylinders as per GOST 949-73.

Under order it is possible to produce **station SZU-1200D** with two outlet fittings and two weighting units to **increase number of cylinders being charged per time unit by 15... 20%**.

Under additional order, it is possible to supply **necessary fittings for charging fire extinguishers** and cylinders of other types as well as set of high-pressure metal hoses and necessary fittings for station connection to insulated tank (TsZhU, UDKh, etc.).

Guaranteed service life is 1 year.

Technical characteristics

Operating medium	CO ₂ as per GOST 8050-85
Maximum capacity, kg/h, up to	1100
Time for one 40-liter cylinder charging, min	1.2... 1.5
Operating pressure, kgf/cm ²	140.0
Ambient temperature, °C	-20 ... +40
Accuracy of dosing % of weight, not more than	+1
Weighing range (without tank), kg, not more than	100
Power – industrial network	380 V
Electric motor power, kW	5.0
Volume of cylinder to be charged, L	From 1 to 80
Overall dimensions, mm	600 x 1300 x 1000 (h)
Weight of station, kg	Not more than 200
Specified service life, years	15

