

COMPACT DISCHARGE UNIT

CDU 700/950



DESCRIPTION

CT Systems' CDU compact discharge unit ensures the immediate discharge of bulk materials from hoppers or loaders for continuous and batching processes.

Materials are discharged using a tangentially orientated rotating blade which forces the materials through the bottom outlet. Different blade profiles are available depending on the product features. Controlled material discharge is achieved by using an optional pneumatic butterfly valve.

The CDU compact discharge unit can be used in place of a traditional conical storage hopper and it can be filled manually, mechanically and pneumatically.

Constructed from stainless steel AISI 304 (option AISI 316L) it is suitable for the plastics, chemicals, food, ceramic and pharmaceutical fields.

CDU is suitable for discharging bulk solids from tanks or hoppers when:

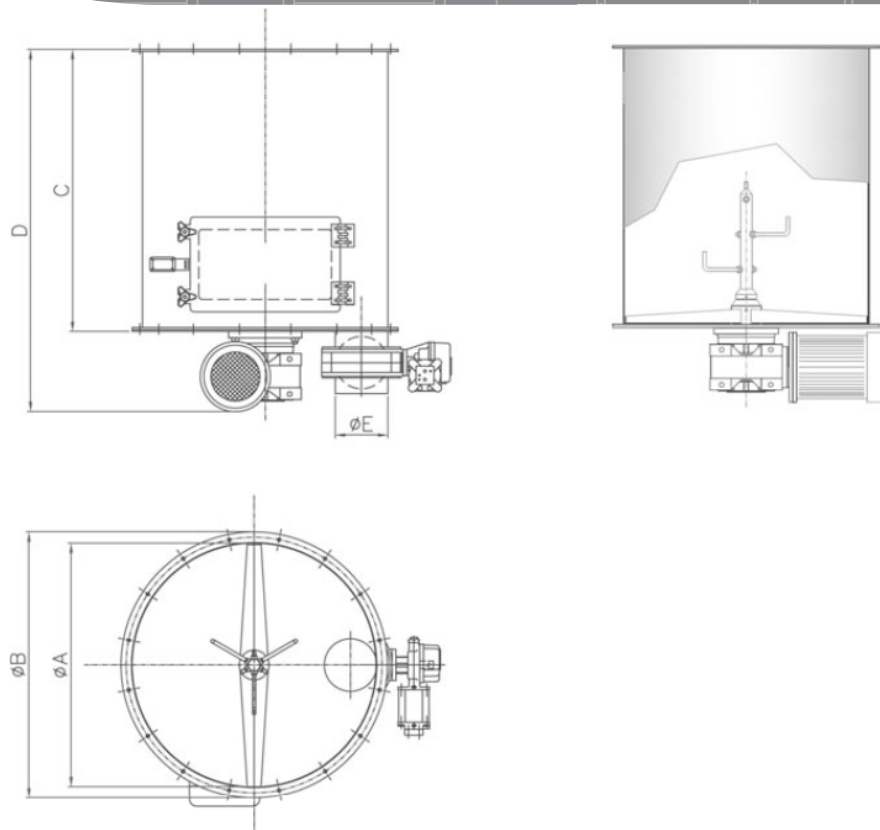
- the product tends to bridge
- a rapid discharging system is required
- limited height is available

DESIGN

- compact modular design
- continuous uniform discharge
- high resistance to wear
- dust tight
- no need for pneumatic or vibrator low support
- front inspection door for quick and easy clean out
- all parts in contact with the materials are made in stainless steel AISI 304
- power supply 400VAC, 50-60 Hz with neutral
- compressed air supply 5-6 bar

The unit conforms to **CE** directives.

DRAWING



TECHNICAL DATA	TYPE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Volume (ltrs)	Motors (kW)
	CDU 700-200	700	760	500	740	150	200	1,5
	CDU 700-300	700	760	800	1040	150	300	1,5
	CDU 700-400	700	760	1000	1240	200	400	1,5
	CDU 700-350	950	1030	500	770	200	350	1,5
	CDU 700-700	950	1030	1000	1270	250	700	2,2

These dimensions are only guideline values. Please ask for a technical drawing for binding measurements.

OPTIONS

- stainless steel AISI316L
- pneumatic butterfly valve for material discharge
- rotary paddle switches for min and max materials level
- different blade designs
- mechanical vertical agitator
- integration with CPJ filters
- FDA certification according CFR 21 178.3570
- ATEX certification 

APPLICATION

- continuous processes
- batching processes
- conveying of all bulk materials



CT SYSTEMS
excellence in innovation

Headquarters and factory

Via Postumia, snc - 15057 Tortona (AL)
Tel.: +39 0131 866105 - Fax: +39 0131 863581
E-mail: info@ctsystems.it