

Apron feeders CPLP, CPLD, CPLDT

Apron feeders are used for continuous feeding or volume dosing of lump or grain materials the temperature of which is up to 200 °C. Feeders CPLP are designed for material of a smaller grain size – already crushed.

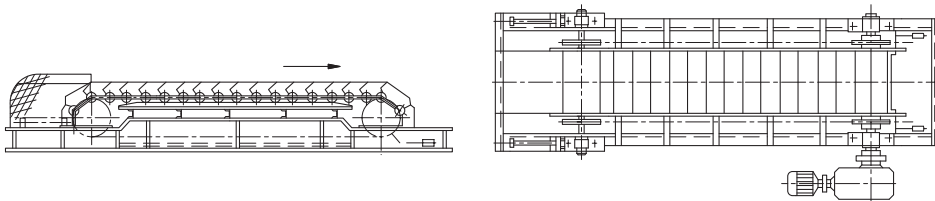
Feeders CPLD and CPLDT are used especially for feeding coarse-grain and lump fractions in process lines of material treatment plants and primary crushing plants.

The exceptional operating properties of apron feeders are:

- High operating reliability
- Low cost for operating and maintenance
- High capacity
- Easy exchange of spare parts
- Simple attendance and maintenance

Basic characteristics of apron feeders

- Feeders CPLP can be installed horizontally for material discharged from a closed bin or they can be installed with an inclination of up to 18° in case the material is fed from an opened hopper.
- Feeders CPLD and CPLDT are generally installed under an opened hopper with the inclination up to 20°.
- The suspended collecting conveyor belt can discharge the undersize portion of fine fractions.
- Adjustment of the capacity is controlled by a frequency converter, variable speed gearbox or asynchronous motor with pole switching.



Principle parameters

Type	Feeder width	Feeder length	Max. layer of material conveyed	Capacity	Power input
	mm	mm	mm	t/h	kW
CPLP 500	500	2400 - 8000	100	10 - 60	1.5 - 15
CPLP 650	650		150	20 - 120	
CPLP 800	800		200	30 - 200	
CPLP 1000	1000		250	50 - 320	
CPLP 1200	1200		300	75 - 480	

Type	Feeder width	Feeder length	Max. layer of material conveyed	Capacity	Power input
	mm	mm	mm	t/h	kW
CPLD 800	800	2500 - 12000	400	30 - 150	5.5 - 42
CPLD 1000	1000		600	55 - 265	
CPLD 1200	1200		800	90 - 410	
CPLD 1600	1600		800	160 - 740	
CPLDT 1600	1600		1200	160 - 740	
CPLDT 2000	2000		1500	225 - 1050	

The capacity of the feeder is determined for a material bulk density of 1.6t/m³.

FEEDING



Assembly of the apron feeder CPLDT 1600x12000



Apron feeder CPLDT 1600x10000



Apron feeder CPLD 1000x4000