

Powder Hopper Loader

Designed to convey free-flowing and non-free-flowing powders.

Comet's CAL-UGP series single vacuum powder loader offers quiet, efficient operation, heavy-duty construction, and a stainless steel hopper receiver to eliminate material contamination. It is designed to convey a mixture of plastic granules and powder, or only powder, using a motor-generated vacuum that forms a pressure gap within the hopper. It is ideally suited for 30% and 100% powder loading.

A high pressure blower is the core of the machine while a double-stage blower is available as an option. Different ranges of hoppers are available depending on your output capacity requirements.

Standard Features

- Contamination-free stainless steel hopper receiver eliminates material contamination.
- Based on your requirements, there are two types of filters available; **bag** for 30% powder conveying or **plate** for 100% powder conveying.
- Dust collection chamber has a cyclone dust separator and dust collection bin to reduce the load on the filter and ensure convenient cleaning.
- Central filter for the hopper is equipped with an air accumulator and self-cleaning device for maximum filter cleaning.
- Equipped with an error alarm light.
- The main unit works with a single- or a double-stage blower (3.5HP and above).
- Vacuum breaking valve to protect blower.
- In case of power failure, data stored on EPROM does not require a backup battery.

Options

- Set regrind mix ratio function via an optional Comet CPV-U.
- Main unit can be equipped with air accumulator auto washing unit to reduce material contamination.
- Heat-insulated hopper.
- Heat-resistant material pipe.
- Cyclone dust separator for CAL-2HP-UGP.
- Buzzer alarm.



CAL-3.5HP-UGP
(Main Unit)



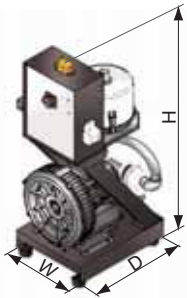
CHR-P-60U

**Storage
Collection
Hopper**

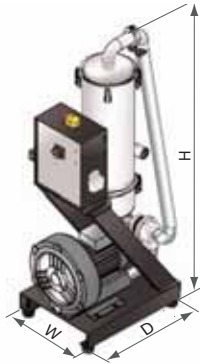


Plate Filter **Bag Filter**

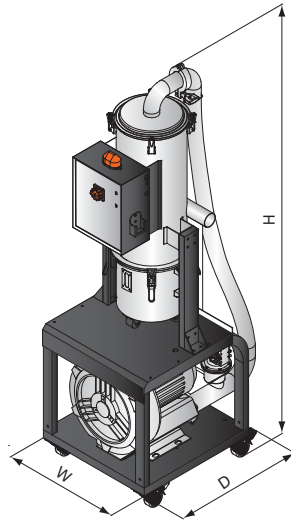
Outline Drawings



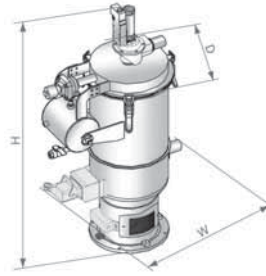
CAL-2HP-UGP
(Main Unit)



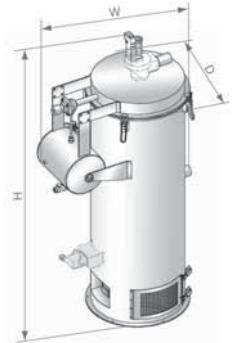
CAL-3.5/5HP-UGP
(Main Unit)



CAL-7.5 ~ 20HP-UGP
(Main Unit)



CHR-P-12U



CHR-P-30U ~
CHR-P-90U

Specifications with Bag Filter (conveying materials containing 30% powder)

Model	MAIN UNIT		HOPPER RECEIVERS							DIMENSIONS (mm)	
	Motor Power kW (50/60Hz)	Specifi-cation	Applicable Model	Conveying Pipe Dia (in)	Air Suction Pipe Dia. (in)	Hopper Capacity (L)	Hopper Dia. (mm)	Conveying Capacity (kg/hr)	Filter Cloth Quantity	Main Unit H x W x D (mm)	Receiver H x W x D (mm)
CAL-2HP-UGP	1.5 / 1.8	3φ	CHR-P-30U	1.5"	1.5"	30	φ 380	400	7	1000 x 400 x 500	1325 x 730 x 470
CAL-3.5HP-UGP	2.4 / 2.6		CHR-P-60U	2"	2"	60	φ 440	800	10	1380 x 490 x 590	1500 x 780 x 500
CAL-5HP-UGP	3.75 / 4.2							1200		1380 x 490 x 590	
CAL-5HP-UGP-D			5.5 / 6.3	CHR-P-90U	2.5"	2.5"	90	φ 550	1500	19	1830 x 585 x 675
CAL-7.5HP-UGP	1830 x 740 x 675										
CAL-7.5HP-UGP-D	7.5 / 8.6		CHR-P-90U	2.5"	2.5"	90	φ 550	2000	19	1830 x 585 x 675	1640 x 890 x 635
CAL-10HP-UGP										1830 x 740 x 675	
CAL-10HP-UGP-D											

Specifications with Plate Filter (conveying materials containing 100% powder)

Model	MAIN UNIT		HOPPER RECEIVERS							DIMENSIONS (mm)	
	Motor Power kW (50/60Hz)	Specifi-cation	Applicable Model	Conveying Pipe Dia (in)	Air Suction Pipe Dia. (in)	Hopper Capacity (L)	Hopper Dia. (mm)	Conveying Capacity (kg/hr)	Filter Cloth Quantity	Main Unit H x W x D (mm)	Receiver H x W x D (mm)
CAL-2HP-UGP	1.5 / 1.8	3φ	CHR-P-30U-2	1.5"	1.5"	30	φ 380	400	2	1000 x 400 x 500	1325 x 730 x 470
CAL-3.5HP-UGP	2.4 / 2.6		CHR-P-60U-3	2"	2"	60	φ 440	800	3	1380 x 490 x 590	1500 x 780 x 500
CAL-5HP-UGP	3.75 / 4.2							1200		1380 x 490 x 590	
CAL-5HP-UGP-D			5.5 / 6.3	CHR-P-90U-5	2.5"	2.5"	90	φ 550	1500	5	1830 x 585 x 675
CAL-7.5HP-UGP	1830 x 740 x 675										
CAL-7.5HP-UGP-D	7.5 / 8.6		CHR-P-90U-5	2.5"	2.5"	90	φ 550	2000	5	1830 x 585 x 675	1640 x 890 x 635
CAL-10HP-UGP										1830 x 740 x 675	
CAL-10HP-UGP-D											

- Notes:** 1. "P" stands for powder loader, "D" stands for double-stage blower.
 2. Conveying capacity test condition:
 Using dry powder plastic material without viscosity : 0.6kg/L
 Vertical conveying height: 4m Horizontal conveying distance: 5m
 3. Power supply: 30, 230/400/460/575V, 50/60Hz
 4. We reserve the right to change specifications without prior notice.

