

HG Series 2

GRAVITROL® Weigh Hopper

Standard Features

- ◆ Integral loader support platform
- ◆ Clear polycarbonate inspection/cleanout door (2.3 cu.ft. models and larger)
- ◆ Inspection sightglass (on 0.3 cu.ft. models and larger)
- ◆ Butterfly drain valve (on 2.3 cu.ft. models and larger)
- ◆ Color touch screen control
- ◆ Integrates with a complete Gravitrol® extrusion control system for precise, consistent throughput control
- ◆ Mild steel construction



The HG Series 2: The precise weigh hopper component of an integrated Gravitrol® system

Designed for use as part of the Gravitrol® system, the HG Series 2 Weigh Hopper incorporates engineering and design breakthroughs to help achieve the optimal result in extrusion: a uniform product within tolerance at the lowest possible manufacturing cost.

The Gravitrol® system gives you total control over your monoextrusion or coextrusion processes. The system can be configured to control extruder rate by weight; layer percentages by weight; weight of extrudate by length; average thickness; and pipe or tube diameter.

The HG Series 2 Weigh Hopper is a central part of this system because it precisely monitors the amount of material consumed by the extruder. In effect, the extruder becomes a gravimetric metering device.

PCC's HG2 mounts directly on the throat of your extruder, requiring no additional support. Standard hopper sizes control an extruder throughput at rates from 10 to 10,000 PPH. Higher-rate hoppers are available on special order.

The HG Series 2's clear poly carbonate inspection/clean out door or sight glass allows visual inspection of hopper contents.

Each hopper is equipped with a touch screen PLC which connects to the load cell and precisely measures the extruder's material consumption. This information is digitized on the hopper for fast, error-free and noise-immune communications with the central Gravitrol® computer. Four-point overload protection on the hopper protects the weighing system from damage due to accidental contact.

Options

- ◆ Integral blender support for 2.5kg & 5kg Guardian® Series 2
- ◆ High temperature design
- ◆ Stainless steel construction
- ◆ Special electricals
- ◆ Positive shut-off knife-gate or swing-gate valve for gravity loading material from above
- ◆ Integral extruder and line speed monitor/control

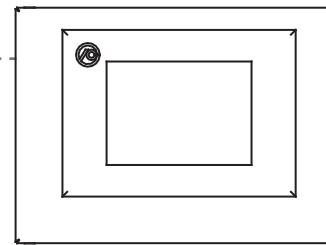
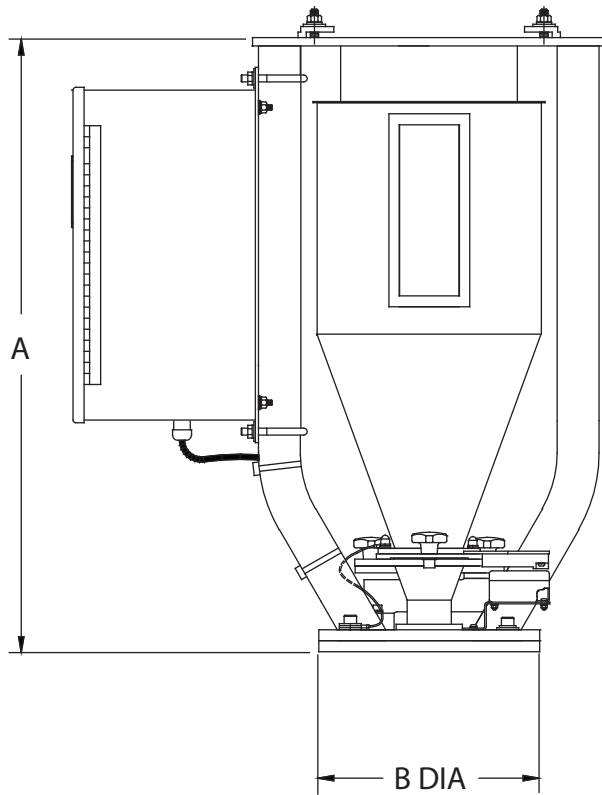


PROCESS CONTROL CORPORATION

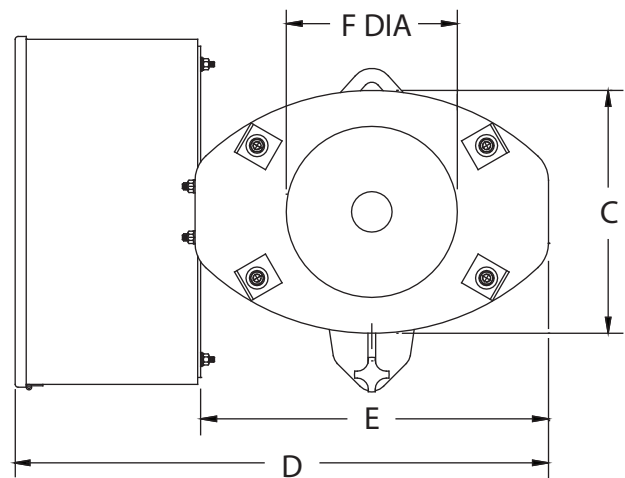
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HG Series 2 Gravitrol® Weigh Hopper



Adjustable Control Panel
for Optimal Height



Top View

NOTE: For 0.3 and 0.6cf hopper, electrical panel is on the left hand side and the control panel is on the right hand side (as shown). For larger hoppers, these positions are reversed.

Specifications for HG Series 2 Weigh Hopper

Model Number	Working Capacity cu.ft. (dm3)	Dimensions - Inches (mm)						Extruder Size		Shipping Weight Lbs (kg)
		A	B	C	D	E	F	MIN	MAX	
HG2003	0.3 (8.5)	28.3 (719)	10.0 (254)	11.0 (279)	24.1 (613)	15.7 (400)	7.8 (197)	1.0 (25)	2.0 (51)	60 (27)
HG2006	0.6 (17.0)							1.5 (38)	2.5 (64)	
HG2019	1.9 (53.8)	37.3 (946)	11.0 (279)	17.0 (432)	30.9 (784)	22.6 (575)	10.0 (254)	2.0 (51)	4.5 (114)	115 (70)
HG2023	2.3 (65.1)	34.8 (883)						2.5 (64)	6.0 (152)	
HG2045	4.5 (127.4)	53.5 (1359)						3.5 (89)	8.0 (203)	