



ITT

BURNY CHC 6 Torch Height Control

Burny Levitator systems automatically maintain the optimum distance between a flame cutting torch and steel plate

- Improves cut quality and reduces scrap
- Numerous design features and performance benefits maximizes productivity
- Interface to many different motor configurations
- Available with new machinery or to retrofit existing torches
- Available as a complete system including sensor ring, cable and bending device or as a stand alone control console

The Levitator System makes it easy for operators of gantry or cantilever shape cutting machines to maintain an optimum cutting distance between the torch tip and the steel plate. It is available from the Burny Division of Cleveland Motion Controls, the global leader in dedicated shape cutting controls and drive systems that improve productivity and reduce costs. By maintaining a constant working distance between the torch tip and the plate, the Levitator System provides consistent high quality cuts, provides faster and more reliable piercing cycles, and enables the machine to cut at maximum speeds. With consistent quality and accuracy, it reduces scrap. In addition, the Levitator System can maximize productivity by freeing the operator, allowing him to perform other tasks while the torches operate unattended.



	Levigator CHC 6	Levigator 50	Levigator 50	Levigator 50
Motor Field Supply	1 A max, 24 VDC nominal	200 VDC	N/A	100VDC
Environment	0-60 C for control	0-60 C for control	0-60 C for control	0-60 C for control
Accuracy	.1mm	.1mm	1.5mm	1.5mm
Max. output amperage	6A	1A	1A	1A
Input voltage	24 VAC +/- 10%, 50/60 Hz	220 VAC, +/- 10%, 50/60 Hz	220 VAC, +/- 10%, 50/60 Hz	115 VAC, +/- 10%, 50/60 Hz
Output voltage	24 VDC, Shunt Wound	180 VDC, Shunt Wound	220 VAC, 50 Hz, Universal	100 VDC Shunt Wound
Min. Height distance	5 mm	5mm	5mm	5mm
Max. Height distance	20 mm	20mm	20mm	20mm
Speed of response	3000 mm/min max	1500 mm/min	1500 mm/min	1500 mm/min
Part number (control only)	MO-13770	X38-22105	X38-22106	X38-22107

	Levigator 50	Levigator 50	Levigator 50	Levigator 50
Motor Field Supply	N/A	N/A	N/A	N/A
Environment	0-60 C for control	0-60 C for control	0-60 C for control	0-60 C for control
Accuracy	1.5mm	1.5mm	1.5mm	1.5mm
Max. output amperage	1A	1A	5A	5A
Input voltage	115 VAC, +/- 10%, 50/60 Hz	24 V AC or DC	220 VAC, +/- 10%, 50/60 Hz	115 VAC, +/- 10%, 50/60 Hz
Output voltage	115 VAC, Universal	24 VDC, 1 amp, Shunt Wound	Relay Output, Permant Output	Relay Output, Permant Magnet
Min. Height distance	5 mm	5mm	5mm	5mm
Max. Height distance	20 mm	20mm	20mm	20mm
Speed of response	1500 mm/min max	1500 mm/min	1500 mm/min	1500 mm/min
Part number (control only)	X38-22108	X38-22109	X38-22110	X38-23074

	Levigator 300	Levigator 300	Levigator 300	Accessory Kits
Motor Field Supply	200VDC	N/A	200VDC	w/500mm cable: MO-13785-500
Environment	0-60 C for control	0-60 C for control	0-60 C for control	w/1000mm cable: MO-13785-1000
Accuracy	0.1mm	0.1mm	0.1mm	w/1200mm cable: MO-13785-1200
Max. output amperage	1.33A	4A	2.5A	w/1500 mm cable: MO-13785-1500
Input voltage	230 VAC, +/- 10%, 50/60 Hz	24 VDC 230	VAC, 50/60 Hz	
Output voltage	115 VDC, 150 W	24 VDC, 100 W	115 VDC, 300W	
Min. Height distance	5 mm	5mm	5mm	
Max. Height distance	20 mm	20mm	20mm	
Speed of response	3000 mm/min max	3000 mm/min	3000 mm/min	
Part number (control only)	X38-28737	X38-29207	X38-22110	

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