

# CLC Systems Ltd



*CLC Systems* has developed a methodology to remove failed Cavity Wall Insulation material from external cavity walls of dwellings or building of similar occupancy. Our system will remove any 'blown-in' material or problem cavity debris and create a clear cavity that can be re-insulated or insulated if the system has been used to remove debris only.

Our system as such will also permit a clear cavity to be able to facilitate External Rendering and External Wall Insulation complying with current Building Regulations.

The procedure involves creating low level cavity access points in the clearance areas by removing corner bricks/masonry or by core drilling to allow access to the cavity with the cavity clearance lance.

The debris/insulation material is removed from the cavity by a specially developed air extraction unit system, assisted by a combination of compressed air and whip/flail devices.

The Air Extraction Unit comes with all accessories to be able to complete your Cavity Clearance projects with full System Design classroom and on-site training packages with carding procedures.

CLC Systems have designed the Extraction Unit with over 14 months research and development and is currently in use by our parent company, CLC Solutions Ltd. Powered by a Honda GX200 motor, the unit can extract wet Fibre, Bonded (including over-bonded) Beads, Foam including debris and rubble.

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## The CLC 200:

This unique Air Extraction Unit is powered by a Honda GX200 motor and is designed to sit neatly in the frame.

The motor creates a consistent vacuum that doesn't falter under load which is reminiscent of removing wet or damp Fibre.

The 360-degree casters allows the unit to be transported around site with locking facilitates to prevent the unit from moving whilst in use. Low grab handles allows the machine to be lifted easily onto a van and also acts as an anchor point whilst in transport.



## The CLC TA:

The CLC TA is the unique collection unit that attaches to the CLC 200 for ease of maneuverability on site.

It is fitted with an air-filter bag that allows insulation or debris to collect in the unit keeping it contained and your site clean.

Low-level grab-handles allow ease of use and lifting onto a van. 360-degree wheels work in tandem with the CLC 200 that also has locking facilities to prevent the machine from moving whilst in use.

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## Face-Brick Connector:

Attaches to 100mm extraction pipe and allows you to remove a face-brick and neatly slot into the aperture minimizing the damage to the aesthetics of the property.



## Corner-Brick Connector:

Similar to the Face-Brick connector, this accessory allows you to remove corner bricks opening up two elevations of cavities. This will aid in the minimizing of the extraction envelopes and keeping building cosmetics upheld.



## Extraction Hose Connector:

This device allows you to cut your 100mm extraction pipe without it going to waste. Simply use this connector to re-use the extraction pipe over and over again.

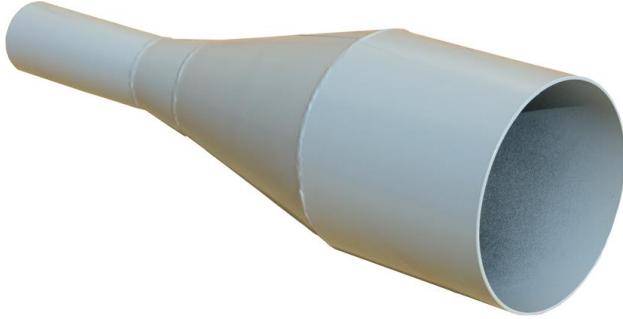
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## Lance-Connector:

For rendered properties where bricks are not visible, simply drill a 100mm core and insert the attachment connected to your Lance and extraction pipe.



## Whip/Flail:

The Flail device works hand in hand with the Air Gun below and is an integral part for agitating insulation within the cavity.



## Air Gun:

The Air Gun is an integral part of your Cavity Clearance projects. Designed at 16mm (with options of a longer nozzle) and one air outlet at the end will create voids within the cavity for ease of extraction.

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## Turning-Handle:

The turning handle is designed to clamp to the Air Gun to aid ease of use and work the failed insulation in the direction you desire.



## 100mm Hose:

The entire CLC System has been designed and developed using 100mm Hose. Suggested length - 10m



## Your Company Logo:

We can add your company logo to the side panels of the machine you purchase to personalize and advertise your company.

## Online Purchases:

Through our online shop 'i2U Supply', you can purchase all associated products such as Drill Bits, Drills, Branded Uniforms, Hosing/Ducting, PPE, Sealants, Mortar Tones, Boroscopes and much more:

<http://www.i2usupply.co.uk>

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## Technical Data

Description	CLC 200	CLC TA
Motor	Honda GX200 4.1 kw/ 5.6 PS	N/A
Working Width (mm)	621mm	621mm
Collection Unit (L) (mm)	N/A	1177mm
Dimensions: LxWxH (mm)	900 x 621 x 656	1177 x 621 x 605
Parking Brake	Yes	Yes
Start	Starter Cord	N/A
Tank Capacity	3.1l	N/A
Fuel	Unleaded Petrol	N/A
Fuel Consumption (at 3600 rpm)	1.5l	N/A
Weight (kg)	41kg	19kg
Hand-Arm Vibration	<2.5 m/s <sup>2</sup>	N/A
Guaranteed acoustic power level	92.6 db.	N/A
Sound pressure level at operator ear	75.0 db.	N/A
Collection Bag Type	CLC TA	Plastic
Responsibility limits for components motor	Honda	
Prescribed ambient conditions	For motor restrictions, refer to Honda Operation Manual	
Year of Construction	See Technical Data Plate on Machine	
Application Area	Normal use in facilities and construction sites	
Technical modifications reserved.		

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