



HYDROGEN CYCLONE 200

FOR USE IN HYDROGEN PLANTS

The world's leading producer of sustainable fuels asked Quill Falcon to assist them in their ongoing maintenance work around their Hydrogen plant.

The Quill Falcon Cyclone with its ATEX Gas Group IIB approval was accepted for use during shut down of the plant. The customer however did not want to shut the plant down due to the costs and time involved. In the summer of 2024 Quill Falcon successfully achieved ATEX Gas Group IIC approval - equipment for use in atmospheres containing acetylene or hydrogen, or gases and vapours of equivalent hazard - (CE EX II 2G EXh IIC T4 Gb) and now supply the Quill Falcon Hydrogen Cyclone for use within live hydrogen plants.

The Quill Falcon Hydrogen Cyclone 200 is the most powerful of the Quill Falcon Systems due to its size and ability to be used with up to a 600cfm compressor making for effortless blasting in demanding conditions. The extra-large 230 litre vessel capacity means the Quill Falcon Hydrogen Cyclone 200 can hold more blasting media which therefore allows a longer amount of time between refills making the system ideally suited for blasting large areas on big projects.



DIMENSIONS

| | |
|-----------------|----------------|
| Capacity: | 230 litres |
| Height: | 1280mm |
| Width: | 670mm |
| Depth: | 1020mm |
| Unladen Weight: | 209kg |
| Laden Weight: | 584kg (garnet) |

BLAST MEDIA

Number of 25kg bags to fill vessel

| | |
|----------------|---------|
| Garnet: | 15 bags |
| Iron Silicate: | 11 bags |
| Glass: | 9 bags |

SPECIFICATIONS

| | |
|------------------------|-------------------------------|
| Water Pressure & Flow: | Standard tap pressure & flow |
| Water Consumption: | 150 - 250ml per minute |
| Grit Type: | Standard particle blast media |
| Grit Consumption: | 0.3 - 0.8 kg per minute |
| Grit Refill: | Up to 18 hrs between refills |
| Air Supply: | 250 - 400cfm |
| Air Supply Hose: | ¾ or 2inch |
| Blast Hose Size: | 1 inch or 1¼ inch |
| Blast Hose Max Length: | up to 250m |
| Blasting Pressure: | 20 - 120psi |

Weights and dimensions are based on current models in manufacture. Consumption rates based on average dosing settings. Water consumption taken from water used at nozzle. Up to 1 litre of water per minute will be required to keep vessel pressurised. Grit and water consumption may vary according to size of compressor, dosing valve setting, size of nozzle and type of blast media used.

For more information please call +44 (0) 1332 864664 or email sales@quillinternational.com

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