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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