

Series HC

HC Vehicle Wash Water Recycling System

Benefits

- Can permit washing during water shortages
- Reduces water costs
- Reduces pollution and water consumption - saving the environment
- SPOTLESS rinse system option reduces spotting and streaking by 99% compared with mains water washing (optional extra). Improves your company's image
- Water storage tanks included
- Will operate on 20 mm water supply, no need for expensive 50 mm water supply
- Nationwide service available seven days a week
- British made

The HC system is designed to recycle the water from commercial washes of either roll-over or drive through type.

In addition to providing excellent water quality results within the standard operation, the HC range can also be specified with the RO spot free rinse to eliminate the white spotting and streaking that can appear especially on windows, particularly in reference to bus and coach washing.

Specific Model Selection

The particular reclaim unit needed is specified according to the water usage of the wash machine in gallons or litres per minute i.e. a rollover wash machine using a total of 32 gpm would need a HC 35 to match this usage. If a drive through wash is used with 45 gpm consumption on the wash machine with 32 gpm consumption on the rinse cycle then a HC 50/35 would be specified. If a partial reclaim system is required then the consumption of the wash cycle only needs to be taken into account. The figure after the HC designation reflects the through put of the recycling system in gallons per minute which must match or exceed the throughput of the wash machine.

Construction

Fabrication is in stainless steel grade 304D. Skid mounted with base plates to form a compact unit of either open construction or can be supplied fully enclosed with doors.

Advantages

In some parts of the country, the water authorities are having to restrict water use, either by refusing to supply water for vehicle washing or to increase the size of the mains supply. Water companies and environmental agencies are becoming particularly concerned with the quality of the effluent discharge and placing stricter control and discharge limits. In certain circumstances, where consent is not given, a water recycling system can permit the installation of vehicle wash installations as all the water is recycled.

Operation

Water used during the vehicle washing and rinsing cycles collects

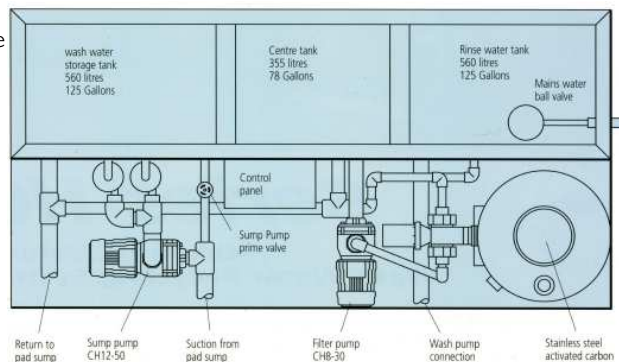
in the below ground collection tank CT or ST range. Larger particles of sediment, together with normal amounts of oil or diesel washed from the vehicle and floating debris is held in the collection tank. Water is drawn from the third chamber of the collection tank and passed to the hydrocyclones which separates particles larger than 20 microns and rejects them with a small quantity of water back to the collection tank. The cleaned water in the above ground unit (HC) is then passed through the activated carbon filter which removes the detergent. The water is then drawn from the HC unit by the wash machine pump. Please note that detergents should be of a non-ionic or anionic type and having a neutral pH at working solution strengths. If the RO spot free rinse is specified the RO water is supplied direct to two nozzles mounted on the wash bay screens or can be supplied through the wash machine itself

Service

Nationwide service is available seven days a week. HC capacities can be specified to match larger more powerful wash machines of any type including partial reclaim applications.



Model No.	Flow rate		O/A dims mm	Working cap		Weight empty kg	Weight full kg	Suction Line Length
	LPM	GPM		litre	gals			
HC 35	160	35	2400 x 1200 x 1500	1475	328	700	2500	20m
HC 50	230	50	2400 x 1200 x 1500	1475	328	800	2600	30m
HC 75	345	75	3600 x 1200 x 1500	2200	492	1200	3900	30m



Plan view of HC reclaim system Covers omitted for clarity
2400 mm x 1200 mm x 1500 mm high (plus 800 mm for carbon removal)




**CALL FREE ON
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to arrange a visit to our
working showroom
& demo area**

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