

Scalebreaker C90 | For the removal of limescale, rust and corrosion from heating and cooling circuits

Built to handle the strongest descaling chemicals



Scalebreaker C90 FWF
(with fresh water flush option*)

Scalebreaker C90 FWF
rear view

Scalebreaker C90
Standard model

Flow reversal makes cleaning
faster & more efficient

Applications include:

- Domestic & industrial boilers.
- Water heaters.
- Steam generators
- Condensers.
- Fan coil units and pipework.
- Cooling coils.
- Water cooled rollers.
- Plate & shell type heat exchangers.
- Mould tools.
- Extruder barrels.
- Oil coolers.

* The advantages of FWF models:

FWF models include valves, hoses and connections to enable them to pump used chemicals to waste, whilst at the same time flushing cleaned equipment with fresh, clean, water.

The advantages of flow reversal when chemical cleaning:



The descaling process may generate gas/foam which can impede the cleaning process. Reversing the direction of flow allows gas/foam to discharge safely through the tank, unlocking the system and speeding up the descaling process. Flow reversal often enables previously blocked tubes and heat exchangers to be successfully cleaned.

Hoses supplied with FWF model:



- 2 x 3m flow & return hoses
- 1 x 3m discharge hose
- 1 x 3m water inlet hose (yellow)

Scalebreaker models feature:

Integral pump and chemical holding tank for portability and safety.	FWF (fresh water flush) option*	Integral flow reverser for faster and more effective descaling.
For use with acidic and alkaline cleaning chemicals.	No seals to leak; maintenance free.	Run dry capability.
Kamco Support technical expertise; help-line and spares service.	BUILT IN BRITAIN 	 Full range of Kamco Descaling Chemicals

Scalebreaker C90 technical data

MODEL	TANK CAPACITY (litres)	KW	VOLTAGE FREQUENCY OPTIONS	MAX. OUTPUT (l/min)	MAX HEAD (m)	WEIGHT (kg) inc. hoses	WIDTH DEPTH HEIGHT (cm)	FLOW & RETURN HOSES	HOSE END FITTINGS (BSP)
C90 (FWF & Standard)	57	1.1	230v, 50Hz 110v, 50Hz 115v, 60Hz 240v, 60Hz	<150	24	FWF 25.9 Standard 24.9	59 x 39 x 89	2 x 3m, 19mm re-inforced clear PVC.	3/4" x 19mm hose couplings.

Scalebreaker C90: Materials of construction:

Motor support flange and body, flow reverser, volute and impeller	Fibre reinforced polypropylene
Impeller housing cover	polyphenylamine sulphide engineering plastic
Drive shaft	Steel, sleeved in polypropylene
Tank	HD polyethylene, enabling liquid level to be visually monitored
Hoses	Nylon re-inforced transparent PVC

Scalebreaker C90: General information

Operational and temperature capabilities	Run dry capability; but liquid temperature should not exceed 70°C.
Electric motor	Totally enclosed fan-cooled, with IP54 protection. Continuously rated, with plastic membrane covered switch with warning light.
Portability and handling	Integral handle moulded into tank; low weight with good stability.
Flow reversal device	Instantaneous manually operated flow reversal valve to reduce cleaning time.
Chemical handling capability	Acid-proof construction. May be used with all acids in common descaling use: hydrochloric, phosphoric, sulphamic, citric, formic, acetic etc. May also be used with alkalis, and chlorine solutions as used for sterilisation purposes. For compatibility with other all chemicals, please check with Kamco.