

LOOP CLEANING AND FILL

Flushing & Refill Cart

Safe and efficient liquid handling

A purpose-built stainless steel liquid management system for filling, draining and flushing water and glycol cooling circuits during data centre commissioning and maintenance. Controlled transfer of cooling fluids, integrated flushing for system cleaning, and safe refill of the 500kW liquid cooled load banks.

250L
Tank capacity, 316 stainless steel

2
Pumps, circulation and fill

5 + 5
1.5 in inlet and outlet ports

25µm
Cleanable strainer

KEY FEATURES

- Robust stainless steel construction: 304-grade frame, 316-grade tank
- Dual-pump configuration: high-volume circulation pump and a dedicated fill pump with wand
- Flexible pipework: manifold with 5 inlet and 5 outlet ports
- Quick deployment with FD83 connectors, Tri-clamp hoses and UQD drain and fill points
- High capacity 250L tank with vacuum relief, auto air vent and sight glass
- Integrated control panel with push switches, alarm lamps and interlocks
- Four swivel lockable castors and anti-vibration pipe supports

APPLICATION IN DATA CENTRES

- Commissioning and flushing of water-cooled load banks
- Temporary or permanent cooling liquid distribution
- Controlled filling and draining of chilled water loops
- System cleaning prior to commissioning

SAFETY COMPLIANCE

- Tank level interlocks, high and low alarms
- Anti-vibration pipe clips for stability
- Emergency relief valve and auto air vent
- CE certified components, compliant with commissioning safety standards

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TECHNICAL SPECIFICATION

Overall dimensions	1380 mm (L) × 650 mm (W) × 1250 mm (H)
Frame	40 × 40 × 2 mm SHS, 304 stainless steel
Handle rail	1.5 in stainless tube
Tank capacity	250L, 316 stainless steel, 2 mm wall
Tank fittings	2 level sensors, 3 in filling cap, vacuum valve, auto air vent, level sight glass
Pipework	2 in manifold, 5 × 1.5 in inlet and 5 × 1.5 in outlet with CSE sight glasses, 25 µm cleanable strainer
Drain and fill ports	2 × ½ in UQD connections
Electrical	400 VAC / 50 Hz, UK specification
Pumps	1 circulation and flushing pump (high volume), 1 fill pump with wand
Control panel	Pump on/off switches, high and low level alarms, 5 m 400 VAC 50 Hz power lead
Mobility	4 swivel lockable castors
Weight	Empty 135 kg, full 385 kg

OPTIONS

- 10 × FD83 connectors, Tri-clamp
- 10 × peroxide-cured 3 m hoses

CERTIFICATIONS

CE

Interlocks, alarms and CE-certified components throughout, to data centre commissioning safety standards.