

66 m³/h Mobile Flushing Rig

High-Flow Pipe Flushing and Filtration
for Liquid-Cooling System Commissioning

Purpose-Built for System Flushing

The Nexatherm 66 m³/h Mobile Flushing Rig provides **controlled, high-flow circulation for cleaning liquid-cooling piping** before the system is filled with operating coolant. Variable-frequency pump control, integrated flow and pressure monitoring, and inline filtration help remove installation debris and verify loop conditions during commissioning.



66 m³/h Rated Flow

High-flow circulation for liquid-cooling piping systems



3.5 bar External Pressure

Supports flushing through installed piping networks



Variable-Frequency Control

Adjusts pump output to match system operating conditions



Flow & Pressure Monitoring

Tracks flushing conditions throughout operation



Inline Filtration

Captures debris circulated from newly installed piping



Mobile Deployment

Casters support movement between systems & test locations



Key Specifications

Rated Flow	66 m ³ /h / 291 gpm
External Pressure	3.5 bar / 51 psi
Rated Voltage	380–415 VAC
Frequency	50 Hz
Connections	DN100 flanged
Design Pressure	8.0 bar / 116 psi
Pump Control	Variable-frequency drive

Typical Applications

- ◆ Liquid-cooling commissioning
- ◆ Pre-fill piping-system flushing
- ◆ CDU & loop preparation
- ◆ Installation-debris removal
- ◆ Flow & pressure verification
- ◆ Facility expansions & retrofits
- ◆ Maintenance flushing
- ◆ Data center loop preparation



Prepare the Loop

Remove installation debris before operating coolant is introduced.



Verify System Conditions

Monitor flow & pressure throughout the flushing process.



Protect Cooling Equipment

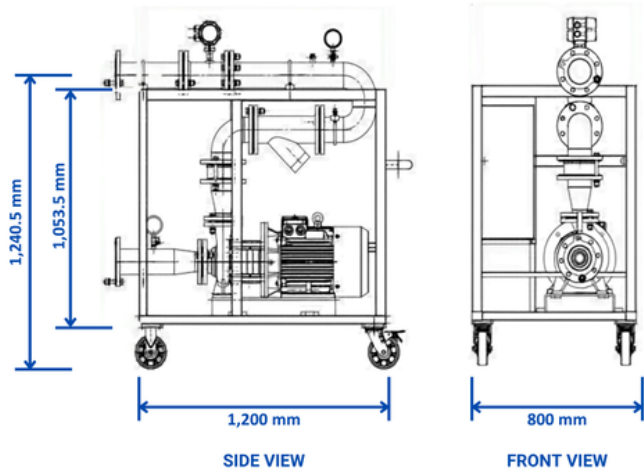
Reduce the risk of contaminants reaching CDUs & connected equipment.

66 m³/h Mobile Flushing Rig

TECHNICAL SPECIFICATIONS

System Overview

The Mobile Flushing Rig combines a variable-frequency circulation pump, inline filtration, flow measurement, pressure monitoring, and local controls on a portable frame. The system is designed to circulate flushing fluid through newly installed or serviced liquid-cooling piping before final coolant fill and equipment startup.



System Configuration

System Type	Mobile pipe-flushing and filtration system
Rated Flow	66 m³/h / 291 gpm
External Pressure	3.5 bar / 51 psi
Design Pressure	0.8 MPa / 8.0 bar / 116 psi
Pump Configuration	Single circulation pump
Installation	Mobile open-frame unit

Physical Specifications

Overall Dimensions	≤800 × 1,400 × 1,560 mm (≤31.50 × 55.12 × 61.42 in.)
Ambient Temperature	0–50°C (32–122°F)
Relative Humidity	5–95%, non-condensing
Maximum Altitude	1,500 m (4,921 ft)

Controls & Monitoring

Control Interface	Local VFD operator panel
Monitoring	Flow and pressure
Flow Measurement	Integrated flow transmitter
Pressure Monitoring	Inlet and outlet instrumentation
Status Indicators	Run and fault
Local Controls	Start and stop

Electrical

Rated Voltage	380–415 VAC
Frequency	50 Hz
Motor Control	Variable-frequency drive

Fluid System

Connection Size	DN100 flanged
Flange Standard	EN 1092-2
Filtration	Inline Y-strainer

Standard Features

- Variable-frequency pump control
- Local start and stop controls
- Integrated flow monitoring
- Run and fault indicators
- Inlet and outlet pressure monitoring
- Lockable electrical enclosure
- Inline filtration
- Mobile frame with casters