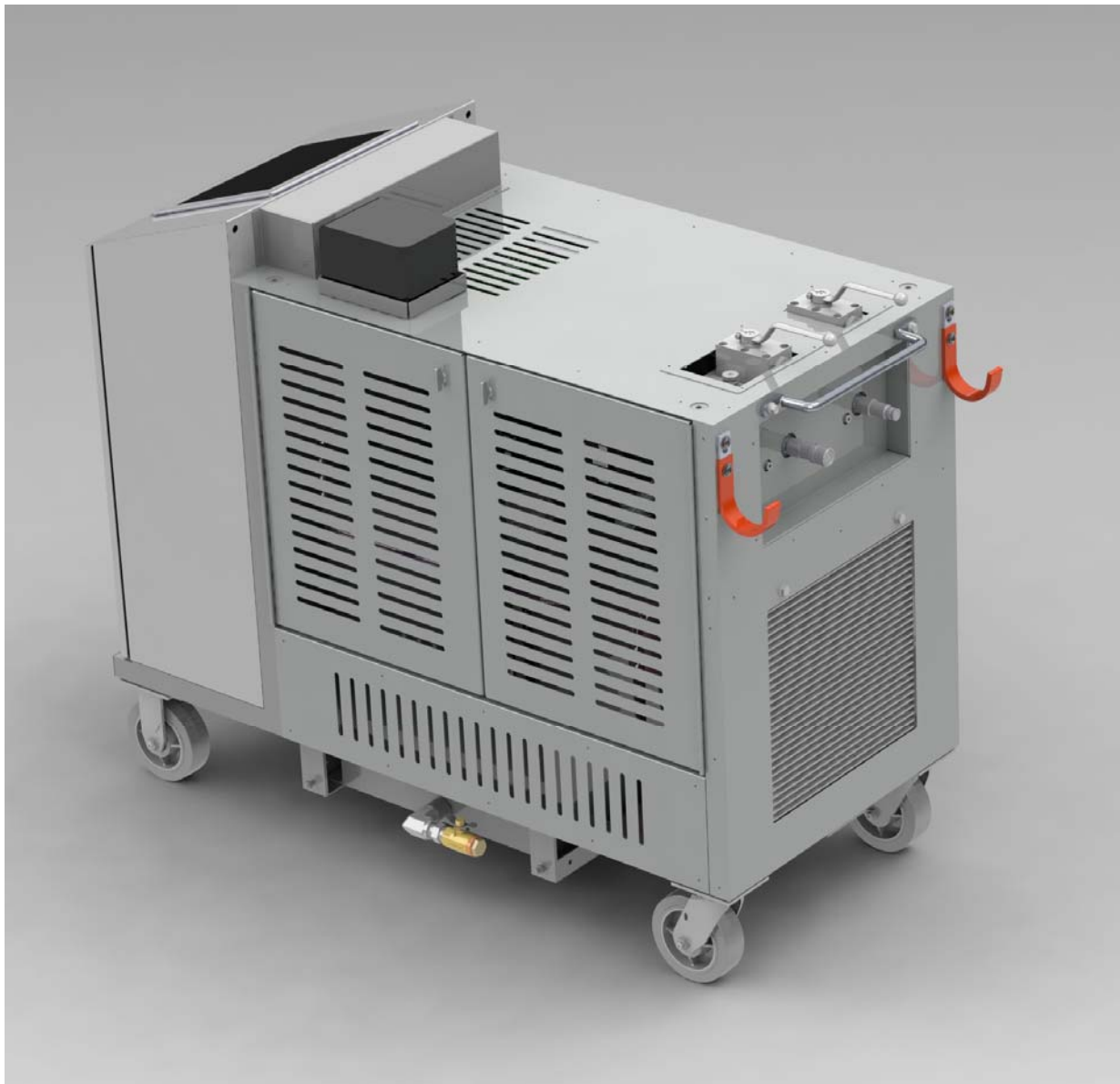


PORTABLE FLUSHING UNIT



Gen. 3

SPECIFICATIONS

Fluid System:

Oil Capacity	25 US Gallon
Flushing Flow	7 USGPM
Flushing Pressure (Max)	1500 PSI
Static Test Flow	4 USGPM Approx.
Static Test Pressure (Max)	3000 PSI
Filtration	Dual 5µm and 3µm inline pressure and 5µm return filtration Beta 1000 (99.9% Eff.)

Electrical:

Motor HP	10 HP
3 Phase Voltages available	208-230/460-480VAC 60Hz 575V 60Hz 190-380V 50Hz (Single Phase is not available)

Control:

Machine controller	Micro PLC
User interface	15" HMI touch panel
Motor Speed (Flow) Control	VFD with analog speed control via HMI
Proportional Pressure	4-20mA, PWM control

Feedback:

Pressure	Analog
Flow	Analog
Level	Analog with low level switch point alarm
Temperature	Analog with high temp shutdown
Contamination sensor	Optical particle counter with analog output

General:

Printer	Dedicated on board 2" thermal receipt printer.
Mobility	2x fixed casters and 2x swivel casters with pull handle and foot brake
Dimensions LxWxH (mm)	1350 x 650 x 1000
Weight	TBD
Colours	RAL 7042 Light Grey (Standard for flushing units) RAL 1023 Safety Yellow (available option)

FEATURES

User Interface:

- Customizable
- Operator data entry screen to accept information on the unit being tested such as
 - o Operator name
 - o Car number
 - o Date
 - o Test pressure
 - o Pressure test duration
 - o % pressure deviation from target pressure for pass/fail
 - o NAS or ISO cleanliness target
- Continuous monitoring via on screen meters for:
 - o Pressure
 - o Flow
 - o Temperature
 - o Flushing unit fluid level

Flushing Unit Features:

- Manual or Automated flushing
 - o Auto mode will flush, verify cleanliness with 3 pass accuracy and print a report all without additional operator input
 - o Manual mode allows flushing and individual particle counts at user's request
- Pressure test mode
 - o Automated pressure test mode will take the user input for target pressure, test duration and % deviation and perform the pressure test function without user monitoring or recording of data required.
 - o Once complete the unit will generate a report with all relevant test data.
- Low pressure fill option
 - o All Gen 3 HMI flushing carts are able to provide low flow and very low pressure (<20psi) for filling of car HPU with ultra-clean oil directly from the flushing unit.
 - o This ensures the car HPU is always filled with high purity fluid with no chance of external contamination due to manual filling apparatus.
 - o Fill mode is selectable via the touch screen and will reduce the unit flow to approx. 1gpm and limit pressure to <20psi.



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