Pall Corporation

New: PCCL Series Component Cleanliness Cabinet

The PCCL Cleanliness Cabinet is the latest self-contained unit from Pall, delivering the best practices in extracting particulate contamination from a component and retaining it on a test membrane for analysis.

Without standard, repeatable cleanliness validation, manufacturers and suppliers cannot meet Industrial ISO standards

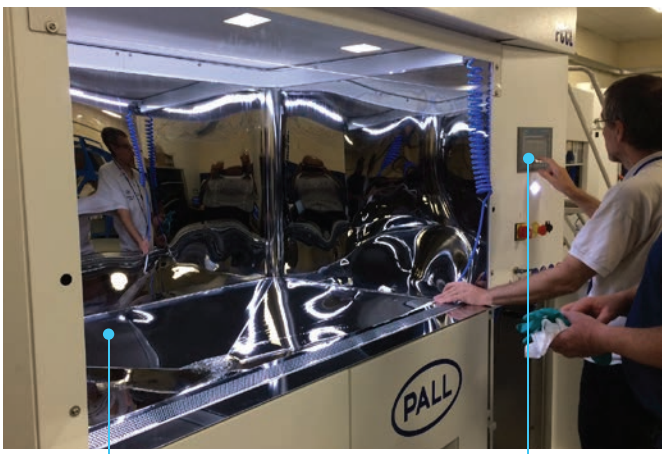
- Provides a more automated, repeatable process for checking parts cleanliness
- Rapid to blank value* to start test sampling in much less time (up to 50% quicker)
- Less human errors involved
- A fully HEPA filtered laminar air flow eliminates environmental cross contamination
- Test sample created is true representation of part contamination
- Available in standard lab friendly or larger shopfloor sized units to assess small to oversized components in accordance to ISO 18413, ISO16232 and VDA 19 procedures.

**relative value of cleanliness achieved over time, as specified by the customer*

Pall PCCL

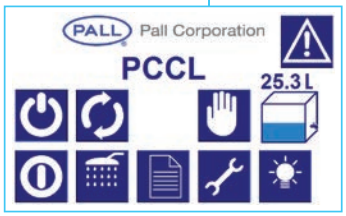
Features

- Laminar air flow with 0.3 µm HEPA filter providing a controlled cleanliness environment (Class 5 per ISO 14644-1)
- Fast, efficient, automatic wall washing system
- Easy to use, color touch screen human-machine interface
- Full work area access for service operation
- Pressurized solvent dispensing and recycling circuits
- Able to perform system simulation tests
- Solvent vapor extracted by exhaust fan
- Requires only a power source and exhaust vent



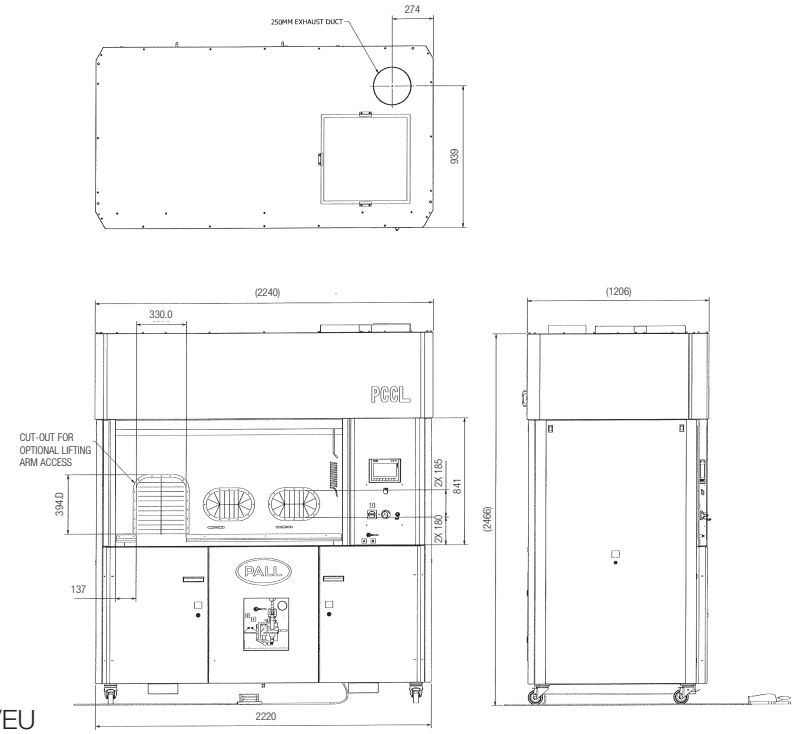
Super mirror finish stainless steel extraction enclosure (Ra = 0.02 µm max)

User friendly, color touch screen control panel



Technical information

Overall Dimensions:	2240 x 1206 x 2466 mm
(W x D x H)	(88.2 x 47.5 x 97.1 inch)
Working area:	1500 x 991 x 858 mm
(W x D x H)	(50.1 x 39 x 33.8 inch)
Weight:	725 kg (1598 lb)
Materials:	Enclosure: Super mirror finish 304 L
Frame:	See option
Power supply: (see options)	110 V / 230 V - 50/60 Hz, single phase
PLC:	Siemens
Power consumption:	1.65 kW
Reservoir (solvent):	50 L max
Wall flushing flow rate:	13 L/min max.
Nozzle pen flow rate:	5 L/min min. (1.32 USgpm) max
Rinsing pressure:	4.5 bar max (58 psi)



The PCCL series cabinets comply with the European Machinery Directive 2006/42/EC, Low voltage 2014/35/EU and Electromagnetic compatibility 2014/30/EU and is fully CE compliant.

Ordering information

Pall Cleanliness Cabinet PCCL 1 2 3

Table 1: Voltage option

Code	Description
1	110V @ 50/60 Hz, 1 Phase
2	230V @ 50/60 Hz, 1 Phase

Table 2: Membrane option

Code	Description
S	Single stage membrane holder
M	Multi-stage membrane holder

Table 3: Sliding door

Code	Description
C	Fixed Door (Cover)
S	Sliding Door

Accessories

Code	Description
GHA0787OEM	Cascade of 3 membranes
PCCLV2-LB	2 electro polished stainless steel folded bar ø20mm
PCCV2-FILLUP	Fillup kit assembly
PCCLV2-LG	Electro polished stainless steel grid 510 x 620mm cross rod ø3 & 6mm – load TBA kg MAX
PCCLV2-LGR	Electro polished stainless steel grid 500 x 630mm cross rod ø4 & 10mm – load TBA kg MAX
PCCLV2-LBMH	Polished bowl with integrated membrane holder for PCCL
PCCLV2-LPFC	Ducted pre filter housing
PCCLV2A31	Sliding door (available as an accessory when sliding door is not factory fitted)

Analysis Membranes for Component Cleanliness Assessments

- Ratings from 5 µm to 100 µm
- Materials: Polyamide

see product datasheet M&EPCCMEMENa

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M&EPCCLENa Produced in the UK August 2018