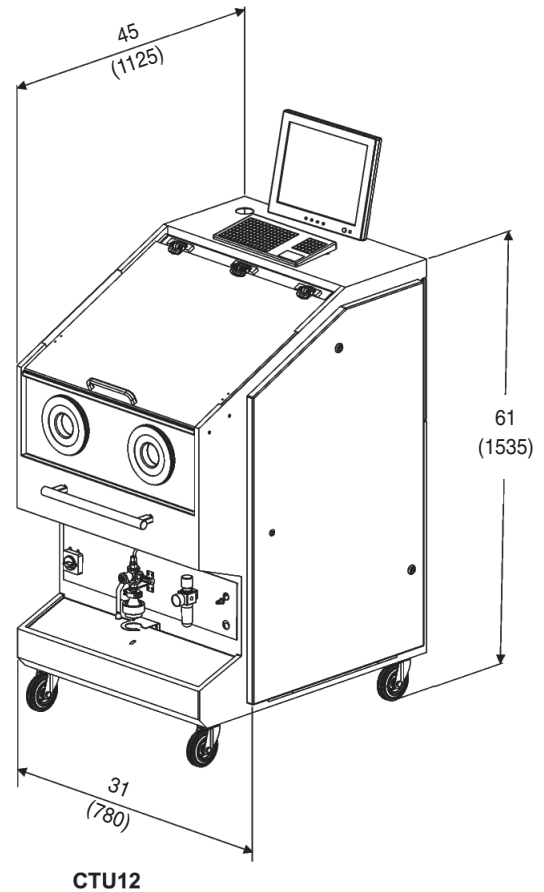
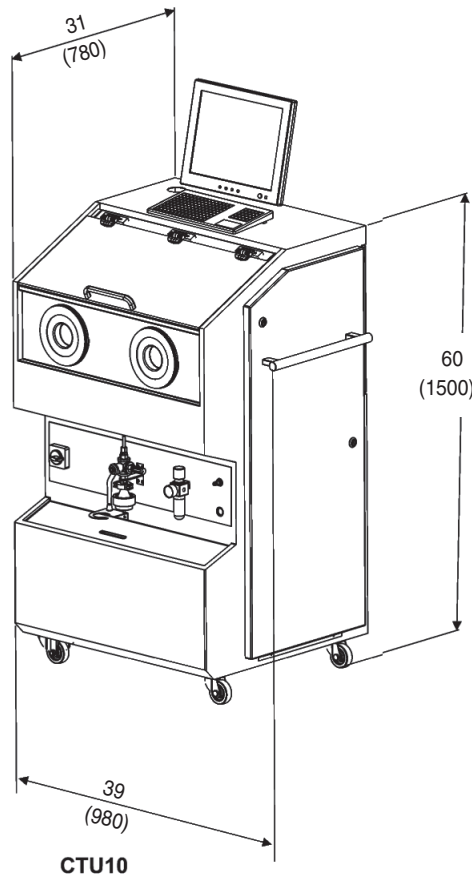


TestMate® Series

CTU TestMate® Contamination Test Unit



Metric dimensions in ().

Description

The CTU-1000 is ideal for determining component cleanliness of small hydraulic components. For example: hoses, CAM shafts, hydraulic manifolds, etc.

Determining the type, size, and quantity of contaminants is useful for verifying quality standards and system optimization.

Features

- Cost reduction through lower production failure rates
- Identification and elimination of weak process steps
- Optimization of both internal and external handling processes
- Establishing of cleanliness standards, both internal and external
- Documentation of component cleanliness
- Survey of fluid cleanliness and filtration concepts

Applications

- Automotive suppliers
- Gear box builders
- Engine builders
- Suppliers of hydraulic and lubrication components

Specifications

| | | |
|---|--|--|
| Overall Dimensions (H x W x L): | | CTU10 71 in x 39 in x 35 in (1800 mm x 1000 mm x 900 mm) CTU12 71 in x 39 in x 43 in (1800 mm x 1000 mm x 1100 mm) |
| Weight: | | CTU10 = 595 lb (270 kg) 639 lb (290 kg) with ultrasonic CTU12 = 683 lb (310 kg) |
| Mounting: | | Mobile (mounted on casters) |
| Power Consumption: | | 600 W (800 W with ultrasonic) |
| Ambient Temperature: | | 59°F to 82°F (15°C to 28°C) |
| Cleanroom module | Material of Cleanroom: | Polished stainless steel |
| | Filling with Analysis Fluid: | Via analysis cabinet |
| Control: | | PC-controlled with user-friendly software, rinse options and rinsing volume programmable |
| Reservoir and filtration module | Membrane Holder: | 47 mm to 50 mm filter membranes |
| | Vacuum Strainer: | For quicker filtration of the analysis fluid |
| | Diffuser: | Distribution of analysis fluid on the membrane |
| | Operating Pressure: | 11.6 to 87 psi (- 0.8 to 6 bar) |
| | Analysis Fluid Reservoir: | 2x 5.3 gal (20 l) (1x reservoir, 1x suction reservoir) |
| | Reservoir Change-over: | Automatic |
| | Filtration of Analysis Fluid: | Fine filtration according ISO 4406 min. ISO 12/9 |
| | Filter Clogging Indicator: | 14.5 psi (1 bar) pressure setting |
| | Filter Size, Filtration Rating: | 2x LF BN/HC 60, 3 µm (1xx0 series) |
| | Integrated Drip Tray: | 6.6 gal (25 litre) with drainage |
| Services to be provided by operator* | Compressed Air: | Filtered (min. 5 µm) and dry compressed air, max. 87 psi (6 bar) Air flow rate: 2.12 cfm, Supply connection: DN 7.2 |
| | Power Supply: | According to order |

*Not supplied

| Maximum Particle Size µm | Time and Effort | Cleaning Time after a short standstill period (≥ 24 hours) | Cleaning Time after a long standstill period (> 24 hours) |
|--------------------------|-----------------|--|---|
| 100* | high | 1.5 to 4 hours | 3 to 5 hours |
| 150* | medium | 1 to 2 hours | 2 to 4 hours |
| 250* | low | 0.5 to 1.5 hours | 1 to 3 hours |

*With maximum membrane load of 0.8 mg.

How to Build a Valid Model Number for a Schroeder CTU:

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 |
| CTU | 1 | | | | | |

Example: NOTE: One option per box

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 |
| CTU | 1 | 2 | 1 | K | Z | Z |

| | | | |
|---|--|--|---|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 |
| Model | Series | Installation Size - Dimensions Analysis Room | Analysis Fluid |
| CTU | 1 = Analysis Room | 0 = 11.81 x 31.50 x 15.75 in (300 x 800 x 400 mm) 2 = 21.65 x 31.50 x 25.59 in (550 x 800 x 650 mm) | 0 = Solvent A III Class (Flashpoint >60°C, lower explosions limit >0.6% Vol.) 1 = Water with tenside, lower admissible ph-range 6-10, no deionized/demineralized water |
| BOX 5 | BOX 6 | BOX 7 | |
| Supply Voltage | Extraction Process | Supplementary Details | |
| K = 120 VAC/60Hz/ 1 Phase M = 230 VA C/50Hz/ 1 Phase | Z = Rinsing (middle pressure) U = Rinsing (middle pressure) additionally ultrasonic | Z = Series R = external rinsing connection .24 in (6 mm), between hand contact | |

Scope of Delivery: CTU1000 15" TFT Monitor; Keyboard with Touch Pad; Foot Switch

Accessories: Contact Factory

This information relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department. Subject to technical modifications.

- TCM
- TCM-FC
- TSU
- TMU
- TPM
- TIM
- TMS
- CTU**
- TWS-C
- ET-100-6
- HMG 3000
- EPK
- HTB
- GS
- Trouble Check Plus
- Test Points
- Adapters
- Hose Joiners
- Microflex Hose
- Pressure Limiters
- Pressure Gauges
- Test Kits
- Probalizer
- Filtration Station
- MFS, MFD
- AMS, AMD
- KLS, KLD
- AKS, AKD
- KLC
- X Series
- MTS
- HFS
- SVD
- TDS-A
- TDS-E
- IXU
- Appendix

Model Number Selection