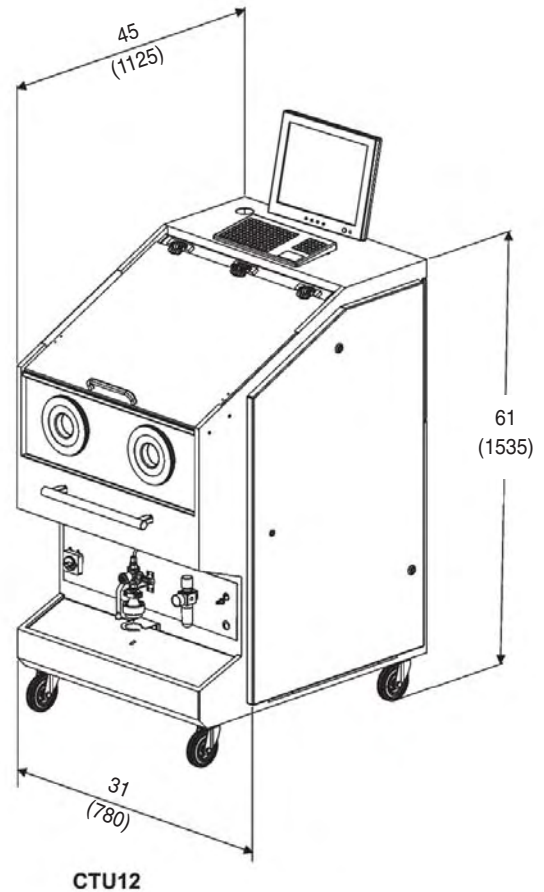
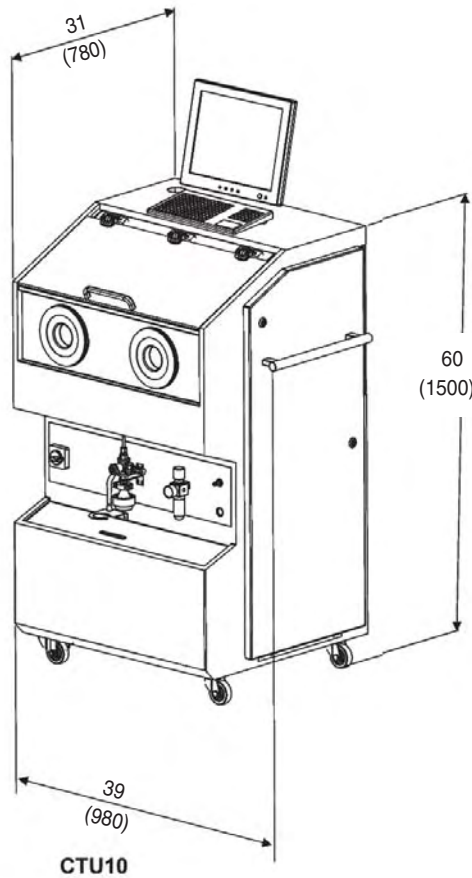


# TestMate® Series

## 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

<b>Overall Dimensions (H x W x L):</b>		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)
<b>Weight:</b>		CTU10 = 595 lb (270 kg) 639 lb (290 kg) with ultrasonic CTU12 = 683 lb (310 kg)
<b>Mounting:</b>		Mobile (mounted on casters)
<b>Power Consumption:</b>		600 W (800 W with ultrasonic)
<b>Ambient Temperature:</b>		59°F to 82°F (15°C to 28°C)
<b>Cleanroom module</b>	<b>Material of Cleanroom:</b>	Polished stainless steel
	<b>Filling with Analysis Fluid:</b>	Via analysis cabinet
<b>Control:</b>		PC-controlled with user-friendly software, rinse options and rinsing volume programmable
<b>Reservoir and filtration module</b>	<b>Membrane Holder:</b>	47 mm to 50 mm filter membranes
	<b>Vacuum Strainer:</b>	For quicker filtration of the analysis fluid
	<b>Diffuser:</b>	Distribution of analysis fluid on the membrane
	<b>Operating Pressure:</b>	11.6 to 87 psi (- 0.8 to 6 bar)
	<b>Analysis Fluid Reservoir:</b>	2x 5.3 gal (20 l) (1x reservoir, 1x suction reservoir)
	<b>Reservoir Change-over:</b>	Automatic
	<b>Filtration of Analysis Fluid:</b>	Fine filtration according ISO 4406 min. ISO 12/9
	<b>Filter Clogging Indicator:</b>	14.5 psi (1 bar) pressure setting
	<b>Filter Size, Filtration Rating:</b>	2x LF BN/HC 60, 3 µm (1x0 series)
	<b>Integrated Drip Tray:</b>	6.6 gal (25 litre) with drainage
<b>Services to be provided by operator*</b>	<b>Compressed Air:</b>	Filtered (min. 5 µm) and dry compressed air, max. 87 psi (6 bar) Air flow rate: 2.12 cfm, Supply connection: DN 7.2
	<b>Power Supply:</b>	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
- TMU
- TPM
- TIM
- CTU**
- TWS-C
- ET-100-6
- HMG 3000
- EWC
- 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
- IXU
- Appendix

## Model Number Selection