

Contamination Test Module - Supply & Control

CTU-SC



Features and Benefits

- Reduction in costs as a result of fewer production failures
- Identification and elimination of weak process steps
- Reduction in start-up breakdowns
- Optimization of internal and external processes
- Documentation of the technical cleanliness of components

Applications

- Automotive and supplier industry
- Gear and engine builders
- Mobile hydraulics
- Production of hydraulic / lubrication system components
- Aircraft industry

The Contamination Test Module CTM is a modular system designed to analyze the technical cleanliness of components. Solid contamination is washed off the surface of the component, samples are taken from the fluid and are subsequently analyzed using membranes.

The Contamination Test Module CTM-SC is the central module of the CTM series. It serves as the fluid supply and the control of the entire extraction processes and contains the graphical user interface.

Description

Overall Dimensions: <i>(height x width x length)</i>	5.9'x2.5'x2.6' (1.8m x 0.9m x 0.8m)
Housing Material:	S235JR powder-coated
Coupling Connection:	CPC coupling
Ambient Temperature:	59° to 82°F (15° to 28°C)
Weight:	≈ 551 lbs (250 kg) (empty)
Reservoir, Test Fluid:	2 x 5.3 gal (20 l) <i>(1 x reservoir, 1 x collection tank)</i>
Reservoir Switch-Over:	Automatic
Filtration of Analysis Fluid:	Fine filtration to ISO4406 min. 12/9
Filter Size:	2x MRF-1-E/1, 1 µm
Drip Tray, Integral:	6.6 gal (25 l) with drain
Compressed Air Supply:	Nipple DN 7.2
Compressed air supply <i>(provided by customer)</i>	Maximum 87 psi (6 bar), Air flow rate: 15.9 gpm (60 lpm) Dry and pre-filtered to 5 µm

Electrical Data

Supply Voltage:	According to order
Power Consumption:	600 Watt; 800 Watt with ultrasound
Protection Class to DIN 40050:	IP 54

Specifications

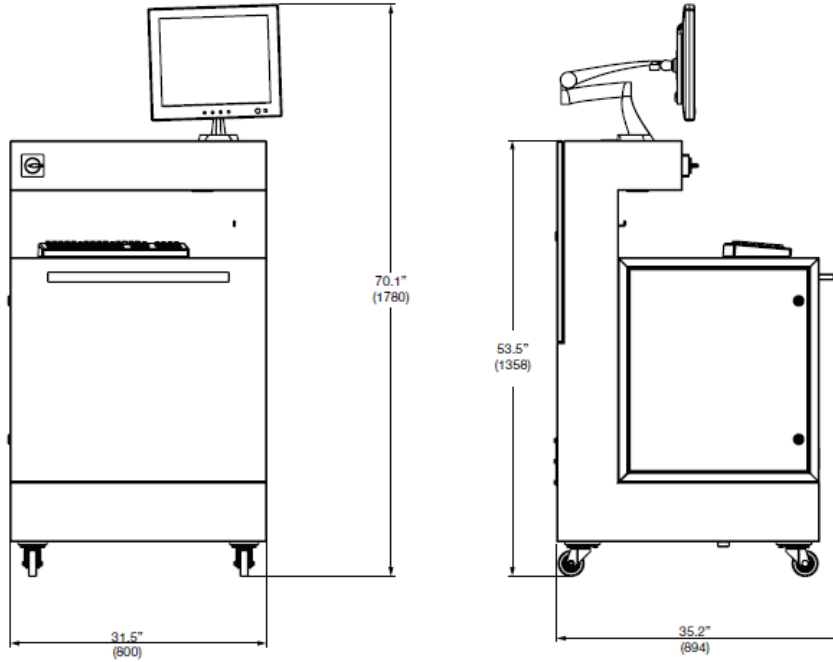
- TCM
- TCM-FC
- CSI-C-11
- HY-TRAX®
- RBSA
- TIM
- TSU
- TMU
- FCU 1000 Series
- TPM
- TMS
- TWS-C/D
- SMU
- CTU**
- EPK
- Trouble Check Plus
- HMG2500
- HMG4000
- ET-100-6
- HTB
- RFSA
- HFS-BC
- MFD-BC
- MFS, MFD
- HY-TRAX® Retrofit System
- MFD-MV
- MFS-HV
- AMS, AMD
- FS
- AMFS
- KLS, KLD
- MCO
- AKS, AKD
- LSN, LSA, LSW
- X Series
- KLC
- MTS
- OLF-P
- NxTM
- IXU
- Triton-A
- Triton-E
- SVD01
- SVD
- OXS
- Appendix

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Dimensions

Dimensions are inches (mm) and for general information only, all critical dimensions should be verified by requesting a certified print.



Model Number Selection

How to Build a Valid Model Number for a Schroeder CTM-SC:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
CTM				

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
CTM	SC	100	0	M

= CTMSC1000-M

BOX 1	BOX 2	BOX 3	BOX 4
Series	Model	Series	Analysis Fluid
CTM	SC = Extraction Box	100 = Standard	Solvent A III Class (Flashpoint > 140°F 0 = (60°C), lower explosion limit > 0.6 Vol.%) Water with surfactants, admissible 1 = pH-range 6 to 10, no deionized / demineralized water
BOX 5			
Supply Voltage			
K = 120 V AC / 60Hz / 1 Phase USA / CDN			
M = 230 V AC / 50Hz / 1 Phase Europe			
N = 240 V AC / 50Hz / 1 Phase UK			

Items Supplied

- CTM-SC
- Operating and maintenance instructions

Consult Factory for special options.
Not all combinations available.