



TERG-O-TOMETER

AN ISO 9001 : 2015 CERTIFIED CO. & CE MARK PRODUCT



Working :

It gives scaled reproduction of larger washer, this is a 6 place washing machine simulating the action of the agitator type washer.

Determination :

Detergent value of soap, synthetic detergents & other washing compounds. Washability of fabrics. Color fastness of textile materials. optimum temp. & rotary action cycle for liquid phase until process.

Application :

Specially used for Laboratory evaluation of soaps, detergents, dyestuffs, surfactant, cleaners for textile & other materials.

Electrical Connections :

A worm reduction Universal Mounting Gear Motor (Make BONFIGLOLI") frequency drive - Single phase 1/2 H.P. 3 phase & vector type stainless steel heaters.

Fabrication :

Angular structure with CRCA / M.S duly non-contaminant epoxy powder coated. It has a water bath with 6 nos of stainless steel 316 L pots of 2 Ltrs capacity, shafts & impellers for agitating clockwise 180 degree, Anticlockwise 180 degree.

Power Supply :

220 to 240 Volts A/C single phase, 50 Hz

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Refrigeration system : (Optional)

A hermetically sealed compressor, with cooling coils condenser, fan motor & all accessories required to bring down temp; to below ambient conditions.

Controls : [Touch Screen]

PLC with HMI (programmable Logic Controls) with wide touch screen & function to maintain temp. in bath display time t set wash & rinse cycle. Electronic digital RPM display & variable speed regulator (programmable all in one)
Temp. Range : Without refrigeration system, 5°C above ambient to 100°C & with refrigeration system :5°C to 100°C can set rotating speed, temp., cycle time & test dates, output by parallel port USB or RS485/232.

Optional Accessories :

Refrigeration system for below ambient condition. GMP Models complete stainless steel unit.

Special Care :

Suitable K.V.A. Servo Controlled Voltage Stabilizer is recommended in case of voltage fluctuations.

Certification :

ISO 9001:2015 Certified Co. D&B registered & CE mark product.

Calibration & validation certificates traceable to NABL / ERTL accredited labs.

Documentation :

To comply with the documentation requirements, we provide IQ, OQ & PQ protocols to be executed before taking the chamber in to for regular use, and support the supply with the following documents with the detail operational and service manual.

Standard Operating Procedure (SOP)
Operational Manual for Controller
IQ,PQ,OQ protocols certificate.
Calibration certificate of all controlling modules with traceability.
Certificate of MOC.
Test Report of chamber prior to supply with mapping certificate.
wiring diagram for ease of service maintenance.

COMPARISON CHART

MODEL NO :	CONSTRUCTION		Temp. Range	Refrigeration
	Inner Chamber	Outer Chamber		
TOM 52-A	Water bath, Impeller, shaft & all contracts parts made of Stainless steel 316L grade	Made of CRCA sheets duly epoxy powder coated.	5°C above ambient to 100°C	Without Refrigeration System
TOM 52-A/I	Water bath, Impeller, shaft & all contracts parts made of Stainless steel 316L grade	Made of Stainless steel 304 grade	5°C above ambient to 100°C	Without Refrigeration System
TOM 52-B	Water bath, Impeller, shaft & all contracts parts made of Stainless steel 316L grade	Made of CRCA sheets duly epoxy powder coated.	5°C to 100°C	With Refrigeration System
TOM 52-B/I	Water bath, Impeller, shaft & all contracts parts made of Stainless steel 316L grade	Made of Stainless steel 304 grade	5°C to 100°C	With Refrigeration System

Due to continuous development & improvements in design, we reserve the right to change the specification without notice.