

TRAM5/TRAM20/TRAM50 TECHNICAL SPECIFICATIONS

Application: On-Line Continuous Moisture & Acidity Removal Dual Cylinder System for Oil Filled Transformers

Key Specifications:	TRAM-5	TRAM-20	TRAM-50
Adjustable Flow Rate	100 - 300 LPH as per pump adjustable 3 stage setting	100 - 300 LPH as per pump adjustable 3 stage setting	100 - 300 LPH as per pump adjustable 3 stage setting
Moisture Management	to ≤ 10 ppm	to ≤ 10 ppm	to ≤ 10 ppm
Media Volume (Moisture)	10 kg	20 kg	50 kg
Media Volume (Acidity)	10 kg	20 kg	50 kg
Particulate removal	1 Micron, 3 Micron, 6 Micron, or 12 Micron (spin on type)	1 Micron, 3 Micron, 6 Micron, or 12 Micron (spin on type)	1 Micron, 3 Micron, 6 Micron, or 12 Micron (spin on type)
Flow Meter	Local Display Totalizer in Liters	Local Display Totalizer in Liters	Local Display Totalizer in Liters

Construction:	TRAM-5	TRAM-20	TRAM-50
Enclosure	In Cabinet	In Cabinet	In Cabinet
Weight in KGS	150 KGS	460 KGS	500 KGS
Dimensions: Height x Width x Depth	H 800 X W 600 X D 550 in mm	H 1000 X W 1280 X D 735 in mm	H 1727 X W 1280 X D 735 in mm
Enclosure	Mild Steel 2.5 mm thickness RAL 7046 Polyester Powder Coating with Primary Phosphate Coating for Corrosion Resistance	Mild Steel 2.5 mm thickness RAL 7046 Polyester Powder Coating with Primary Phosphate Coating for Corrosion Resistance	Mild Steel 2.5 mm thickness RAL 7046 Polyester Powder Coating with Primary Phosphate Coating for Corrosion Resistance
Cylinder and Piping	Stainless Steel 316 Grade	Stainless Steel 316 Grade	Stainless Steel 316 Grade
Enclosure Protection	Designed to comply with IP56	Designed to comply with IP56	Designed to comply with IP56

Operation:	TRAM-5	TRAM-20	TRAM-50
Operating temperature range	0 °C to + 65 °C	0 °C to + 65 °C	0 °C to + 65 °C
Moisture adsorbent capacity	5-7 Liters Approx.	10-12 Liters Approx.	15-17 Liters Approx.
Operating oil temperature range	+2 °C to + 95 °C	+2 °C to + 95 °C	+2 °C to + 95 °C
Operating pump capacity	Maximum 300 Liters / hour	Maximum 300 Liters / hour	Maximum 300 Liters / hour
Electrical Supply	230V AC; 50Hz or 60Hz; 200W; 1Ø	230V AC; 50Hz or 60Hz; 255W; 1Ø	230V AC; 50Hz or 60Hz; 255W; 1Ø

Installation:	TRAM-5	TRAM-20	TRAM-50
Installation time: Est.	5 hours with 2 engineers	5 hours with 2 engineers	5 hours with 2 engineers
Commissioning Time: Est.	2 hours	2 hours	2 hours
Drain valve	½ inch female	½ inch female	½ inch female
Alarms and cable requirement	Output: 1 NO and 1 NC (Fail Safe Mode) Cable: 1 – 2.5 mm sq	Output: 1 NO and 1 NC (Fail Safe Mode) Cable: 1 – 2.5 mm sq	Output: 1 NO and 1 NC (Fail Safe Mode) Cable: 1 – 2.5 mm sq
Power Cable	2.5 mm sq	2.5 mm sq	2.5 mm sq
Inlet & Outlet valve	¾ inch male	¾ inch male	¾ inch male

Standard Installation kit:	TRAM-5	TRAM-20	TRAM-50
Instruction Manual – 1 No.	Provided	Provided	Provided
Wedge Anchor – 4 Nos.	Provided	Provided	Provided
Flat Washers – 8 Nos.	Provided	Provided	Provided
Anchor Nut – 8 Nos.	Provided	Provided	Provided
Quick Connect Oil Sampling Tube – 1 No.	Provided	Provided	Provided
3/4 inch SS BSP/NPT Fitting – 1 Nos.	Provided	Provided	Provided
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3/4-inch SS flexible pipe, (Maximum 10 meter)	As per client requirement	As per client requirement	As per client requirement
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Warranty & Support: TRAM Series

DryTrans's all moisture management systems are backed by a ONE-year factory warranty from date of shipment. DryTrans systems are available through DryTrans's worldwide network of Authorized Representatives.

***TRAM Series is installed with Dual Filter Media Cylinder, first Cylinder filled with 50 Kg Molecular Sieve and Second Cylinder with 50 kg Activated Alumina. However, both Cylinder can be configurable to Molecular sieve to increase the moisture adsorbent capacity to 20-24 Liters approx.**

Note: Continuous research and improvement may result in specification or appearance changes at any time