

C&H Services SBU



Efficlean-TF

Online Thermic Fluid Cleaning System

■ What is Efficlean-TF?

Efficlean-TF is an online thermic fluid cleaning system. This is an intelligent filter separating particles / solid from thermic fluid at micron levels even to the extent of 0.25 microns. It works on the principle of centrifugal action, where oil will be circulated for a predefined number of passes as recommended, and cleaned oil sent back.

Impurities in Thermic Fluid

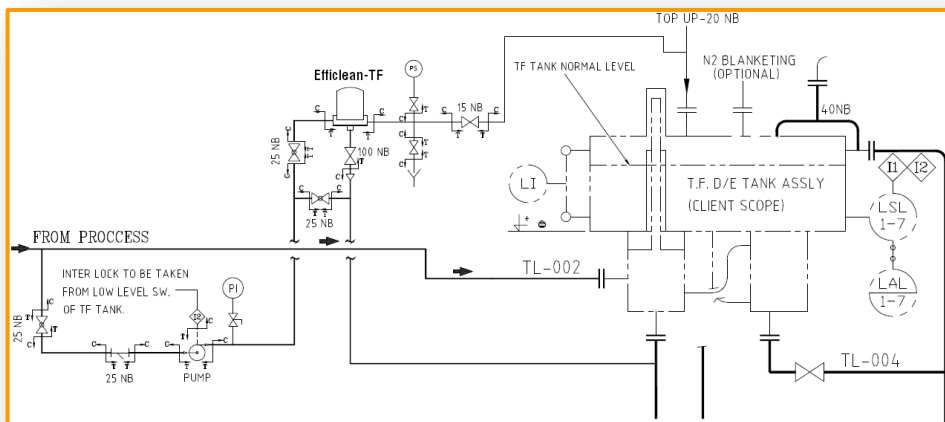
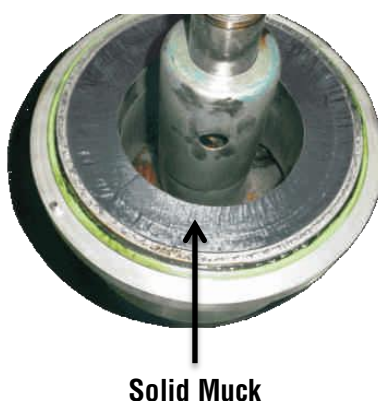
As we know, even the most highly refined Thermic Fluids available in the market are subject to oxidation to some extent at elevated temperatures. The oxidation of Thermic Fluid results into formation of carbonaceous residues (sludge) which can impair system operations by clogging pump filters, depositing on heated surfaces & impairing the performance of mechanical seals. At the same time, some of the oil soluble acidic products also tend to increase viscosity of oil affecting its flow through the circuit.

Problems with Lower Quality Oil

- Frequent break downs even after preventive maintenance
- High maintenance cost
- Nozzle failures
- Pump failures
- Sediment filtration
- Choking of the complete system.

Why Efficlean-TF?

- Efficlean-TF is a filter that separates solid from liquid at micron levels, even to the extent of 0.25 microns.
- This is a bypass filter, with a separate pump for inlet pressure requirements of 3 to 4 bar depending on the site condition.
- This pressure energy is converted to rotational energy in Efficlean-TF, which causes particles to accumulate layer by layer in the rotor walls (solid muck).
- Cleaned oil from Efficlean-TF is routed back to the tank by gravitational forces.



Benefits of Efficlean-TF

- Reduce clogging of pump filters
- Reduce equipment/machine downtime.
- Maintains Thermic Fluid quality.
- Improves system performance.
- Improves heat transfer rate by reducing scale formation
- Overall reduction in maintenance cost.
- Prolong performance of components due to less wear & tear.

For more information, please get in touch with your nearest Thermax representative. You can also mail us at info.c&hservices@thermaxindia.com or visit us at : www.thermaxindia.com

In view of our constant endeavor to improve the quality of our products, we reserve the right to alter or change specifications without prior notice. All photographs shown in this publication are representative in purpose, and to be used for reference only. For actual details and specifications, please refer to Thermax offer document.



Sustainable Solution in Energy & Environment

COOLING & HEATING DIVISION Services SBU

D-13, MIDC Industrial Area, R. D. Aga Road, Chinchwad, Pune – 411 019. INDIA.
Tel : +91-20-6615 5000
1800-209-0115 (India Toll Free)
Fax: +91-20-2747 7080
E-mail: info.c&hservices@thermaxindia.com

AHMEDABAD 380 006

Tel : (079) 2657 5408 / 5341 / 7073
Fax: (079) 2657 7270
E-mail: aadmin@thermaxindia.com

BANGALORE 560 001

Tel : (080) 2237 1721 - 25
Fax: (080) 2237 1726
E-mail: receptionblr@thermaxindia.com

CHENNAI 600 018

Tel : (044) 2430 3400
Fax: (044) 2435 3841
E-mail: chennaiereception@thermaxindia.com

HYDERABAD 500 081

Tel : (040) 2325 3700
Fax: (040) 2325 3799
E-mail: hyd_secretary@thermaxindia.com

MUMBAI 400 039

Tel : (022) 6754 2222, 2285 2058
Fax: (022) 2204 0859
E-mail: madmin@thermaxindia.com

NEW DELHI 110 034

Tel : (011) 4608 7200
Fax: (011) 2735 5211
E-mail: admindel@thermaxindia.com

KOLKATA 700 019

Tel : (033) 6607 0800 / 0900
Fax: (033) 6607 0999
E-mail: dipudas@thermaxindia.com

International Offices:

Middle East (Dubai)

Tel : +9714-8861424
E-mail: info@thermaxdubai.ae

South East Asia (Malaysia)

Tel : +60127798493
E-mail: thermax@ttn.net.my

HO, Africa, SAARC & Other Countries

Tel : +91-20-6615 5000
E-mail: info.c&hservices@thermaxindia.com

International offices:

Indonesia, Russia, Kazakstan, Saudi Arabia, UAE, Bangladesh, Sri Lanka, Hong Kong, China, Thailand, Malaysia, Kenya, Nigeria, Brazil, UK, USA.

Thermax Business Portfolio

Boilers & Heaters

Absorption Cooling

Air Pollution Control

Captive Power

Chemicals

Water & Waste Solutions