



FILTERSAFE SPOTLIGHT

PTTGC Olefin Plant Expansion OMP Project



INDUSTRY

Industrial

APPLICATION

Cooling Water Side Stream Filter

FILTERSAFE

- 20 years filtration experience
- 3,500+ installations
- 10µm & upwards
- Up to 9,000 m³/hr in a single filter
- Modular filter technology

Project Number	OPN-2019-412
Client	Samsung Engineering Thailand
End User	PTT Global Chemical Company Ltd.
Application	Cooling water side stream filter
Flow Rate	250 m ³ /hr
Filtration Degree	80 micron
Water Source	Circulated cooling water, TSS max 20ppm
Filtersafe Solution	FS070 x 2
Installation Date	May 2023
Location	Map Ta Phut Industrial Area, Rayong District, Thailand





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ADDITIONAL INFORMATION

Total of 2 units in 2 x 100% configuration. Filter designed in according to ASME. One manual control station is designed to allow manual operation of both filters. Smart Valve installed downstream as Pressure Sustaining and Check Valve (PSCV) prior distributing filtered cooling water at an elevation of 6.5m to the cooling basin. Hazardous Area Zone, Class 1 Division 2, Group B, C and D, T3, NEMA standard, CSA/NEC certifications for all instruments and motor. PLC control logic integrated in DCS.

Original specification requested for auto strainer with Booster Pump and Filtersafe has proven successfully our technology works perfectly well in this installation without the need of the booster pump, giving a simple , low maintenance and cost effective solution.

