



Pall Applications & Technologies in Ethylene plants

Pall Corporation work for more than 60 years in partnership with fuels and petrochemicals industrial companies. Major progress has been achieved in fluids contamination management, with associated process optimization, efficiency improvement, and cost savings.

Ethylene production is one of the major field in which significant progress occurred, and Pall has now more than **220 filters and coalescers filtration and coalescence systems installations worldwide**, on more than 15 different applications.

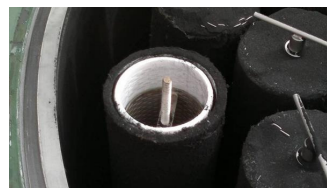
Our customers can rely on our worldwide and local expertise, and technical support, in order to choose the best available technologies, and optimize their total operation costs.

Our main applications in the ethylene production process are :

Feed stocks purification

- Purification of liquid and gas variable feed stocks
- Furnace protection against coke precursors
- Contribution to extended furnace campaign
- Overall operation margin increase

25+ installations



Py-gas removal from quench water

40+ installations

- Steam saving and waste water treatment volume reduction
- Reduction of cleaning frequency of DSG heat exchangers, strippers and re-boilers .
- 39 L/L coalescence systems installation on quench water application – almost half of the references installed on gas crackers and the other half on liquid crackers-
- Located in 20 different countries, on the 3 continents,
- Difficult separation of stable emulsion with very low interfacial tension Pall coalescence efficiency, near solubility limits reaching < 20 ppmw free hydrocarbon in water



Cold box protection

10 + installations

- Efficiency increase
- Delta P and cleaning frequency reduction

Molecular sieve protection

8 + installations

- Liquid and solid removal from feed gas
- Molecular sieve life time and efficiency increase

Other applications

140 + installations

- Burners protection
- Green oil removal
- Py gas dewatering for catalyst protection
- NMP, Sulfolane filtration
- Oil removal from ethylene
- Compressor protection
- Amine filtration
- Analyser protection
- Water applications (cooling water, boiler feed..)
- Lubricant and hydraulic filtration and purification

