



BTX DirectSM

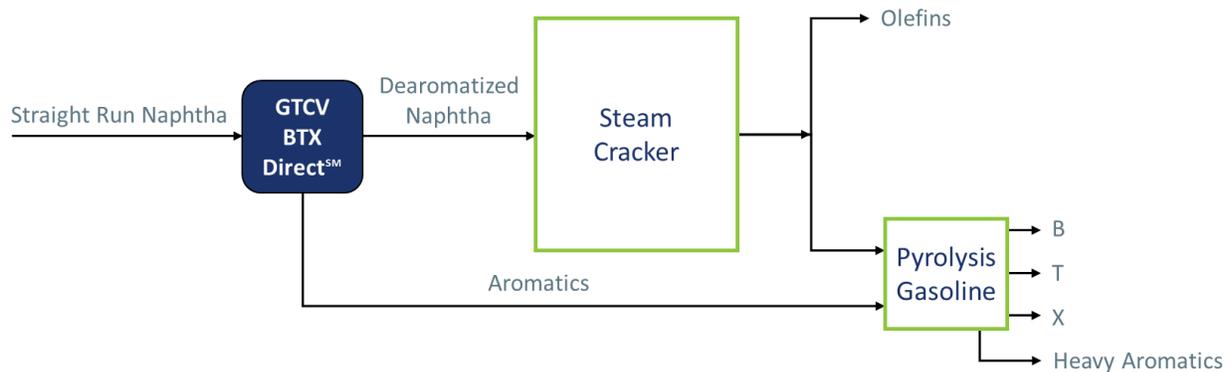
Naphtha Dearomatization Process

BTX DirectSM Naphtha Dearomatization Process

Description

GTC Vorro Technology's BTX DirectSM process is a simplified version of liquid-liquid extraction, which separates aromatics from straight run naphtha to bypass the steam cracker operation. The extracted aromatics plus contaminants are routed to the pygas hydrotreating and purification for profitable recovery of benzene, toluene, xylenes, and heavy aromatics. The non-aromatic fraction is routed through the normal steps of cracking and recovery of olefins.

Process Flow



Process: **BTX DirectSM**

Solvent: **BTX GoldTM-N**

Process and solvent designed for maximum production results

Solvent

The heart of the process is the solvent – BTX Gold™-N. BTX Gold™-N is specially-suited for LLE operations. It has the highest capacity of any commercial solvent system in use. BTX Gold™-N is a blended solvent, and has lower hazard rating compared to traditional solvents or blended solvents, as well as improved secondary properties. All components of BTX Gold-N™ are registered under the REACH program, for unhindered use where REACH applies.

Features

- Improves olefins yield, as aromatics do not crack in the furnaces.
- Improves furnace run length by removing refractory components from the feed.
- Lowers cost of ethylene, as more valuable products are produced.
- Lowers specific energy consumption by avoiding the processing cost of the aromatics.
- Debottlenecks furnaces, which are usually the constraint for the entire complex.
- Simple add-on design, not directly coupled with the main cracker operation.
- No modifications to the cracker required to implement.

For more information about GTC Vorro's Naphtha Dearomatization Process, please send your inquiry to info@gtcvorro.com.



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