

ADSORBENT SOLUTIONS IN PETROLEUM REFINING

Extend catalyst life, protect equipment and ensure product specifications are met.

Honeywell
UOP

Adsorbents for Catalytic Reforming

CLR-204	Premier, highest capacity product with very low green oil production for net gas and LPG treating.
CLR-454	Good capacity in net gas treating. Makes no green oil.
PCL-100	For use in stabilizer feed treating, also removes organic chlorides along with trace HCl.
PCL-200	Premium product designed for inorganic and organic chloride removal from liquid hydrocarbon streams.

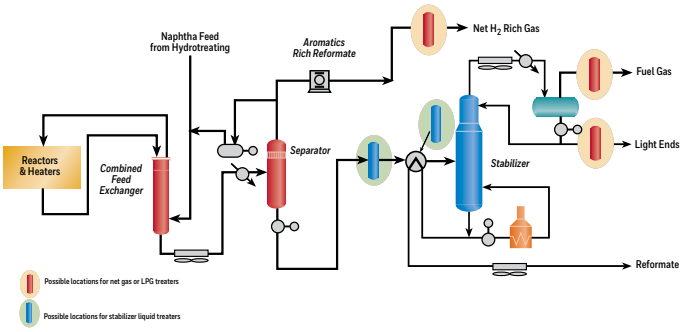
Adsorbents for Isomerization

HPG-250 & HPG-429	Use in feed treaters to remove a broad range of impurities. Add to make-up H_2 dryers for both H_2O and removal of CO_2, H_2S or methanol.
HPG-300	Upgraded high performance grade for feed treater contaminant removal with higher capacity to enable longer adsorbent bed life.
PDG-418	For moisture removal in make-up H_2 dryers.
ADS-120	Cost-effective, non-regenerative sulfur removal adsorbent for treating Penex and reforming feed streams.
ADS-130	Non-regenerable sulfur removal adsorbent for treating BenSat feed streams more sensitive to water. No water generated at start-up.

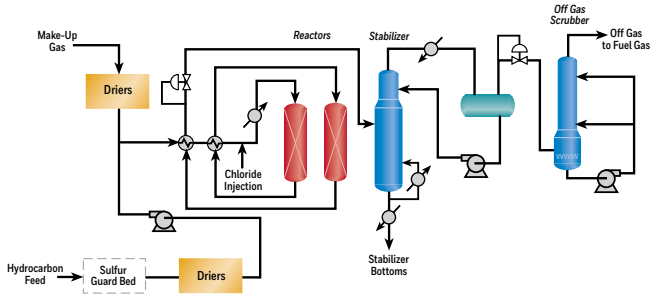
Adsorbents for HF Alkylation

GB-346S & GB-347S	Hg removal from hydrocarbons in feed to alkylation units.
ADG-401	Use alone to remove water or with HPG-250 or HPG-429 to remove H_2O and oxygenates in feed dryers.
ORG-E & ORG-HP	High capacity adsorbent used to purify etherification raffinate streams, used as alkylation feedstocks.
P-188 & A-202HF	Premier, highest capacity defluorination adsorbent resulting in longer effective bed life.
AZ-300 & AZ-400	Hybrid alumina-zeolite adsorbent providing excellent removal of H_2O, COS, RSH, H_2S, oxygenates and nitrogen compounds.

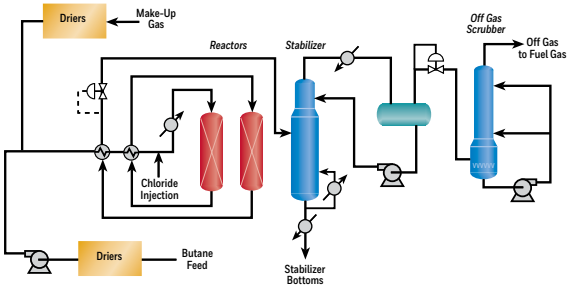
CHLORIDE TREATING IN REFORMING



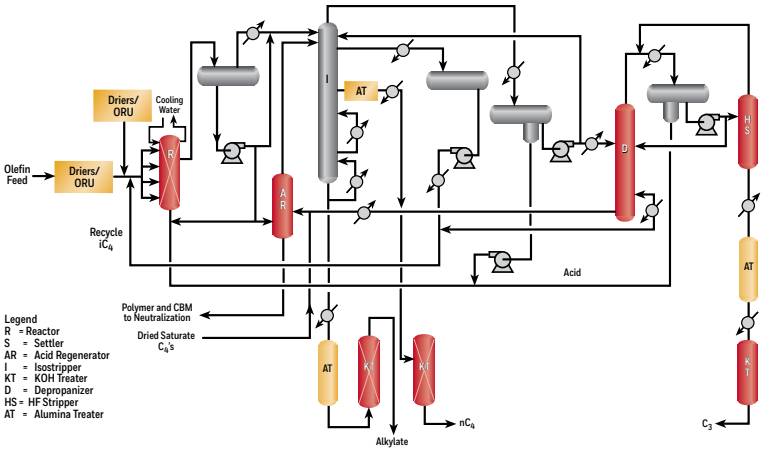
SIMPLIFIED PENEX™ FLOW DIAGRAM



SIMPLIFIED BUTAMER™ FLOW DIAGRAM



UOP HF ALKLATION PROCESS



For more information
https://uop.honeywell.com

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