

Oil & Gas Overview

Wellhead

Midstream

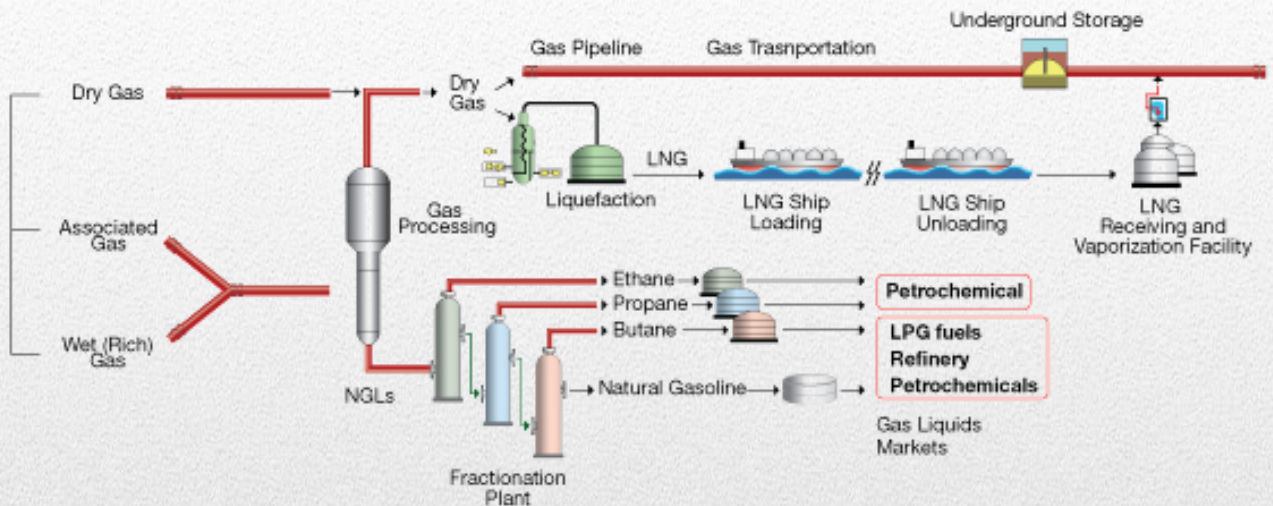
Transmission
&
Distribution



HILCO

Hilco Filtration Applications for Midstream Gas Processing Applications

Midstream Gas Sector



The midstream sector, especially in North America, has grown rapidly since gas deregulation in 1996 and, more recently, beginning in 2007 with the rapid rise in the development of unconventional gas resources. Most Midstream gas companies provide the critical infrastructure needed to link producers in supply basins to market outlets. The majority of the cartridges on display are utilized in midstream gas processing applications.

CT1122-00-CM

Activated Carbon Cartridge



Existing Carbon Vessel



*Recently Shipped Hilco
Manufactured Carbon Vessel*

Depending on the specific geographical area of production, natural gases such as ethane, propane, and butane can contain significant quantities of hydrogen sulfide (H_2S). The H_2S content in the gas needs to be < 5 ppm before it is transferred to the pipeline company. H_2S is removed by the midstream gas processor by “scrubbing” through a glycol reactor. The H_2S is removed from the glycol by utilizing this activated carbon cartridge.

Replaces PECO 1122-C

PH436-12-CHT

Carbon After Filter Cartridge



Since activated carbon is a granular substance a slight amount of the material is expected to migrate from the activated carbon filter vessel. The PH436-12-CHT captures any potential migrating carbon and removes it from the glycol.

Replaces Baron BAR00187

Hilco 3860-11-053 Natural Gas Liquid (NGLs) Condensate Filter

Hilco model 3860-11-053 is a particulate filter that removes solids from NGLs including methane, ethane, and butane

Hilco 3860-11-053 replaces Pall HFU660HGF100H

This cartridge is an excellent example of our capability to provide the customer with a high quality, lower cost alternative to the original OEM cartridge.



Hilco 3850-00-007 Treated Gas Coalescer Filter



The Hilco 3850-00-007 coalescing cartridge is utilized to remove entrained oil in the process gas supply. Oil will foul the glycol making it less effective and needs to be removed in order to prolong service life.



Replaces Pentair
GCAP4840KP3V

Hilco NFC3860-00-SS-V Dryer/Coalescer Cartridge

Much of the produced gas can contain an abundance of moisture. The NFC3860-00-SS-V cartridge coalesces out the gross amounts of water prior to the dehydration unit in the midstream facility.

Replaces PECO NGC-640-OC-SS-V



Hilco AA916-00-C Coalescing Element

Midstream processing plants utilize refrigeration compressors in order to keep the (NGLs) in liquid form. The refrigeration compressors are typically oil flooded screw compressors. The oil is removed at the discharge of the compressor by a Hilco AA916-00-C coalescing element and returned to the suction side of the compressor for reuse.

Replaces Keltec KR300-076



Hilco 3840-00-021 Residue Gas Coalescing Filters



Midstream gas processors sell natural gas to pipeline companies. Pipeline companies will not accept any natural gas with entrained oil. The final filter in a midstream processing plant is the residue gas filter which ensures that the gas is oil free when it exits the plant.

Replaces King Tool KT-GSWNX

Hilco is currently building a
700 MMCFD residue gas
filter designed for 1425
PSIG



Hilco 3860-00-081 Compressor Discharge Filter/Separator

Hilco model 3860-00-081 is a coalescing filter installed on a 2 MMCFD compressor train in a midstream processing plant. The 3860-00-081 removes oil used for lubrication from the compressor discharge.

Hilco 3860-00-081 replaces Peco PPCHG-572-EC-UFS



Hilco 3840-00-020 Fuel Gas Filter Coalescer

- Hilco model 3840-00-020 is a coalescing filter
- Commonly found in gas turbine inlet filtration
- Pleated multi layered depth design for maximum area and efficiency
- Particle removal efficiency > 99% @ 0.5 to 3 Micron
- Liquid removal efficiency > 99% @ 0.5 to 8 Micron installed on a 2 MMCFD compressor train in a midstream processing plant. The 3860-00-081 removes oil used for lubrication from the compressor discharge.

Hilco 3840-00-081 replaces all Peco NGGC 336 series

