

REFINERIES



MAXIMIZE

petroleum production.

**MINIMIZE
cost.**

Efficient petroleum production isn't just about refining oil; it's about refining the processes used, too.

That's where Buckman comes in.

We understand that the refinery is a highly integrated and complex facility made up of individual process steps that require personalized attention and advanced solutions. Look to us for industry-leading process chemistries, water treatment technologies and technical expertise to help you protect equipment, extend the time between shutdowns, optimize performance and maximize output—all while minimizing the use of resources. With Buckman refinery solutions, you can create more of the energy the world needs at a lower total cost.



Get the support you need from the CDU to the final product stream.

The most important lines in your refinery are the lines of communication. Through constant communication, Buckman becomes your link to a world of resources. Our partnerships with other leading edge providers give us the ability to offer you one of the most comprehensive refinery solutions programs in the industry. Our field and technical support provides hands-on, seamless services, supplies, and expertise. Our state-of-the-art software and electronic tracking programs allow us to monitor and fine-tune applications for best results. And our training keeps your production staff knowledgeable and productive.

Comprehensive solutions

- Crude oil management
- Desalting
- Emulsion breaking
- Corrosion control
- Antifouling
- Coke minimization
- Hydrogen sulfide reduction
- Defoaming
- Antioxidant applications
- Scale control
- Cleaning
- Emissions abatement
- Fuel additives
- Product performance enhancement
- Microbiological growth control

Risk management

We work hard to reduce your risk even as we work to increase production. All of our procedures and applications, including those acquired from our partnership providers, are screened in sophisticated laboratories around the world to ensure compatibility and superior performance. Every product is tested and approved in accordance with global specifications and certified standards. And every application is handled with an emphasis on plant safety. Rest assured that we have ISO accreditation for our quality, environmental, and safety management systems.

Buckman Green

Our color. Our commitment.

At Buckman we take our global citizenship seriously. In fact, we have established Buckman Green, a comprehensive approach to environmental stewardship, social leadership, and financial responsibility. By producing green chemistries and energy-saving

solutions, Buckman is finding the sustainable path forward for our customers and for ourselves.

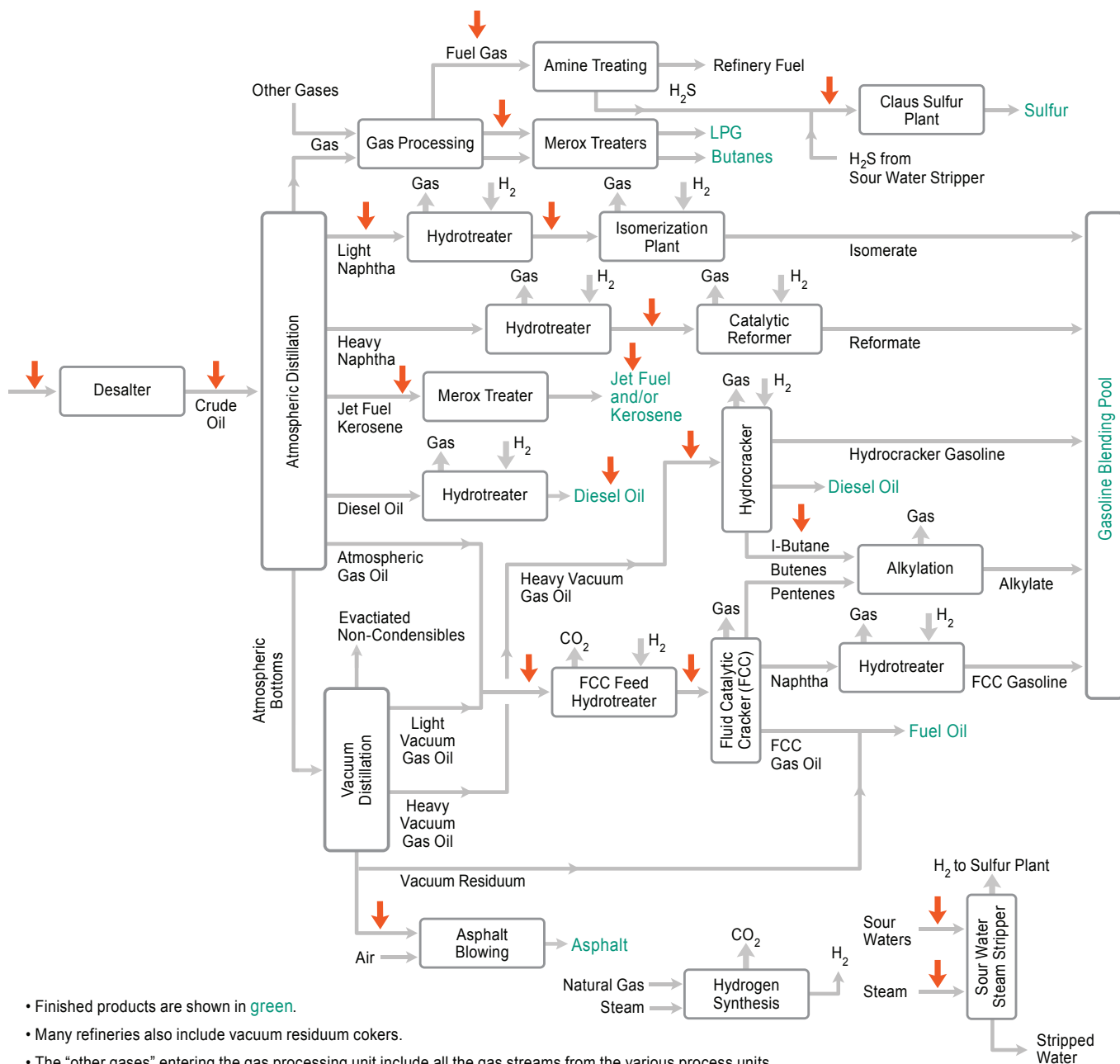
Learn more

Ready to refine your operation with refinery solutions from Buckman? Find out more. Contact your local Buckman representative, or visit us at buckman.com.



Crude Oil Refinery Flow Diagram Showing Process Chemical Additives Locations

To view the interactive diagram, visit our Resources area on buckman.com.



- Finished products are shown in green.
- Many refineries also include vacuum residuum cokers.
- The “other gases” entering the gas processing unit include all the gas streams from the various process units.
- Process chemical additives are shown in orange.

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Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. W602H (09/18)

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