

Enerflex in Action



600 TR PROPANE REFRIGERATION FOR A PETROCHEMICAL PLANT PRODUCING POLYALPHAOLEFINS

USA

Skid-mounted and compact with maximized accessibility.

The customer needed a single skid-mounted refrigeration system for process chilling in polyalphaolefin production in their petrochemical plant — built in compliance with strict API and ASME codes and regulations. This solution was part of a larger plant process module, with limited plot space.

Enerflex was challenged to provide a compact design, while meeting all of the customer's accessibility requirements. Proving to be no challenge at all, Enerflex delivered this 600 TR (2,110 kW) propane refrigeration system, including the engineering, design, and manufacturing of a single-skid solution. The skid-mounted system included:

- One oil-flooded screw compressor, driven by a 600 HP (450 kW) electric motor;
- Water-cooled condenser;
- Receiver; and
- Suction knock-out drum.

OUTCOME

Enerflex successfully delivered by designing a compact single skid-mounted package to satisfy maximum customer accessibility requirements. Enerflex designed this refrigeration system against a tight deadline in just 10 months, demonstrating exceptional project schedule management, expert engineering, technical know-how, and quality craftsmanship.



The Refrigeration Experts

As experts in fully modular and stick-built turnkey design solutions, our proven history and success in refrigeration systems spans the globe.