



COMPRESSION SOLUTIONS FOR SUSTAINABLE AVIATION FUEL (SAF)

PROVEN DESIGN FOR SAFE AND RELIABLE OPERATION

APPLICATION DESCRIPTION

Various technologies utilize renewable feedstocks like oils, fats, sugar, cereal, municipal solid waste, wood, and agricultural residue to produce SAF.

In SAF production, specific technologies, including HEFA (Hydroprocessed Esters and Fatty Acids), require the utilization of a Hydrotreater (HDT). The primary function of the HDT is to remove oxygen and eliminate impurities using hydrogen where our compressors play a pivotal role.

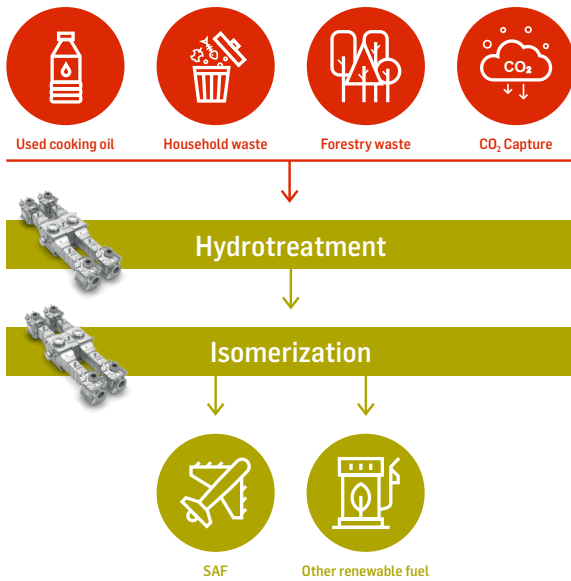
CUSTOMER BENEFITS

- Customized compressor solutions catering to a wide range of pressure and capacity.
- Dry & Lubricated operation adhering to industry standard API 618.
- Enhanced sealing Technologies REDURA® combined with experience across diverse applications, we optimize operational efficiency.
- Global Project Expertise: Our project engineering and management services ensure seamless execution of projects across the globe.
- Global Service Network: Our worldwide service network ensures comprehensive customer support, maximizing the performance of your valuable assets.

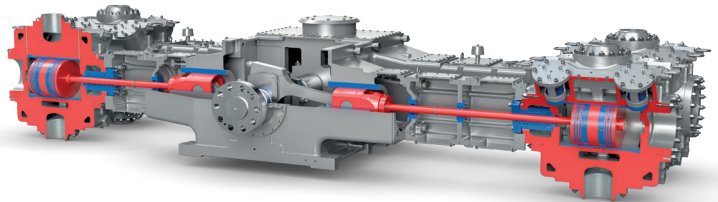
LUBRICATED AND OIL-FREE COMPRESSION SOLUTIONS

OPTIMAL COMPRESSOR PERFORMANCE AT DIFFERENT PROCESS CONDITIONS

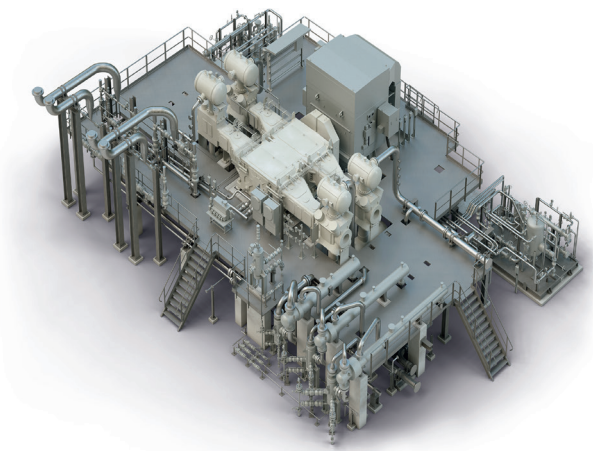
Reciprocating compressors are essential for delivering hydrogen (H₂) to the reactor. They serve both the Hydrotreater and Isomerization processes.



API 618 COMPRESSOR DESIGNS



OPTIMISED GENERAL ARRANGEMENT



TECHNICAL DATA

Type	Max. Speed rpm	Rated Power kW / hp	Max. Rod Load kN / lbs	Cranks
BY	850	900 / 1'200	100 / 22'500	2, 4
BF	600	2'200 / 3'000	145 / 32'500	2, 4
BS	750	2'400 / 3'200	200 / 44'500	2, 4, 6
BX	520	5'400 / 7'200	350 / 79'000	2, 4, 6
BA	500	9'500 / 12'700	550 / 124'000	2, 4, 6, 8
BC	450	16'000 / 21'700	900 / 200'000	2, 4, 6, 8
BE	429	31'000 / 42'100	1'700 / 382'000	2, 4, 6, 8

Burckhardt Compression

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