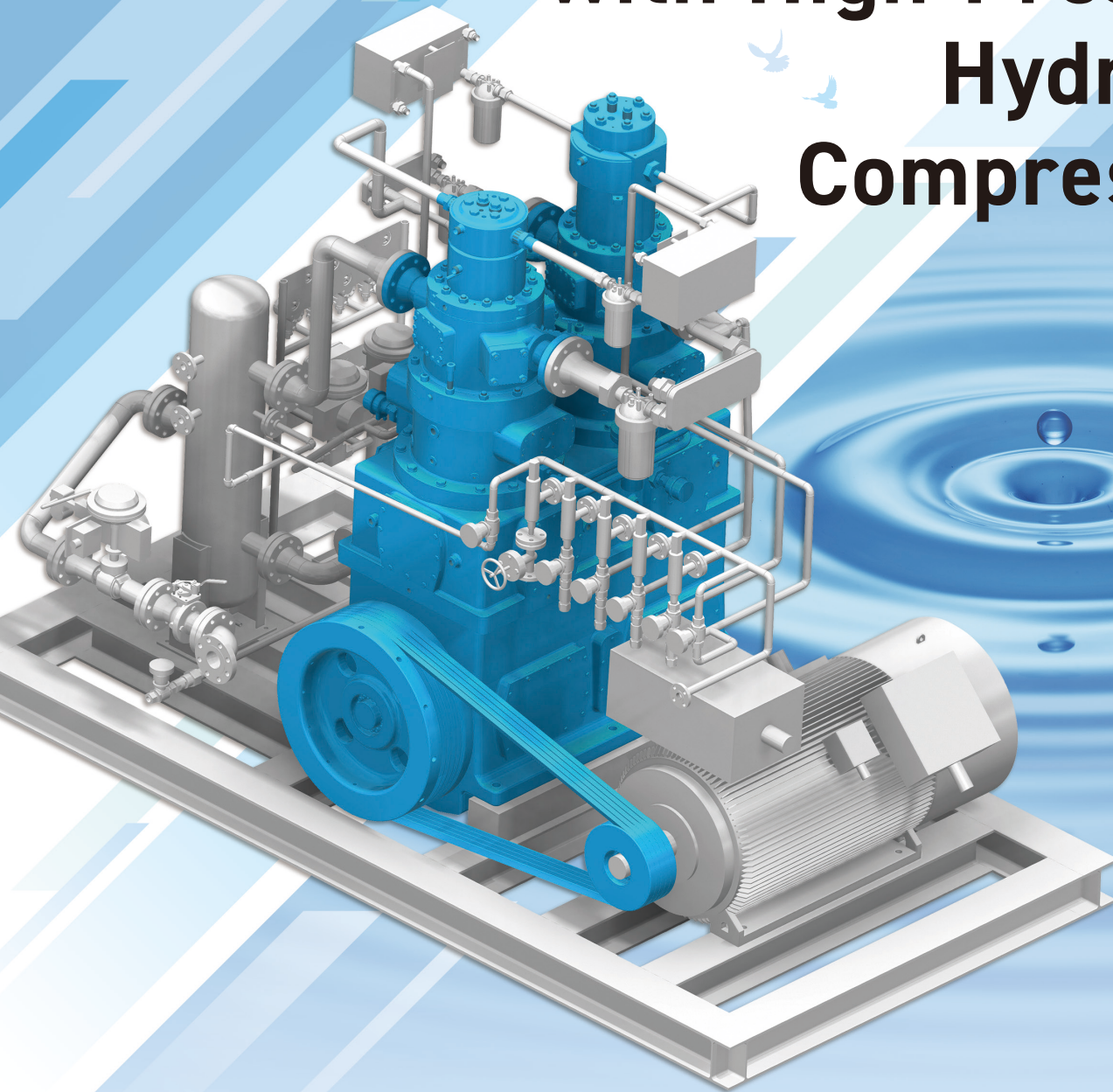


Empowering Green Innovation with High-Pressure Hydrogen Compressors



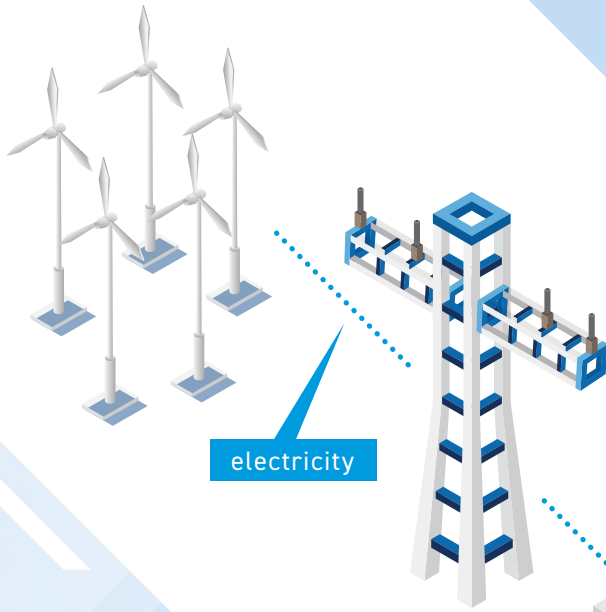
By operating electrolysis units with electricity generated from renewable sources, it becomes possible to produce green hydrogen. The generated hydrogen is compressed, stored, and filled into tube trailers or tanks, and subsequently delivered to consumers. Upon arrival, the hydrogen is once again compressed and stored in tanks at hydrogen stations, after which it is supplied to trucks and vehicles via dispensers. Our reciprocating compressors are well-suited for both hydrogen production and supply processes. We are the only ones capable of manufacturing high-pressure, high-flow hydrogen compressors at this level.

Developed by MITSUI E&S & KAJI TECHNOLOGY and continuously enhanced ever since. New type of compressor achieves an increased flow rate of up to two times compared with conventional compressors.

Our reciprocating compressor stands ready to handle the high-flow demands of the green hydrogen market. With a high-flow rate compressor, it excels at compressing hydrogen gas generated by electrolyzers, ensuring optimal pressure levels for storage and transportation.

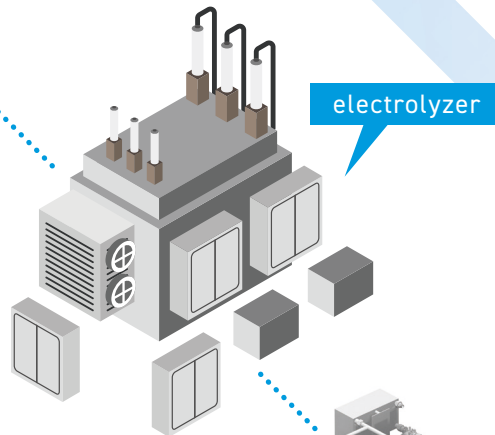
Trust in the reliability of our reciprocating compressor as it aids in the compression of green hydrogen. Its robust design and dependable operation minimize downtime, enabling consistent hydrogen compression and supporting the growth of eco-friendly solutions.

Process Flow of H₂ application



Technical Data

	Suc. Press. [Bar]	Dis. Press. [Bar]	Mass Flow Rate [kg/h]	Motor Rate [kW]
SPEC.1	15	480	78	165.0
SPEC.2	30	400	100	165.0
SPEC.3	40	500	98	175.0



HYDROGEN COMPRESSOR

HIGH-FLOWRATE & HIGH PRESSURE

