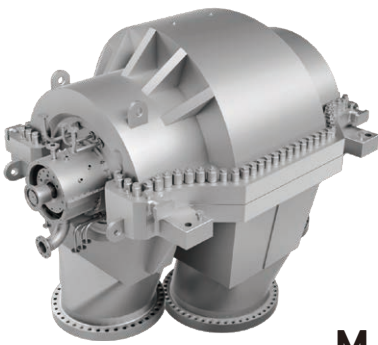


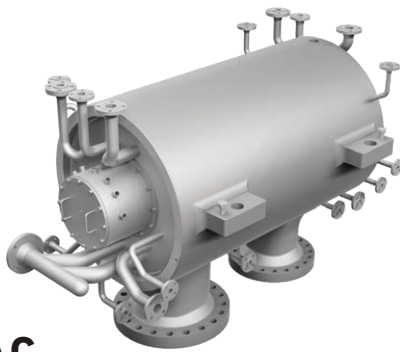
MITSUBISHI CO₂ Compressors Contributing to Building the CCUS Value Chain

Mitsubishi Heavy Industries Compressor Corporation (MCO) offers two product lines for CO₂ compression: in-line/between bearing (**MAC**) and multi-shaft/multi-stage, also referred to as integrally geared (**MAC-G**). With a track record of supplying over 100 units for CO₂ service since the 1990's, MCO is well-equipped to provide the best-suited CO₂ compressors for customers' projects.

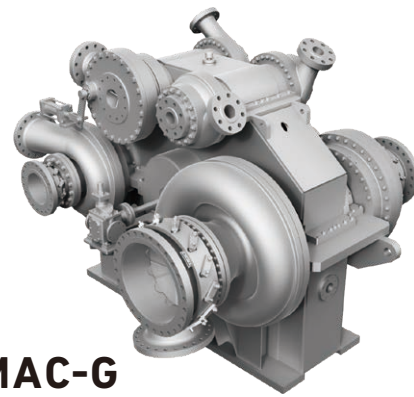


Horizontal split type

MAC



Vertical split type



MAC-G

Compressor features

- ▶ Robust rotor dynamics design
- ▶ Stable superior performance
- ▶ Easy maintenance
- ▶ Reliable long term operation

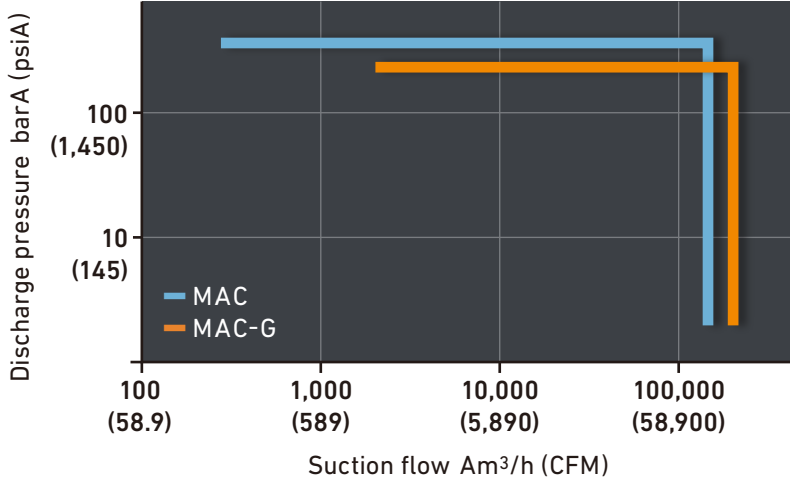
Benefits to our customers

- ▶ High efficiency and low running cost
- ▶ Reliable continuous operation with minimum maintenance downtime
- ▶ Optimized compressor system
- ▶ Quick and excellent after-sales service

Typical Application Range for CCUS

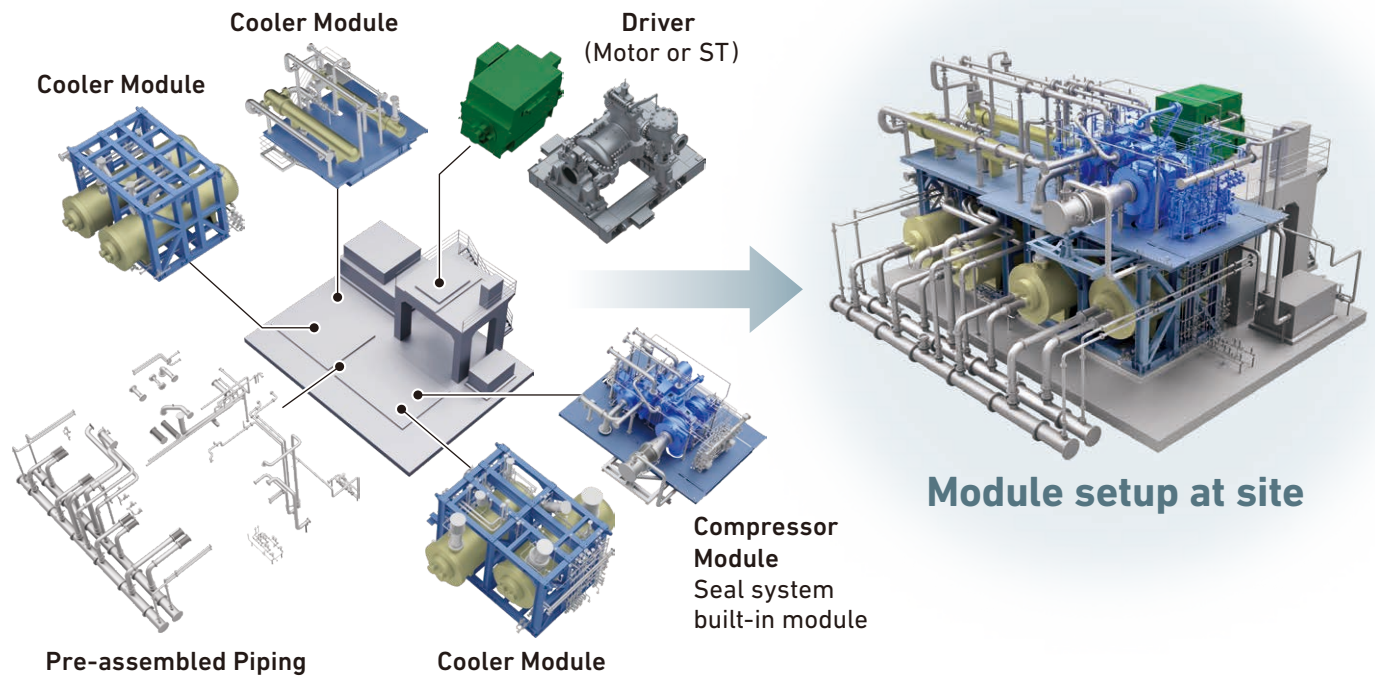
MCO's CO₂ compressors can accommodate volumetric flow ranges from less than 1,000 Am³/h at near atmospheric pressure, up to hundreds of thousands Am³/h at extremely high pressure.

Typical process requirements for CCUS applications are up to 400,000 Am³/h at 200-250 barA discharge.



Modularized Package for MAC-G

- 4-module package design that considers transportation
- Piping inside the module is assembled in the workshop
- Amount of site welding work is minimized



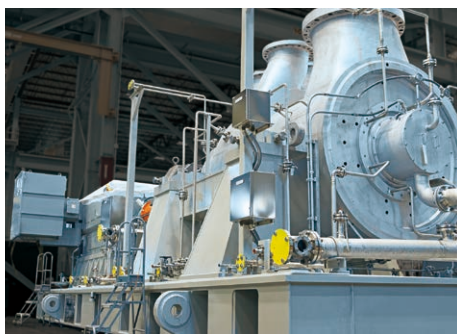
Mitsubishi's Track record for CCUS

MCO provided world's largest class in-line and integrally geared CO₂ compressor for CCUS.

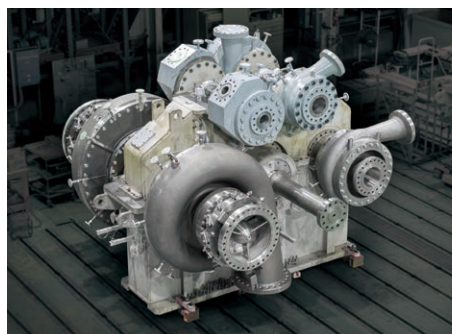
Delivery year	Country	Capacity (metric tons per day)	Compressor type
2003	Algeria	2,200 × 2	MAC
2010	USA	500	MAC
2016	USA	4,800	MAC-G
2024	Canada	3,400	MAC
2024	USA	3,300	MAC
2024	Qatar	4,000 × 2	MAC



World's first post-combustion CO₂ capture demo plant



MAC



MAC-G



World's largest CCUS plant

