Cryogenic Valve for Liquid Natural Gas (LNG)

Why stainless?
- Good mechanical properties at cryogenic temperatures
- Dimensional stability during thermal cycling.

Fabrication process:
Cast body and butterfly. Stem is machined from bar.

Grade:

Manufacturer:
Velan SAS, France (velan.fr).

This valve operates at cryogenic temperatures, in harsh weather conditions.
Dimensional stability is required during cycles ranging from ambient temperature to liquid natural gas temperatures (usually -196°C) to avoid leakage. Perfect reliability is essential.

Images courtesy of Velan SAS, France.