

## Technical Specification for SPRING ENERGISED SEALS

S.No.	Specification	Requirements
1.	Minimum pressure	Vacuum ( $10^{-2}$ mbar level)
2.	Max. temperature	350 K
3.	Min. temperature	70 K (-203 °C)
4.	Required Flange leak tightness	$\leq 1 \times 10^{-6}$ mbar. l/s with GHe
5.	Seal material	Inconel 718 (Jacket + Spring)
6.	Coating (Jacket)	Silver
7.	Seal Groove dimensions	Refer Table-1
8.	Depth of groove	Refer Table-1
9.	Type of joint	Static joint
10.	Working medium	Liquid oxygen / Gaseous oxygen
11.	Maximum working pressure of the seal/joint.	Refer table -1 for MAWP

**Table 1: SPECIFICATION OF SPRING ENERGIZED SEALS**[illegible]

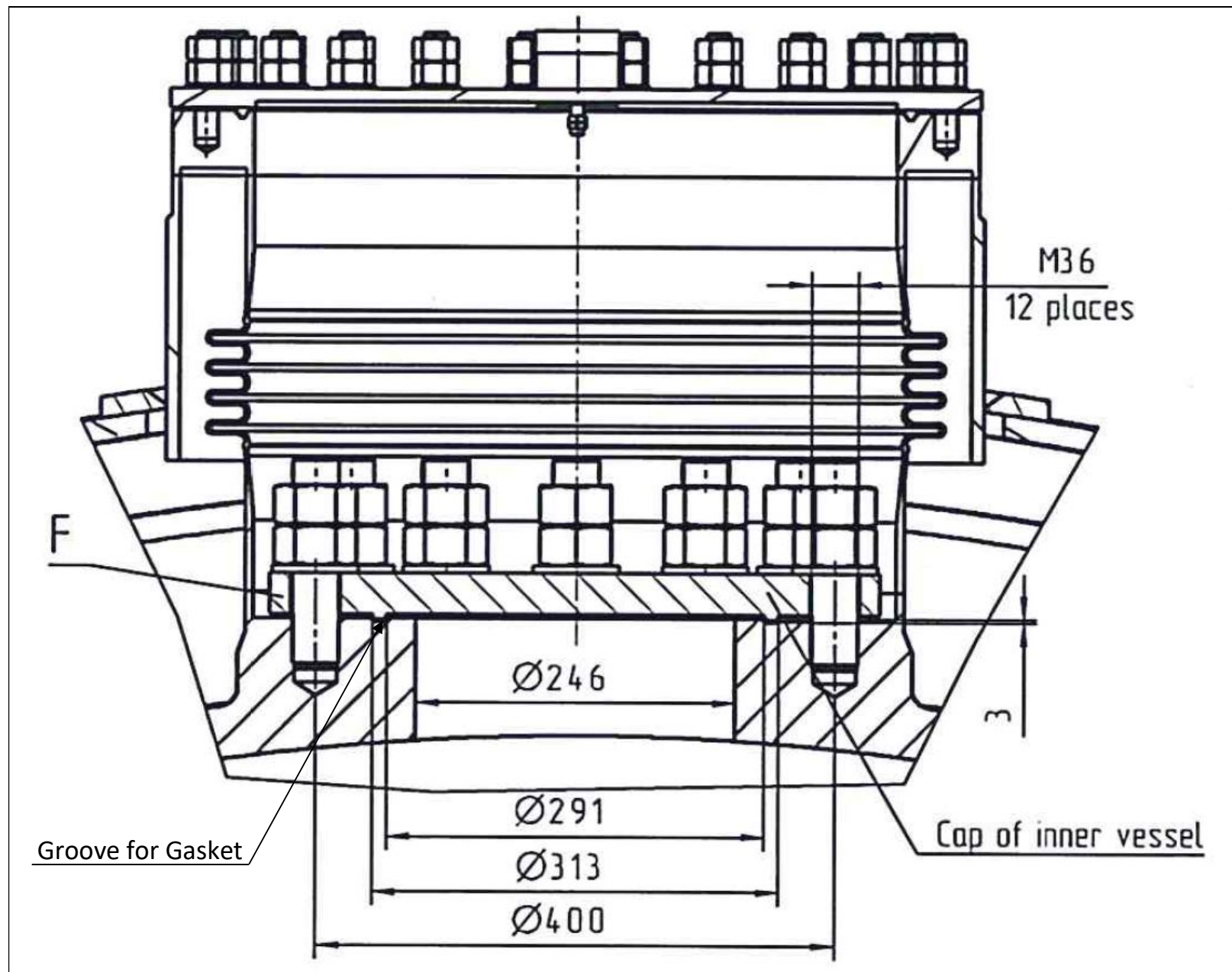


Figure-1