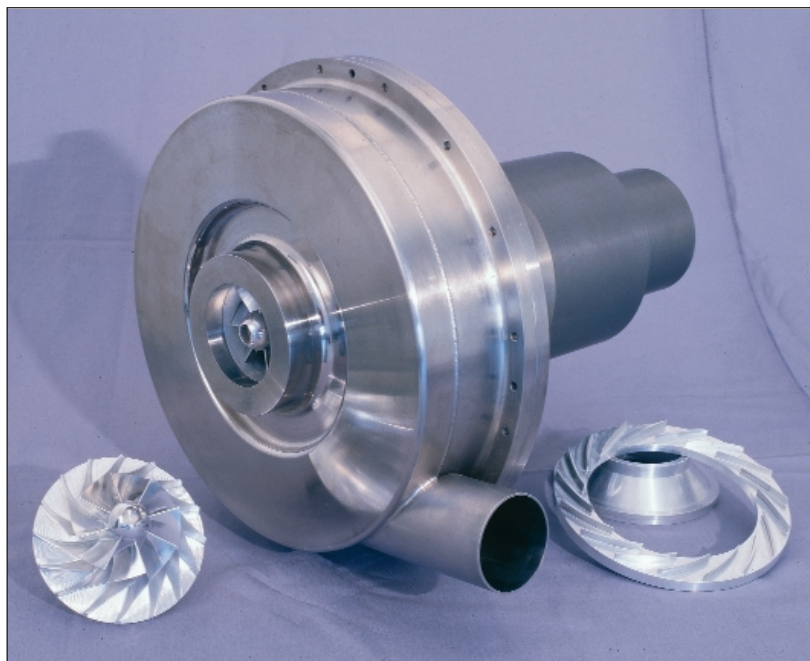


Helium Cold Compressor Unit



Customer:

CERN, European Organisation
for Nuclear Research

Site of plant:

Geneva - Switzerland

Purpose of plant:

An assembly part of cooling system of a LHC
elementar particles accelerator in CERN

Operational Experience:

Testruns succesfully completed in 1995

The cold compressor was developed by
consortium LINDE KRYOTECHNIK Pfungen,
Switzerland, PBS Velká Bíteš and ATEKO
Hradec Králové - Czech Republic

Technical Features:

Helium flow rate	gs ⁻¹	18
Suction pressure	kPa	1
Suction temperature	K	3.5
Compression ratio		3
Total heat inleak	W	39
Total isentropic efficiency	%	64
Maximum speed	rpm	25200
Motor rating	kW	2.1
Compressor wheel diameter	mm	118



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