

Introducing the DNV approved Diver's Gas Reclaim Unit, the LESGAZ Divers Gas Reclaim – currently classed to 300MSW but capable of greater depths.

Through innovative teamwork LexMar Engineering has proven the outstanding capabilities of the LESGAZ Divers Gas Reclaim with the powerful and reliable Hycomp Compressors, chosen for their impressive track record in Helium compression & transfer.

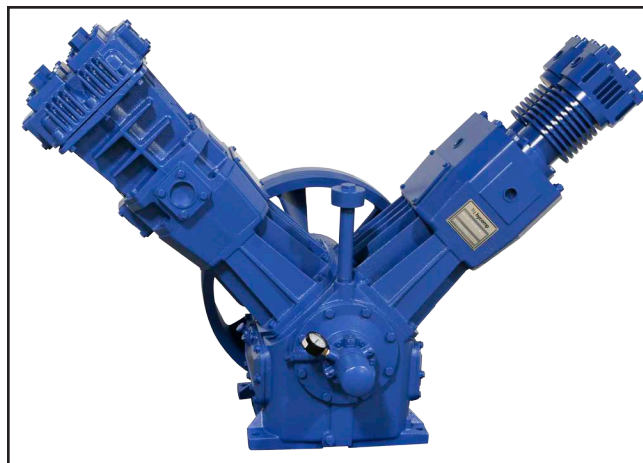
The unit has been tested and approved to meet the DNV requirement of 135LPM for two divers at 300M.

Although the Divers Gas Reclaim has been around for a long time and working well within the Diving Industry, to actually prove its capabilities according to the stringent DNV regulations and meet the required target flow rate of 135LPM at depths ranging from 30MSW to 300MSW was a different challenge altogether.

LexMar's introduction of a PLC for the finite control of the system was one of the many things we put into place to take the Reclaim of Diver's gas to the 21st Century. The compressors were custom built to meet LexMar and DNV specification, easily meeting the Diver's demand requirements with gas to spare.

The system has been designed with low levels of manual maintenance intervention in mind. While not maintenance-free, it is expected to run for extended periods with little or no contribution from the duty dive technician. The PLC is programmed in such a manner that any failure mode and/or stoppage can be identified on the PLC read-out. There are also a series of running and warning indicators c/w audio alarms, which highlight any elementary set-up failure without reference to the PLC.

LexMar Engineering has come a long way and class and classification rules & regulations have certainly made an impact in shaping our company and upgrading our equipment.



Hycomp Built Heliox Compressor Example

Model: 3AN35V1-B401

Gas: Heliox

Suction Pressure: 220 psig

Discharge Pressure: 798 psig

Flow: 197 scfm