



DIVEX

Manufacturers of Quality Diving Equipment



17C Version

ULTRAJEWEL 601 HELIUM RECLAIM HELMET

Diving Mask & Helmet ©Kirby Morgan Dive Systems Inc.



Very efficient gas reclaim



CE Marked



Excellent communications



Can be based on DSI 17B or 17C helmet



Low work of breathing performance well within NPD/HSE guidelines

THE ULTRAJEWEL range of gas reclaim helmets and bandmasks are the most efficient and reliable currently available to the commercial diver. When used with the Gasmizer Helium System, gas consumption is typically reduced by 90% or better.

The combination of the Ultraflow demand valve and the Jewel reclaim valve has been established as the industry standard, but through Divex's policy of continuing development, we have further improved the breathing performance and reliability.

The existing Ultraflow 601 has always been acknowledged as the top performing balanced demand regulator. It uses a specially developed valve seat material combined with very accurate manufacturing process.

The Jewel 601 two stage reclaim valve has also been improved, with a more direct acting open circuit control valve yielding better gas flow characteristics.

Both valves are protected by worldwide patents and can be fitted to other helmets and masks if required.

One of the advantages of the closed-circuit reclaim helmet is the excellent dive communication that is possible as inhalation and exhalation noise is at a minimum and bubble noise is zero.

The breathing system comprises an Ultraflow 601 Demand Regulator and the Jewel 601 Exhaust Regulator.

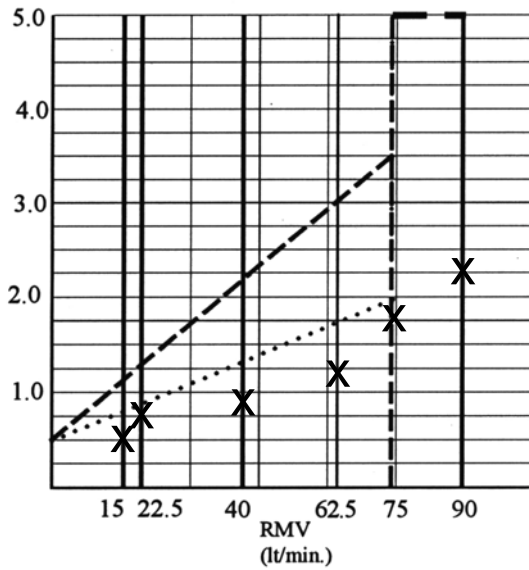
The helmet can be operated in open-circuit mode if required (and indeed does this as a fail-safe). It is changed over to closed-circuit reclaim by the opening of the 1/4 turn valve on the side of the helmet and closing (by a push-turn) the Jewel over pressure exhaust valve.

The Ultrajewel combination has been designed and exhaustively tested to demonstrate compliance with the current NPD Guidelines for the "Evaluation of Breathing Apparatus for use in Manned Underwater Operations in the Petroleum Activities - 1991". As can be seen from the performance charts, the Ultrajewel exceeds the requirements of the NPD criteria across the full range of breathing rates up to 90 RMV and remains well within the recommendations at depths down to 450msw.

All Divex testing is approved by DNV and assures the diver of easy breathing regardless of depth and workrate.

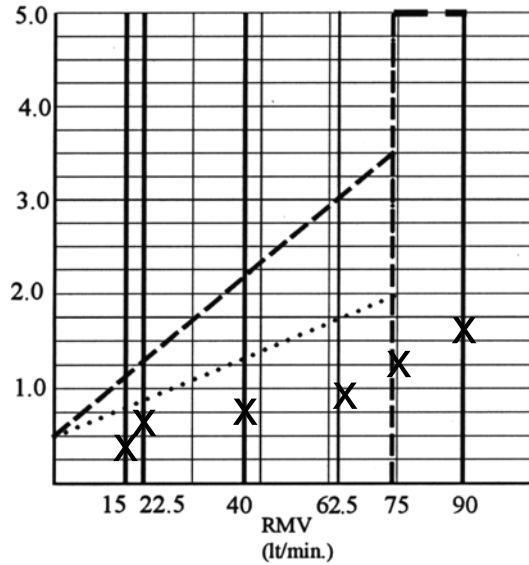
The Divex Management System is approved by Lloyds Register Quality Assurance to BS ISO 9001:1994.

Work of Breathing (Joules/ litre)



OPEN CIRCUIT 360 MSW - 2% H₂O₂

Work of Breathing (Joules/ litre)



GAS RECLAIM 400 MSW - 1.5% HeO₂
(REF: REPORT P2036-T336)



17B Version

ULTRAJEWEL 601 17B HELMET

ORDER CODE A10290

ULTRAJEWEL 601 17C HELMET

ORDER CODE A10170

ULTRAJEWEL 601 SPARES KIT (optional extra)

ORDER CODE C10804

ULTRAJEWEL 601 RECLAIM WHIP

ORDER CODE C1506B

(TO CONNECT HELMET TO No.8 JIC ON
DIVER UMBILICAL)



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