KIRBY MORGAN DIVE SYSTEMS INCORPORATED
MAINTENANCE AND REPAIR
TECHNICIAN TRAINING

- Only selected Dive Lab trained Technicians are authorized to teach the Technicians Course
- Only Dive Lab authorized Technicians may teach the KMDSI Operator/User Course
- Course curriculum must be presented within the guidelines set-up in the repair technician's guide and slide show

- This presentation is available at no charge from www.divelab.com for the use of Kirby Morgan Customers & users of Kirby Morgan Diving Equipment ONLY
- THIS MATERIAL MAY NOT BE CHANGED OR MODIFIED WITHOUT PERMISSION FROM DIVE LAB

All Models of KMDSI Helmets
SIDE BLOCK / DEMAND REGULATOR

- Check/cycle the Steady Flow Valve for proper operation, ensure smooth operation, and strong gas flow from the air train when turned 1/2 turn

- Normally, divers never have to open the Valve more than 1/4 turn.

- Demonstration

All Models of KMDSI Helmets
SIDE BLOCK / DEMAND REGULATOR

- Steady Flow Valve will rotate approximately 1 ¾ revolutions from closed to full open

- With the air pressure adjusted to between 135-150 psig, opening the Steady Flow Valve one-quarter rotation will provide a minimum of 6 acfm flow of gas

- Reach inside the Helmet, to check for a strong flow of gas through the gas train

All Models of KMDSI Helmets
SIDE BLOCK / DEMAND REGULATOR

- Secure the gas supply, bleed down and remove the gas supply from the Inlet Adapter

- With the emergency gas (EGS) Valve shut, attach a regulated gas supply (normally the EGS System), adjusted 135-150 psig, to the EGS Valve on the Side Block and then slowly open the Emergency Valve

All Models of KMDSI Helmets
SIDE BLOCK / DEMAND REGULATOR

- Back out counterclockwise on the Regulator Adjustment Knob until a slight free flow develops, then turn in until the free flow stops

- Depress the Purge Button and check for a strong purge then momentarily crack open the Steady Flow Valve and insure a strong surge of gas

All Models of KMDSI Helmets
SIDE BLOCK / DEMAND REGULATOR

- Check to ensure there is no gas escaping from the open umbilical adapter on the one- way Valve

- If any leakage is found, the one way Valve should be overhauled or replaced

All Models of KMDSI Helmets
SIDE BLOCK / DEMAND REGULATOR

- If all function checks are satisfactory side-block and regulator are ready for umbilical connections

Questions

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