



M-48 MOD-1

User/Operator Course

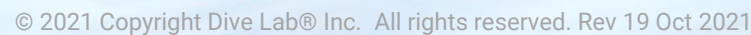
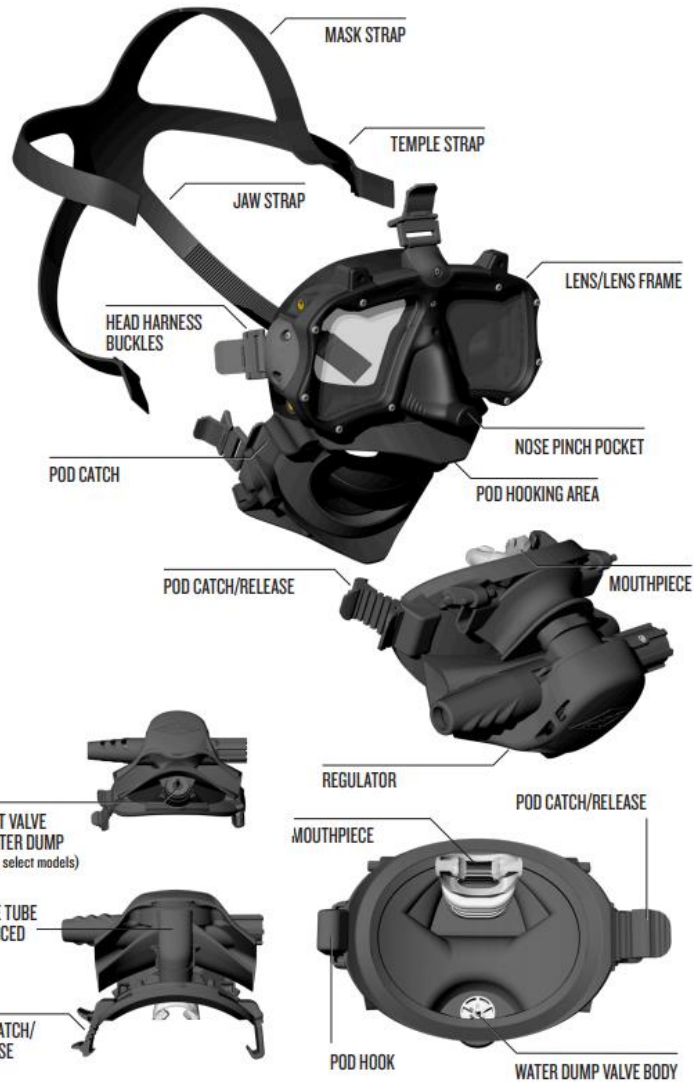




FEATURES



- **Designed for:**
 - Open Circuit SCUBA
 - Closed/Semi Closed SCUBA
 - Demand Mode Surfaced Supplied Diving
- **Pod system allows:**
 - Diver Communications
 - Alternate Gas switching from any demand regulator
 - Gas Sharing and buddy breathing between divers





SCUBA POD WITH KM BALANCED REGULATOR



- Part # 200-130
- Standard Pod with KM balanced second stage regulator





SCUBA POD WITH TILT TO PURGE



- Can be paired with most second stage regulators
- Requires a regulator with a mouthpiece tube that has a single lip





REBREATHER POD WITH SWITCHOVER REGULATOR



- Part #805-802
- Quarter-turn valve allows switching between closed and open circuit SCUBA
- Kirby Morgan Balanced Second Stage Regulator with adjustment knob



Primary used by Military and Technical Divers



MOUNTING REGULATOR TO SCUBA POD & PULL TEST

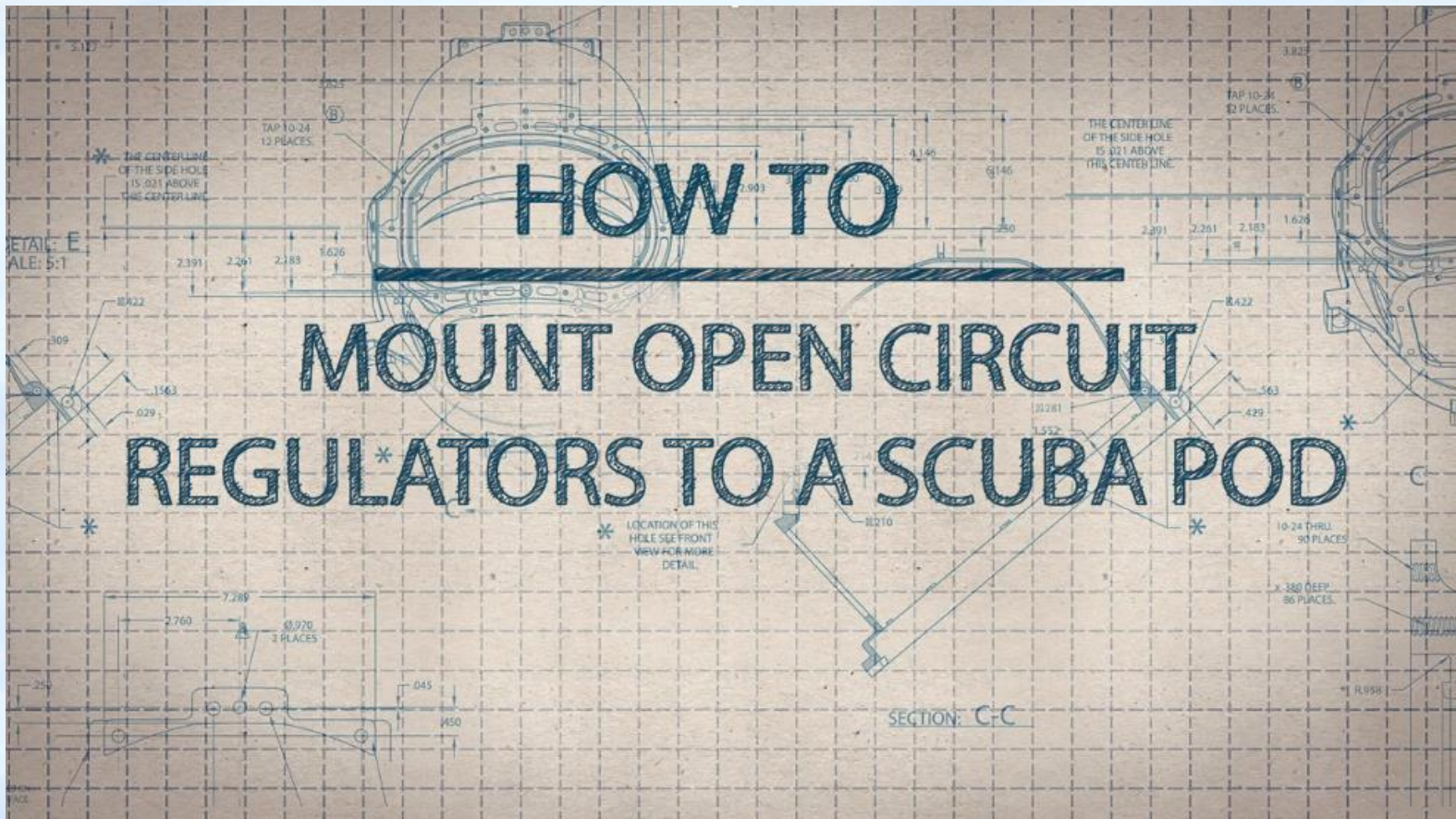


Click link below to play video:

<https://www.youtube.com/watch?v=cPXJ-VueVyo>

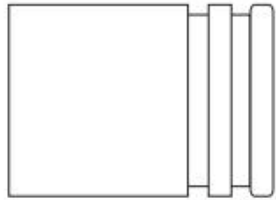
⚠ WARNING

Not all SCUBA regulators/BOV'S/DSV's will fit the M-48 standard SCUBA pod. The size of the mouthpiece mounting tube as well as the placement and size of the exhaust tee can affect the mounting and proper functioning of the mouthpiece and folding action on the pod bellows.

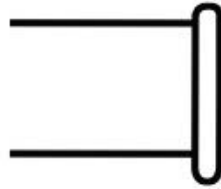


MOUNTING REGULATOR TO SCUBA POD

Other regulators can be used provided they meet guidelines shown below



This type **NOT**
acceptable



This type
OK



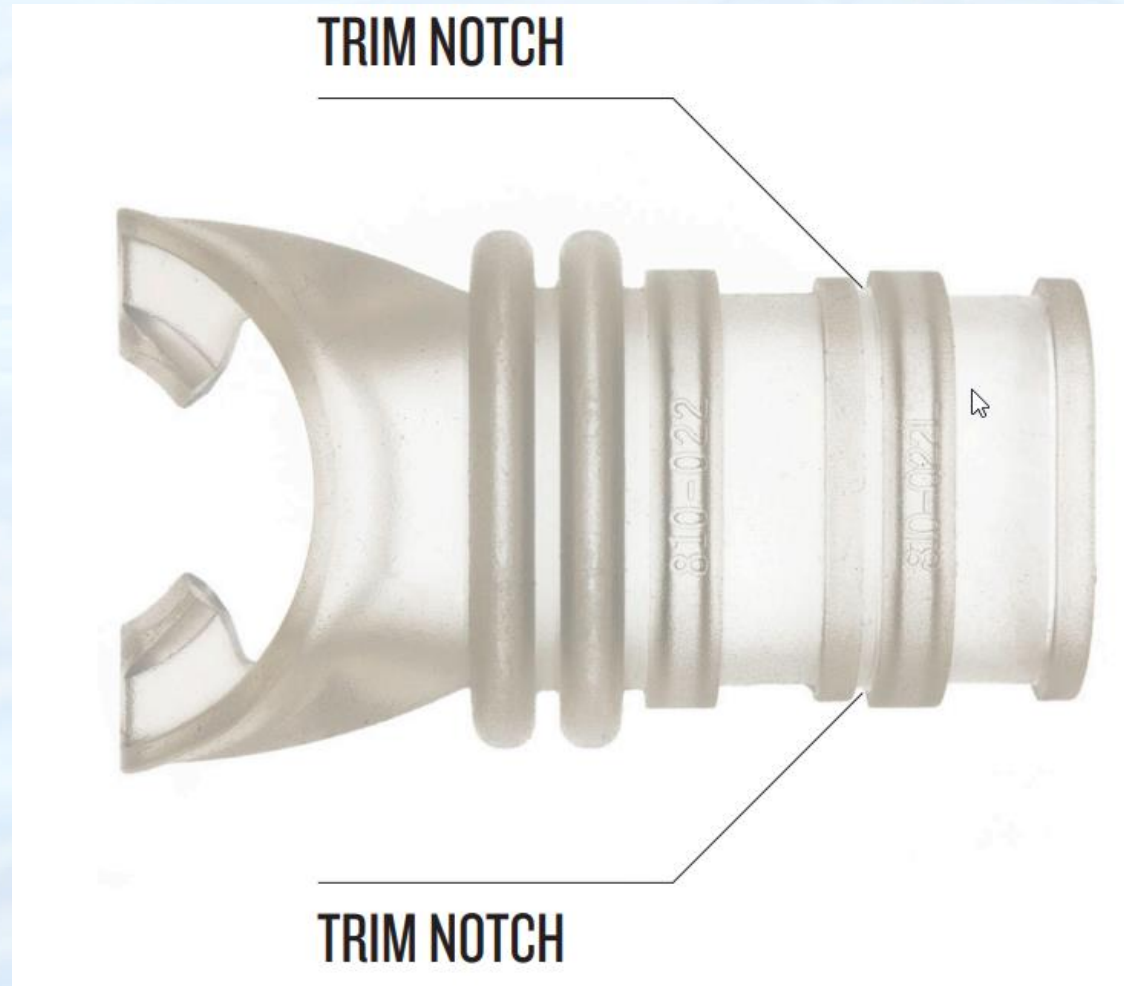
*The mouthpiece mount tube
must have sufficient surface
area to retain the mouthpiece to
the tube.*



KIRBY MORGAN MOUTH PIECE



- **Must** be used with the M-48 MOD-1 SCUBA PODS
- Can be trimmed for diver comfort and ease of use



INSTALLING KM MOUTHPIECE INTO POD

- Insert mouth piece into pod first
- Ensure mouthpiece is aligned evenly with the tube on the POD
- Ensure correct alignment of the mouth piece on the inside (diver side) of the POD
- Do not stretch the pod mouthpiece opening greater than 50%.



Correct



INCORRECT

*Insert the mouthpiece
into the pod first.*



*The end of the mouthpiece
must align evenly with the
end of the mouthpiece
tube on the pod.*

Mounting Regulator to SCUBA POD



Use only a KMDSI tie wrap with a minimum pull rating of 50 lbs.

Tighten the tie wrap properly using a tie wrap gun to achieve the correct tension. If a tie-wrap gun is not available, use needle nose pliers to twist and tighten.



Surfaced Supplied Diving

- M-48 MOD-1 can be used for surfaced supplied diving
- KM Manifold block (PN 300-145, 300-150, or 300-155) must be used for diver safety
- Do not use without proper surfaced supplied training



Surfaced Supplied Diving

The three part numbers are for different umbilical adapters fittings on the non-return valve

- KM Manifold block (PN 300-145, 300-150, or 300-155)

WARNING

If the mask is used for surface supplied diving, do not connect the umbilical directly to the M-48 SCUBA pod regulator. This can create a direct pull on the mask and pod and does not allow for use of a one-way valve and EGS supply. Always connect the umbilical to a one-way valve on a manifold block assembly, which then can be properly secured to the diving harness. KMDSI Manifold Block P/N 300-145, 300-150, or 300-155 is appropriate for this purpose. Use of the manifold block requires surface supplied training.

Without the proper equipment for surface supply, the risks are many and can include: severe face squeeze, loss of mask, separation from air hose/umbilical, all of which can result in severe injury or death by drowning.



Trimming Face Seal

- MK48 MOD-1 can be ordered with an untrimmed under chin seal and trimmed

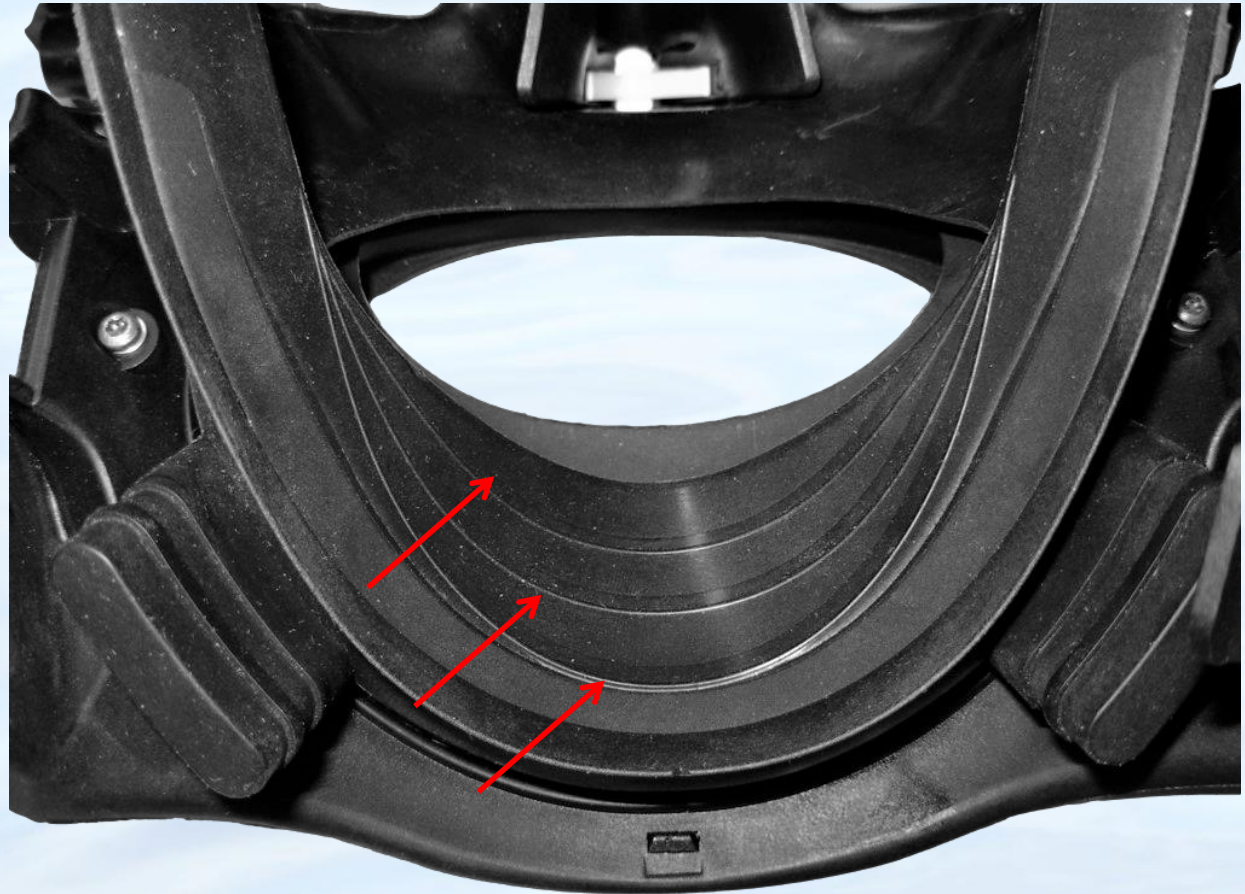


Untrimmed mask skirt, left and standard (trimmed) mask skirt, right.



Trimming Face Seal

- Trim lines for face seal
- Trimmed to fit different sized faces
- Use sharp scissors
- Trim one line at a time, test fit in between each cut
- Refer to user guide for detailed instructions



Installing Comms & Comms plug

- Comms available as an option for the M48
- Minor modification done by owner required to install comms
- Refer to Kirby Morgan manuals and user guides for the M-48 for additional instructions.
- Video instructions available on KMDSI website



Neoprene Hood



Optional hood available for M-48 MOD-1

Installing Neoprene Hood



Detailed instructions included with KM hood kit (instructional video on KMDSI website)



Installing Neoprene Hood

- Fully assembled hood incorporated into mask
- Excellent option for cold water diving
- Hoods that are permanently attached to dry suits can still be used





Second Stage Regulator Selection



**Bulletin #9 of 2014. August 25, 2014
(UPDATED January 27, 2016)**

Caution Bulletin

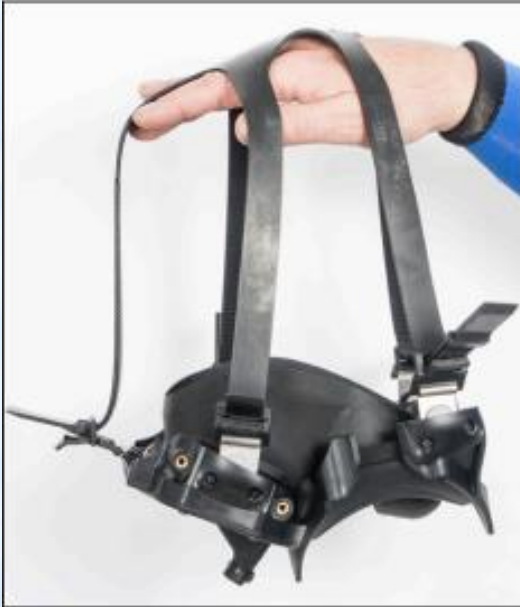
**Regarding Second Stages Used with
M-48 SuperMask® (P/N 800-048) and M-48 MOD-1 (P/N 800-150)**

⚠ WARNING

Testing conditions of the M-48 SuperMask® and MOD-1 masks using pilot assisted, or servo regulators, were found to exhibit higher levels of internal mask pressures when applying the purge button feature. These levels were above the allowable limit. This should be taken into consideration when choosing a second stage regulator for use with either mask.

Donning the Mask

Loosen all straps



Place on face



Tighten temple
straps first and
the alternate
between temple
and jaw straps





Attaching Pod to Mask

WARNING

It is highly recommended that all donning, doffing, pod removal, and replacement procedures be practiced on the surface in a dry environment, regularly and often, before attempting the same procedures in the water. Lack of familiarity with these procedures, should they become necessary while in the water, can lead to an accident, resulting in severe injury or death.

Practicing the correct procedure to gain confidence before diving will ensure diver safety and comfort while using the M-48

Attaching Pod to Mask



- Connect pod hook to fastener on left side of mask

- Swing pod to the right towards the pod catch
- Ensure pod clicks into the second tooth of the pod catch



Attaching Pod to Mask



Thumb and index finger
method of connecting to pod
catch

Fingers and palm method
of connecting to pod catch



Release Pod from Mask

- Squeeze front and back of the pod catch simultaneously
- Swing pod forward and to the left to release it from the mask



Practice, Practice, Practice!

Mask Clearing and Dewatering

- To clear water from the upper eye section clear the mask in the same procedure as you typically would in any SCUBA mask while in the upright position
- Water will leave the upper portion of the mask to the lower cavity and will be expelled through the dewatering valve





Post Dive Procedures

- Post dive procedures are the same for all SCUBA related equipment
- Wash with soap and water if needed
- Thoroughly rinse with fresh water
- Allow to dry
- Properly store
- Refer to user guide for detailed instructions



Safety Recommendation



Kirby Morgan recommends that all users make at least a 30 minute indoctrination dive prior to open water diving the M-48 MOD-1





Questions?

