



Differences between Pelagian DCCCR MK1 and MK2

1. Pelagian DCCCR MK2 has purpose designed 1st stages in black chrome with 3 LP ports on the turret positioned as close as possible, (45 degree apart), and one LP port on the top of the turret for BOV feed from diver's right side. This allows ideal hose routing without using swivels. The HP seat is also redesigned for higher reliability. Brass DIN hand wheel instead of plastic. The flow characteristics of all LP ports are now equal or better than the single High Performance LP port of a Scubapro membrane MK 17 regulator.
2. The Omni swivel connection for the ADV is replaced by a fixed 90 degree bend in black chrome. This eliminates the high wear dynamic o-ring from the Omni swivel.
3. The O2 inlet port to the head is now a black chrome LP fitting with screw thread instead of the old style BC inflator nipple. The main reason is that some divers reported the O2 feed hose self-disconnecting after transporting the unit due to the scrubber rotating. Another benefit is that Surface O2 calibration using the needle valve hooked to the ADV port turns the head into a calibration kit.
4. DSV/BOV with larger inner bore and optimized flow path.
5. Larger bore loop hoses. The MK1 hose has an ID of 31 mm and MK2 hoses are 36,5 mm. The new hoses are injection molded which makes them much more consistent than the old manually extruded hoses. Each cuff has a retention lip. The loop hose wall thickness of the MK1 was 1.7 mm. The new hose is 2 mm giving increased durability.
6. Large bore T-pieces and bulk head fittings. These T-pieces have the largest counter lung bore of all T-pieces on the market. The 90 degree flow path is contour cut rather than a sharp "brick wall" 90 angle which reduces flow restriction. Due to the large bore, there is now also a dividing wall on the inhalation T-piece which helps preventing a caustic cocktail after flooding.
7. New counter lungs. The MK2 lungs are the same in length as the old MK1 medium size, but as we now use a wider PU inner bag the capacity is 4,2 L per lung where the old M size was 2,7 L per lung due to the limited width of the rubber bag. This reduces breathing resistance and makes it easier to reach the dump valve compared to the old L size.
8. New X-plate with additional webbing slots. It is now possible to remove the scrubber for repacking without un-clamping the cylinders. The cam bands are not sewn to the plate which makes it easier to replace them if needed. There is also a small tab on the bottom of the plate and a matching recess in the bottom plug. This allows the scrubber to rest properly oriented without the need to clamp it tight. Upward motion is restricted by the lower thumb screws, just like with the old X-plate.
9. Short LP hoses with black chrome fittings crimped in-house. This means the unit comes with perfect length hoses as standard placing the O2 block (and optional ADV block) just under the top D-rings.

10. O2 1st stage OPV is now made with a modified and more durable seat in Teflon besides being chrome plated in black.

11. Pelagian DCCCR Kits delivered in 2013 comes with custom designed three bar slides with wider slots to make removal of counter lungs easier.

12. Pelagian DCCCR delivered in 2013 comes with the PO2 Display on a stainless steel bungee mounted wrist bracket.
