

Notice of OPC-M1/M2 Oxygen delivery schedule

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To whom this may concern,

The first and original oxygen delivery schedule for the OPC-M1 unit was set by the testing performed at USAARL in Fort Rucker, Alabama. The resulting PaO₂ target was set to a pressure altitude of 8,000 ft. This was also the trip-point for the PPC unit to start responding to breathing while in the ON mode. This was acceptable to the USAARL flight doctors considering the mission the OPC unit needed to perform at the time of testing.

Other organizations have since deemed it too lean (insufficient) for their needs and have reported this issue back to their point of contact where MHO was then made aware of this. We since realised the need to have the OPC units be capable of accommodating these other needs.

With this, the OPC-M2 can have the target PaO₂ custom set to what is required for a specific need without reprogramming the firmware for requalification. The OPC-M2 units can be custom ordered to any desired target PaO₂. OPC-M2 units already fielded will need to be sent to MHO for readjustment. The original OPC-M1 had this hard fixed into the coding and can't have it customized. The lower the target PaO₂ (more oxygen per breath), the less time a given full cylinder of O₂ will last.

Please reply if more details are needed.

Sincerely,
Patrick L. McLaughlin
Director of Engineering of MH Oxygen Systems