

REGULATOR

EPIC 82X PVD (416247) / EPIC OCTOPUS (416550)

Description

EPIC	All-metal (nickel and chrome plated brass with PVD coating) second stage	Pneumatically assisted downstream valve
Weight (without hose)	329g / 11.5oz	
Hose length	75cm / 29.5 inches	
82X	All-metal (nickel and chrome plated brass with PVD coating) first stage	Balanced diaphragm mechanism
Static intermediate pressure (0-300bar/4350psi supply pressure)	9.8-10.2bar / 142-148psi	
High pressure ports	2 (7/16" UNF)	
Low pressure ports	5 (3/8" UNF)	
Weight	DIN: 790g / 28oz	INT: 964g / 34oz

FLOW CONTROL (TWINPOWER) - PATENT PENDING

The Epic second stage comes with a flow control at the junction between the hose and the second stage. The flow control works like a motorcycle throttle and has two positions, VAD and VAD+. In the VAD+ position, Epic delivers unbridled performance in a very smooth and natural way. The VAD position on the other hand chokes the flow ever so slightly, for a more on-demand breathing experience. The regulator is compliant with the EN250:2014 norm in both positions.

NOTE:

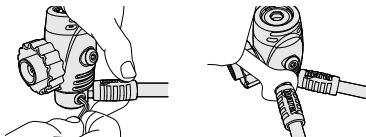
Although the performance of the second stage has been optimized in the two predefined positions of the control, it complies with EN250:2014 even if inadvertently set to an intermediate position.

BREATHING RESISTANCE ADJUSTMENT

Epic features a breathing resistance control knob on the left side of the regulator. Optimum performance is delivered when the knob is turned all the way out (counterclockwise when looking at the knob). For specific situations in which you require a higher breathing resistance, turn the knob clockwise to add compression to the spring acting on the demand valve.

OCTOPUS ASSEMBLY

Use a 4mm allen wrench to remove the LP port plug on the first stage adjacent to the hose of the primary second stage, then screw the loose end of the octopus hose into the open port and tighten by hand using a 14mm wrench without using excessive force.



LIST OF APPROVED AUXILIARY EMERGENCY BREATHING SYSTEMS (OCTOPUS)

The following auxiliary emergency breathing systems are authorized for use in compliance with EN250:2014.

Name	Part Number	Name	Part Number	Name	Part Number	Name	Part Number
Fusion	416544	Ultra ADJ / ULTRA	416553/54	Dual ADJ/ DUAL	416555/56	Abyss Navy	416546
Epic	416550	Abyss	416504	Loop	416548	Rover	416505

LIST OF APPROVED ACCESSORIES (TO BE INSTALLED ONLY BY A QUALIFIED TECHNICIAN AT A MARES LAB SERVICE CENTER).

The following are approved accessories which can be used in conjunction with the Mares Epic 82X regulator:

- Long hose (46200984 - black, 46200986 - yellow): a 2.1m long low pressure hose for technical diving or other purposes.
- Cold water kit (416859): for increased cold-water resistance.
- Twin balanced piston dry kit (416860): for increased cold-water resistance.



Salita Bonsen, 4 - 16035 Rapallo - ITALY
Tel. +39 01852011 - Fax +39 0185201470
www.mares.com

