

REGULATOR

AQUA LUNG CORE & AQUA LUNG CORE SUPREME

RELEASE DATE: JANUARY 2015



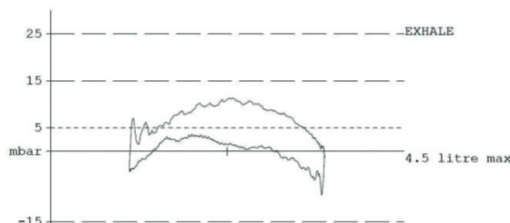
Supreme version



Breathing Performance

Optimal breathing work $W = 0.84$ J/Litre, with a 62.5 l/min (2.21 cubic feet/min) breathing cycle, at a depth of 50 m (164 ft) and with 50 bar working pressure.

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 50,3 msw (165,0 fsw)



FEATURES

1st stage

1 st stage technology	Diaphragm, balanced
Mechanism	T-shaped
Wet/dry chamber	Wet chamber Dry chamber on Supreme version
Maximum working pressure	300 bar on DIN version 232 bar on yoke version
ACD system	Yes
Number of HP ports	2 (7/16" UNF)
Number of MP ports	4 (3/8" UNF)
Average pressure	9,5 bar \pm 0,5 bar 8,5 bar \pm 0,5 bar for Supreme version
Airflow (surface, hose)	1450 l/min (51,2 cubic feet/min) with HP = 200 bar
Body	Brass with multi-layer chrome
Body protection	Polyurethane
Insert seat, spring	Stainless steel
Conical filter	Nickel-plated bronze
O-Rings	EPDM

2nd stage

2 nd stage technology	Balanced
Mechanism	Downstream valve
Cracking effort	2,5 à 3,5 mbar 3,3 à 4,3 mbar for Supreme version
Venturi effect adjustment	Yes
Housing, exhaust diffuser, venturi switch	ABS-PC
Cover	Polyurethane
Mouthpiece, exhaust valve, diaphragm, valve, lip shield (Supreme version)	Silicone
Adjustable seat	Nickel-plated bronze

Weight

	In grams	In pounds
Yoke	1045	2,30
DIN	815	1,80
HP Yoke	720	1,59
HP DIN	490	1,08
LP	180	0,40
Supreme Yoke	1105	2,44
Supreme DIN	875	1,93
Supreme HP Yoke	755	1,67
Supreme HP DIN	525	1,16
Supreme LP	200	0,44
Octopus	360	0,79

Hose

Thermoplastic hose
Length: black = 730 mm (2,39 ft), yellow = 1 m (3,28 ft)

Certification

Certification EN250A for water > 10°C (50°F)
(Aqua Lung Core version)
Certification EN250A for cold water (< 10°C (50°F))
(Aqua Lung Core Supreme version)

Nitrox Compatibility

40 % O2 max. for yoke version or DIN outside UE

Contents

Regulator box	Core + instructions
Regulator pack box	Core + Octopus + instructions
Two regulator pack box	Core + Partner + instructions
Octopus box	Octopus + instructions

Packaging

	In centimetres (l x h x p)	In inches (l x h x p)
Regulator box	35 x 9,5 x 18	13,8 x 3,5 x 7,1
Regulator pack box	35 x 11 x 23,5	13,8 x 4,3 x 9,0
Two regulators pack box	35 x 11 x 23,5	13,8 x 4,3 x 9,0
Octopus box	18,5 x 9,5 x 18	7,1 x 3,5 x 7,1

PRODUCT BENEFITS

1st stage

ACD

Patented ACD System preventing the internal mechanism of the regulator against water and particles entering the internal mechanism of the regulator.

Polyurethane protection

Protects metal parts from impacts.

MP and HP ports

MP and HP ports perfectly positioned enabling ideal orientation of the hoses.

Open yoke knob

Avoids water retention.

Supreme version

One-piece heat exchanger

Heat exchanger helps cold extraction (patented system).

2nd stage

Comfobite mouthpiece

Mouthpiece with bridge that fits across the upper palate (patented system): reduces jaw fatigue.

Removable and reusable collar

Change mouthpieces quickly without any tools required.

Venturi effect adjustment switch

Ergonomic, efficient and progressive: reduces any free flow at the surface

Polyurethane cover

Highly resistant to abrasion and ripping, easy regulator purging.

Reinforced housing

Side-mounted vents

Avoid free flow in strong currents, optimized vent geometry to reduce the effort required when inhaling.

Exhaust diffuser

Removable and replaceable exhaust diffuser without special tools required: easier maintenance.

Exhaust diffuser in the mouthpiece tube

- Ensures even airflow in the mouthpiece during the inhaling phase.
- Two-material exhaust diffuser reduces its thickness and reduces the efforts needed to exhale.

PRODUCT REFERENCES, ACCESSORIES & KITS

Core	129900	EAN	3661666310673	Core Supreme HP	129925	EAN	3661666335614
		UPC	888183164098			UPC	888183188773
Core DIN	129910	EAN	3661666310680	Core Supreme DIN HP	129935	EAN	3661666335621
		UPC	888183164104			UPC	888183188780
Core Supreme	129920	EAN	3661666310697	Core Supreme LP	129955	EAN	3661666335638
		UPC	888183164111			UPC	888183188797
Core Supreme DIN	129930	EAN	3661666310703	3/8" 0.70m MP black hose with 2 exhaust diffusers	124567	EAN	3661666008563
		UPC	888183164128	3/8" 1m MP yellow hose		124566	EAN
Core Octopus	129940	EAN	3661666310710	Balanced HP diaphragm maintenance kit	128016		EAN
		UPC	888183164135			UPC	888183197973
4 Core Octopus box	129965	EAN	3661666335577	Balanced LP maintenance kit	128019	EAN	3661666345064
		UPC	888183188735			UPC	888183198000
Core Partner Supreme DIN	129960	EAN	3661666335560	Core Yoke/DIN conversion kit	129946	EAN	3661666350495
		UPC	888183188728			UPC	888183203162
Pack (Core + Octopus)	129970	EAN	3661666335584	Core dry chamber conversion kit	129945	EAN	3661666344869
		UPC	888183188742			UPC	888183197805
Pack (Core DIN + Octopus)	129975	EAN	3661666335591				
		UPC	888183188759				
Pack (Core Supreme DIN + Core Partner Supreme DIN)	129980	EAN	3661666335607				
		UPC	888183188766				