

:: REGULATOR



WHEELS AND KNOBS ABSOLUTELY FORBIDDEN

Welcome, new Poseidon divers. Here at POSEIDON we are very pleased that you have chosen one of the world's foremost diving regulators. POSEIDON has been developing regulators for divers since 1958. Professional divers, military divers, and techdivers choose POSEIDON equipment because of the high demands they place on our products - the same demands you have!

Your new regulator has been designed to provide you with a life time of pleasure as a POSEIDON diver.

You can always recognize Poseidon regulators as they are simple to use and easy to breathe, when you enter the right element. You don't have to worry about wheels and knobs and you don't have to change airflow or inhalation resistance. Function and performance are always automatically optimized so you can experience the ultimate dive.

All our regulators direct the exhaled air to the side so your vision is not disturbed by bubbles. The regulator is non-keyed and can be used from both right and left side, regardless of position in the water. To every regulator there is a corresponding octopus with a 90 cm (35 inch) hose, with the same reliable performance and function as the main second stage.

Our objective is that the equipment you are wearing should not be noticeable, instead it should be at one with the experience and give you total freedom to achieve what every diver dreams about, the ultimate dive. To be at one with the water. To have full control and at the same time feel the weightlessness when, meter by meter you descent into a world of your own.

Nothing shall disturb your concentration. No wheels or levers that need adjusting. No regulators that resist your breathing when you have reached your target depth. No suits that limit your freedom of movement or get damaged at the slightest encounter.

This vision has accompanied Poseidon since the legendary diving enthusiast and engineer, Ingvar Elfström started the company in the late 50's. The same ideas motivate us now.

The name Poseidon represents constant development and improvement of diving equipment where everything is positioned correctly and everything functions, even in the most extreme situations.

Products developed in cold Scandinavian waters that are among the toughest you can dive in. If they work here, they will work anywhere. Poseidon's devoted followers are convincing proof of that. Thank you for your confidence.

Yours faithfully



APPROVALS/CERTIFICATIONS



Cyklon, Jetstream and Jetstream PP regulators are approved according to the EU Directive for Personal Protective Equipment, 89/686/EEC and meets or exceeds the requirements of EN 250:2000 for cold water diving.

Type approval certificate no 95599S01 is issued by Finnish Institute of Occupational Health, Department of Physics (FIOH), Laajaniityntie 1, FIN - 01620 Vantaa. Notified body number 0403

Production quality assessment according to article 11 B of 89/686/EEC is assessed by SGS YICS Ltd., Portland Road, East Grinstead, RH19 4ET, England.

Poseidon Industri AB is certified according to ISO 9001





GENERAL SAFETY REGULATIONS

WARNING!

Diving is a strenuous physical activity. Its difficulty may be increased by conditions such as cold water, poor visibility, hard work, and increased depth. Always try to exercise prudent judgement when determining whether or not to dive. Never dive when tired or in poor health.

WARNING!

All use of diving equipment should be carried out by certified divers, or those in a diver training program under the direct supervision of an instructor and the equipment should be used within the parameters established by the training program.

WARNING!

Diving deeper than 50 meters exceeds the limitations of EN250 approval.

HOW TO USE



USE

When opening the cylinder valve, do not direct the stream of air at anyone. It can cause serious injury. Always exercise caution with diving equipment.

Jetstream PP, Jetstream and Cyklon can be used in all sea water temperatures without modifications. In water temperatures below +6°C POSEIDON anti-freeze cap is recommended to be used in order to avoid the build up of ice in the spring-chamber of the first stage. The anti-freeze cap must be completely filled with pure alcohol or a mixture of glycol and water in equal portions.

Jetstream PP, Jetstream and Cyklon should always be used in combination with either a pressure gauge, a reserve cylinder valve, or some other active safety equipment which indicates how much air remains in the tanks.





ASSEMBLY AND PREPARATION

The procedure described below only describes the manner in which the regulator is assembled, and does not replace all of the various procedures you have learned in your diving training program.

- 1) Carefully open the cylinder valve, using air flow to clear the outlet, then close the valve.
- 2) Remove the protective cap on the first stage.
- 3) Check that the O-ring on the regulator's connection is intact and mount the regulator on the cylinder valve. Turn the DIN-wheel/yoke-knob until you feel that the regulator is securely fastened.
- 4) Slowly open the cylinder valve all the way, then turn the knob back one-half turn. Jetstream and Jetstream PP will vent max 3 liter of gas from the 2nd stage before the servo mechanism engages.
- 5) Press a few times on the purge button on the second stage so as to blow out possible debris.
- 6) Check the pressure gauge to see that the tank is full.
- 7) Test breathe through the regulator and the octopus. If the air smells or tastes bad do not dive with it.

You are now ready to dive with the regulator.

DIVING

What is most distinctive about the Jetstream PP, Jetstream and Cyklon is that they are easy to use – there aren't any valves or switches to change the flow of air, breathing resistance, etc. You can leave the function and performance of the regulator in our hands and concentrate on what you want to do - dive. Jetstream PP, Jetstream and Cyklon allows for ease of breathing and supplies air in a reliable manner.



Jetstream (USA=Odin) is fitted with a switch with + and - positions. Since this regulator has extremely low inhalation resistance and high air flow, it can permit air to flow freely when not held in the mouth. During diving and long-term storage, the switch should always be set to the + position. In Octopus use (extra second stage valve) or for surface swimming, where you are not holding the 2nd stage in your mouth, the switch should be in the - position.

Jetstream PP is fitted with the same +/- switch as Jetstream is. During diving the switch should always be in the + position in order for the regulator to supply positive pressure into the Full Face Mask.

Keep the switch in - position during donning and regulator pressurizing to prevent the regulator from free flowing.



AFTER DIVING AND DISASSEMBLY



The regulator should always be rinsed while it is still mounted on the tank. The regulator should be under pressure, otherwise water can enter either the first or the second stage and cause the build up of ice during your next dive!

- 1) The regulator should be rinsed in fresh water after every dive so as to avoid salt crystal formation around the functional parts.
- 2) Blow the equipment dry by using air pressure. Use POSEIDON blowgun.
- 3) After rinsing, close the cylinder valve and purge the regulator.
- 4) Unscrew the regulator from the tank and mount the protective cap onto the connection.
- 5) Pack and store your regulator in your regulator bag. This protects the regulator from damage. It is especially important to protect the connection areas.

The regulator should not be stored in direct sunlight and/or at high temperatures.

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MAINTENANCE



After every dive the equipment should be cleaned according to the instructions in "After diving and disassembly."

The regulator does not have to be lubricated beyond what is done by POSEIDON.

WARNING!

Do not use cleaning chemicals of any kind to clean the regulator. Neither may silicone or any other lubricant be poured or sprayed into the regulator.

WARNING!

Interstage pressure (IP) and safety valve opening pressure is preset by POSEIDON and readjustment is prohibited. Readjustment of IP will never boost performance.

ACCESSORIES



The use of accessories which have not been recommended can seriously impair the function of your equipment. Pressure-gauge hoses without a restriction in the connection can, if the hose is punctured, allow a powerful jet of air to escape.

Jetstream PP, Jetstream and Cyklon can be combined with the following equipment / accessories:

- * Jetstream/Jetstream PP with Jetstream Octopus
- * Cyklon with Cyklon Octopus
- * All EN 250 designated cylinder valves
- * Yoke clamp
- * Swivel connection 90° 3/8" for Interstage Pressure (IP) hose
- * Banjo connection 90° 7/16" for pressure-gauge hose
- * POSEIDON anti-freeze cap (#1286)
- * All EN250 approved pressure-gauge hoses
- * Pressure gauge and diving computer as long as they are connected with EN250 approved pressure gauge hoses
- * POSEIDON original connections for adaptation of different thread dimensions
- * Suit inflator hose EN 250 approved
- * BCD inflator hose EN 250 approved

BREATHING GAS



Water in the tank is the most common cause of freezing regulators. Jetstream PP, Jetstream and Cyklon should be used with gas according to EN 12021 (Air).

PRODUCT MARKINGS

Jetstream PP, Jetstream, Cyklon and Octopus are marked with CE 0120 and EN 250. The markings show that the product meets or exceeds the requirements of the Personal Protective Equipment Directive 89/686/EEC and the harmonized standard EN 250:2000 for SCUBA equipment.



TECHNICAL DATA

1st Stage	Jetstream/Jetstream PP	Cyklon
Max supply pressure	300bar (4350psi)	
IP @ 300bar	8,5-9bar (123-130psi)	12bar**(174psi)
1st stage connection	G5/8" (DIN 477/5) or Yoke	
Anti-freeze medium	Alcohol or glycol/water 50/50	
IP outlets (4)	UNF 3/8".	
HP outlets (2)	7/16"	
OPV opening pressure	16-20bar (232-290psi)	
2nd Stage		
Inner volume	80ml	60ml
Weight	190g (6,70oz)	200g (7,05oz)
Max flow @ 300bar*	1600 l/min	1050 l/min
Hose		
Max working pressure	35bar (507psi)	
Burst pressure	100bar (1450psi)	
Length	700mm/900mm (27,5"/35,4")	
General		
Total weight	1010g (2,23 lb)	980g (2,16 lb)
O-rings	NBR HITEC®	
Grease	Oxygen-grease Gleitmo 594	
Materials	Chrome-plated Brass, ASA, Stainless Steel, Silicone, EPDM, TPE, TPU, Teflon (PTFE), Peek	

* Figures are nominal, minor individual differences may occur.

** @ 20bar supply pressure

MISCELLANEOUS

SERVICE

ANNUAL SERVICE

It is extremely important for your safety that you keep your equipment in good condition. You need not carry out any other maintenance than described in previous section. The regulator should be serviced annually and this must only be carried out at one of POSEIDON 's authorised service locations. Look for the POSEIDON Authorised Service Center sign.



**”WE INTEND TO CONTINUE TO
PRODUCE DIVING EQUIPMENT AS
LONG AS A SINGLE DROP OF WA-
TER REMAINS IN THE OCEANS”**

POSEIDON DIVING SYSTEMS

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