

TRIGON Pee Valve

User Manual



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SI TECH [®]
INNOVATIVE SAFETY SOLUTIONS – MADE IN SWEDEN

TRIGON Pee Valve

We want to congratulate you on your purchase of the TRIGON Pee Valve, developed and manufactured by SI TECH in Sweden. You are about to mount and use a Low Profile Pee Valve with unique properties. By reading this manual you are only some simple steps away from using it.



The image above shows the components included in the TRIGON Pee Valve set – Item no: 11942

*TRIGON Pee Valve set – Item no: 11940 does not include components; "F" and "G"

Components

- A. TRIGON Pee Valve
- B. Internal Valve Port
- C. Disassembly Tool
- D. Hose - Norprene
- E. On/Off Valve with O-Ring
- F. Blanking Plug
- G. Uridomes, 30 mm

Benefits

- Extremely Low Profile
- No buttons or moving parts
- Fits to both Uridomes and She-P
- Easy maintenance

Important information

The SI TECH Pee Valve is intended for attachment in a Valve Port that is permanently glued to the suit. Recommendations on adhesive types, solvents and installation to the suit material must come from your suit manufacturer or an authorized suit repair facility. The Pee Valve is furnished with a pressure compensation checkvalve inside the internal nut.

Suit preparations

The TRIGON Pee Valve is supplied with an Internal Valve Port, which is the type of Valve Port recommended for the TRIGON Pee Valve. Attach the valve into the suit on the mid/inner section of the thigh. (A Blanking Plug (60340) is required when the Pee Valve is not in use.)

Attach the Pee Valve into the Valve Port with the socket of the attachment nut pointing upwards. The undergarment also needs to be penetrated (i.e. on the thigh) to give way for the hose. To keep the parts on the inside of the suit as low as possible, the attachment nut is designed to be fitted against the Valve Port directly.

Installation of Internal Valve Port

This Valve Port is designed to be installed on the inside of the fabric. Only the flange should be visible on the outside. For installation; go to your suit repair facility for help/guidance or visit www.sitech.se.



Recommendations for External Valve Ports

This text is for Valve Ports that is installed on the outside of the suit fabric (e.g. 60885 or 60895).

No suit material may remain between the attachment nut. The hole in the fabric has to be bigger than usual (a minimum diameter of 55,5 mm). This method of connection must be used. Otherwise, the connection between the valve and the attachment nut will be insufficient or impossible and will not seal properly.



Assembly of hose and uridome

To ease the installation there is a valve with On/Off function between the hose and uridome. Adjust the length of the hose (still allowing you to stretch your legs when swimming). Cut the end perpendicular. The On/Off Valve is supplied with a O-Ring that can be used to secure the Valve in open position during the dive. See images below.



Donning

Relieve yourself before donning the suit. The uridome is put on the same way as a condom. Make sure no hair is snagging in the self adhesive surface. Put on the undergarment as far as the thighs and put the end of the hose through the hole. Gently taping the hose to the body is a good idea. Make sure sharp bends and any potential squeeze of the hose are avoided.

Put on the rest of the undergarment. Don the suit as far as the thighs and attach the hose to the attachment nut socket. Complete donning the suit. Make sure that the On/Off valve that is between the hose and uridome is set on open.

Using

Do not wait too long before relieving yourself. Urinating often is better. To minimize the pressure difference, maintain a horizontal position while urinating. (On this valve there is no On/Off function to worry about.)

Doffing

Open the suit and undergarment. Squeeze as much urine as possible out of the hose, from the uridome and outwards, through the valve. Close the On/Off valve between the hose and uridome. Disconnect the uridome from the On/Off valve. Uridomes are preferably used once only.

Cleaning

After doffing the suit you should rinse the valve. Use the disassembly tool to remove the valve if needed. If needed, disassemble the valve for cleaning. Remove the Locking Ring and then the Valve can be taken apart. Follow the instructions below.



Valve Components

- A. Valve body TRIGON
- B. Lid TRIGON
- C. Locking Ring TRIGON
- D. O-Ring
- E. Pressure Seat with Check Valve



Use a small screwdriver to carefully remove the Locking Ring. Press towards the center of the lid to release it from the groove, then slightly press upwards.



Remove the Lid and the Pressure Seat with O-Ring. Wash the entire valve with luke warm soapy water and rinse thoroughly with warm water.



Mount the Lid and press the Locking Ring in place. Ensure that it locks in the groove of the Valve Body.

Mount Pressure Seat and O-ring. Make sure it is centered.

*Our products have
been trusted by divers
for more than 40 years*

Spare Parts

Item no.	Item
11930	TRIGON Pee Valve
11938	Disassembly Tool (TRIGON)
60852-cut	Internal Valve Port
11931	On/Off Valve
80010	O-ring
11939	Hose norprene 50 cm
60340	Blanking plug
11907	Uridome 25 mm
11908	Uridome 30 mm
11909	Uridome 35 mm



SI TECH is a Swedish company focusing on manufacturing and marketing of components for protective suits such as; drysuits, rescue suits and garments designed for diverse hostile environments. SI TECH is rooted in the diving industry which is still the company's core market. The company was founded in 1971 by the diving pioneer Stig Insulán.

Core products

Modular Quick Change Solutions, Drysuit Valves, Drysuit seals, Dry Glove Systems, Gas Inflation Systems and special components for military purposes.

Inhouse capabilities

Development and production is made in-house at our facilities in Brastad, Sweden. Inhouse competencies include: CAD construction, Injection Molding, CNC Machining, EMD Machining, Assembly, Sales and Marketing, Logistics and Administration. Our team of engineers, sales and marketing personell have close co-operation with the distributors and end-users of our products.

