

SCUBA - FIX TECHNICAL RELEASE 2.0 : VALVE CONFIRMATION BEFORE REPAIRS

Abstract

This document provides the approved guidelines to carrying out Scuba-Fix repair kit valves matching, before an actual repair.

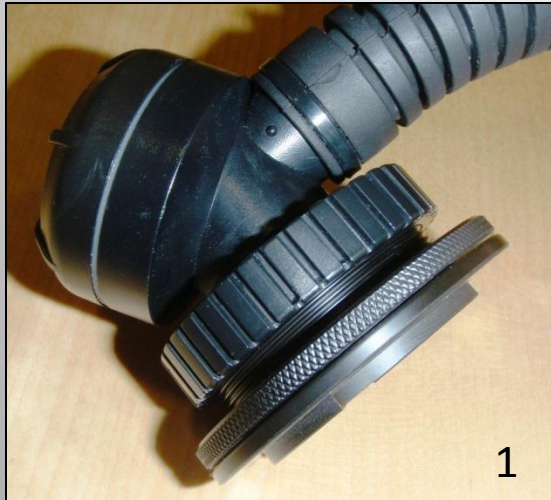
With over 200 different brands in circulation, you will encounter different brands and enquiries from all over the world. We focus on the main brands in the market and reverse engineer from there.

This following write up will ensure you will not fit a “similar” valve onto a wrong BCD.

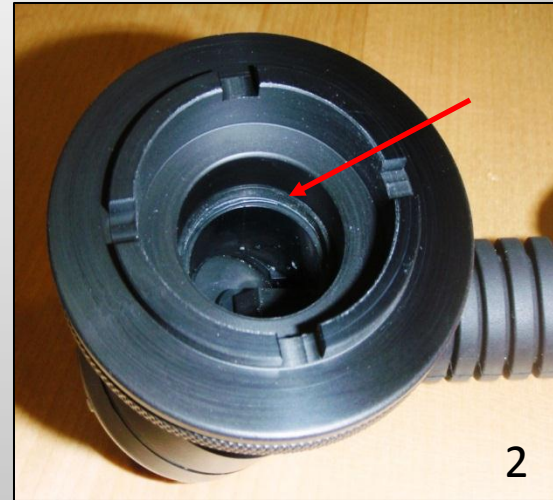
Scope

1. HOW TO MACTH REPAIR VALVES TO INFLATOR / DUMP VALVES
2. MOVING AHEAD OF ANTICIPATION

1. HOW TO MATCH REPAIR VALVES TO INFLATOR / DUMP VALVES



Smooth Engaging Of Thread.



Visible Compression Of Gasket.

- A. When you receive the BCD, screw the inflator onto the nearest Scuba-Fix valve you have. In terms of diameter, thread shape and size. (Picture 1)
- B. You must be able to screw on smoothly and have direct and full compression on the gasket. (Picture 2)

If you fail to have complete and direct compression on the gasket, the repair will leak as it is not a match. Some BCDs have different internal diameters. (ID)



Pull Dump To Ensure Workability.



Rubber Seal Must Fully Cover The Center Internal Diameter. (ID)

- C. Next, screw on the Dump Valve and check the pull cord is able to engage a dump on retract. (Picture 3)
- D. The Dump Valve rubber seal must fully cover the Internal Diameter. Some BCDs thread may match but their dump valves rubber seal is so small, it can't fully cover the center hole. i.e. Oceanic and Sherwood has similar threads but very different dump valves rubber diameter. (Picture 4)

2. MOVING AHEAD OF ANTICIPATION



Beuchat Diameter Ø 51mm



Beuchat Diameter Ø 47mm

With help from our distributors and customers, we have identified a few brands who have changed their designs and have different threads sizes over the years. Although not frequent, it has happen. It will be wise to ask from your overseas customers the :

- i) Brand, ii) Model and iii) Diameter size before you accept payments and ship.

Lastly, if you are not certain, we are only a phone call or email away. We have several brands and models pending test results so you will be surprise what we have come across and have encountered in the last few years.