



BioSensory Technical Bulletin

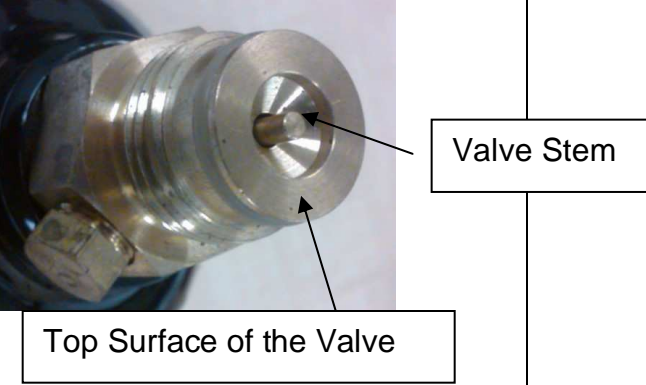
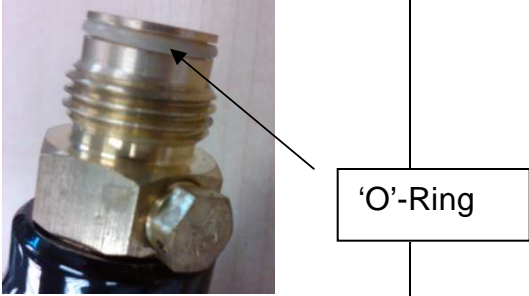
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Selecting correct CO2 valve for NightWatch and Dragonfly products

		Accept	Reject
1	Standard	All bottles with valves meeting the ASTM F 2653 – 07 standard and the ASTM F1750-05 standard can be used.	The bottles with valves not meeting these standards cannot be used.
2	Color	Accept only BRASS valves which are golden in color. 	Reject all GALVANISED valves which are grey or silver in color 

3	<p>Flush Valve Stem</p>	<p>Accept valves having a valve stem that is flush with the top surface of the valve</p> 	<p>Reject valves having a stem that is depressed below the top surface of the valve.</p>
4	<p>'O'-Ring</p>	<p>The 'O'-Ring must not be cut, scatched, frayed or otherwise damaged. The 'O'-Ring surface must be smooth so that it seals against the smooth metal surface of the solenoid valve inside the NightWatch.</p> 	<p>Reject O-rings which are cut, scatched, frayed or otherwise damaged. Damaged 'O'-Rings may fail causing CO2 to discharge, or they may leak slowly causing the CO2 bottle to empty prematurely.</p>

In summary:

1. Select a brass valve meeting the ASTM standard.
2. Such valves have valve stems which are flush with the top surface of the valve.
3. Make sure the 'O'-Ring is in good condition