

# Flow-On

3 Swans IBC newsletter no. 2, June 2009

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## IBC INFO NEWSLETTER

Email orders: Please email orders to [orders@3swans.co.nz](mailto:orders@3swans.co.nz)

This newsletter has been sent to you to give you some useful tips on Intermediate Bulk Containers (IBCs) and fittings for them.

In our May newsletter we covered how to identify the different IBCs and the different thread sizes. If you missed this or would like another copy please let us know. In this newsletter we will cover the adaptors you can use to convert the thread on the valve to fit various outlet options.

In our next newsletter we will explain which cap to use if the tank is to be transported on public roads and some options for lids for the top opening on IBCs. If you need further information at any time please don't hesitate to contact us.

## ADAPTORS FOR IBCS

The most common type of thread on the outlet valve is European NW50, also known as DIN61 or S60 buttress (coarse) thread. The major suppliers, Schutz, Sotralentz & Mauser have standardised on this size on the valve outlet.



The adaptors to convert to 2" BSP hose fittings are:

a. Our code 800532

Basic IBC Adaptor NW50 x 2" BSP female-female



800532

b. Our code 800536

Heavy Duty Adaptor NW50 X 2" BSP female-female - glass filled Polypropylene (GFP).



800536

c. Our code 800552

Camlock Adaptor NW50 female x 2" Camlock male -heavy duty, GFP.



800552

d. Our code 700747

NW50 cap with 3/4" insert, with water butt tap and hose connector (will connect to a regular garden hose fitting).



500747



### Replacement valves

Darcie Lite ball valves constructed from glass filled polypropylene and with Engage 8003 polyolefin elastomer seals. Available to fit Schutz, Sotralentz and Mauser IBCs.

# ADAPTORS FOR INTEGRATED CAMLOCK VALVES EXPLAINED

We've been asked to clarify what adaptors/fittings to use on Schutz IBCs with an integrated camlock valve. The following is for your guidance:

Typically all integrated camlock valves on IBC's present as a 2" male camlock. Regardless of whether the valve also has threads for a cap secondary closure or the camlock uses a full camlock dust cap (ie with arms) or a click-on dust cap, the ONLY way to attach to the valve is by way of a camlock coupling i.e. a female camlock with two arms.

Regardless of whether the threads for the cap are 61mm or 62mm, you will always find that the camlock never changes and always conforms with the NATO standard.

So when presented with an integrated camlock valve, ignore any threads when you're working out how to attach to the valve. Pretend the threads aren't there! Remember the reason they only give you a few threads is so that the threads do not interfere with the operation of the camlock groove.

What is on the other side of the camlock coupling (ie the outlet side of the camlock coupling) is up to your customer. If they want to directly connect it to a 2" hose, you would specify a hose tail. If you wanted 1" hose, you would specify 2" BSP Female (i.e. 800559 adaptor below), then screw in a 2" to 1" reducing adaptor, then screw in a 1" hose barb with 1" BSP male thread.

It's a matter of working out the starting point, eg 2" male camlock, and the finishing point, eg 2" hose.

It may be necessary to use PTFE thread tape to properly seal the camlock hose coupling from leakage.



*Example of a Schutz integrated camlock valve (not currently stocked by 3 Swans)*

**We now stock:**

- 1. 800559 IBC Adaptor: Schutz 2" camlock female x 2" BSP female with locking arms
- 2. 800560 IBC Adaptor: 2" camlock female x 2" hose tail, with locking arms



1.



2.

*If you need further information on these or any of our other products please don't hesitate to call or email us with your enquiry  
07 850 9581 or [info@3swans.co.nz](mailto:info@3swans.co.nz)*