



## 3 SWANS PRODUCT CATALOGUE

Our comprehensive range of items (including those in this catalogue) can be viewed on our website

[www.3swans.co.nz](http://www.3swans.co.nz)

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Price list (if supplied)

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**[www.3swans.co.nz](http://www.3swans.co.nz)**

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13 Sycamore Place, Pukete

Hamilton 3200

*Intelligent dispensing solutions with advice you can trust*

# TAPS



8mm Quick Serve (QST) standard 3/4" adaptor. Flow rate 72ml/sec\*. Outlet rotates to orient in correct position. Use with back nut 202015 (black)\*\*.

**255830**



12mm QST standard, 3/4" adaptor or with long thread and back nut. Flow rate 155ml/sec\*. Outlet rotates to orient in correct position. (Mar2010: both versions now unavailable from supplier for quantities of less than 10k)

**257803 3/4", 257809 Back nut**



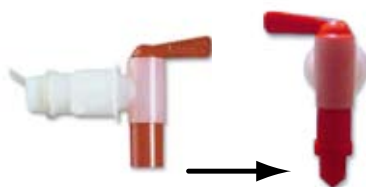
18mm Jumbo QST standard, 3/4" adaptor, fixed hexagonal body, HDPE body, PP spigot. Flow rate 296ml/sec\*.

**250655**



Flo-Rite 3/4" tap. HDPE body, LDPE outlet. 3/4" tapered thread, no gasket. Can be used as a solvent tap in some cases.

**252050**



Aeroflow (AFT), Breather taps with 18mm outlet and standard 3/4" adaptor, natural rubber washer. LLDPE body, PP spigot. Use in larger rigid, single-opening containers up to 200lt. Outlet rotates to orient in correct position. Flow rate 70ml/sec\*. Nozzle reduces outlet to 12mm. Fits back nut 202015 (black)\*\*.

**Tap- 251804  
Nozzle - 204676**



Smoothflow tap with blue spigot plug fitted to white 38mm cap. LLDPE body, PP spigot. Flow rate 30ml/sec\*. 38mm cap fits most 1, 2, 4, 5L jerry cans.

**258446**

## KEY



Drum Tap with 3/4" adaptor; HDPE for acids & alkali with nitrile rubber washer. Food grade. Flow rate 203ml/sec\*

**350087**



Drum Tap with 3/4" adaptor, alloy body with nylon seal, for solvents. Spring loaded on/off for positive flow & shut-off.

**350100**

BSP = British Standard Pipe-Thread  
 NPS = National Pipe Size (USA)  
 NPT = National Pipe Tapered Thread (USA)  
 HDPE = High Density Polyethylene.  
 LDPE = Low Density Polyethylene  
 LLDPE = Linear Low Density Polyethylene  
 IBC = Intermediate Bulk Container.  
 Spigot = outlet  
 \* Flow rates based on water viscosity at 25cm constant head height  
 \*\* Taps with short tapered threads are not designed to take a back nut. However, in many situations the backnut is suitable. Must be tested under your own end-use conditions.

# TAPS



Drum Major Tap, 2" BSP. Available with cutter for use with IBCs. Screw thread action. HDPE body, LDPE valve. Suitable for viscous liquids e.g. adhesive, resins & industrial & cleaning chemicals.

**352000**



Drum Major Straight-thru Tap, 2" BSP. HDPE body, LDPE valve. Available with cutter for use with IBCs. Can be used as a stop-cock with piping systems. Screw thread action.

**352001**



2" Cutter for Drum Major taps, for use with flexi-liner IBCs.

**800572**



Flo-King 2" (tapered) NPS thread, HDPE with EPDM gasket. Flow rate 70L/min\*.

**352050**



Water Butt Tap (WBT) short outlet, long thread, 3/4" BSP. HDPE body, PP spigot, nitrile washer. Lever turns independently of outlet. Flow rate 105ml/sec\* (406054 Discontinued). Use with extra washer for jerry cans.

**406129**



Water Butt Taps (WBT) with hose connector. HDPE body, PP spigot. Standard garden hose connector will clip on to this tap (connector not supplied). Lever turns independently of outlet. Flow rate 105ml/sec\* (406127 discontinued)

**406130**

**Water Butt Taps:** Body HDPE, Spigot PP, Washer Nitrile



In-Line syphon tap 1/4" with bulb/taper. HDPE body, PP spigot. For homebrew, industrial & horticultural (hydroponics).

**400008 - Bulb/taper**



In-Line syphon tap 1/2" double barb. HDPE body, PP spigot. Homebrew, industrial & horticultural (hydroponics).

**401004**



In-Line syphon tap 1/2" barb x 1/4" BSP thread. HDPE body, PP spigot. For homebrew, industrial & horticultural (hydroponics).

**401005** - without washer & back nut

**401006** - with washer & back nut

## SNAP-TAPS



Snap-Tap (spring loaded lever), green, with black washer and 3/4" thread. PP.

**302033**



Snap-tap (spring loaded lever), white, with black washer, rounded lever and 3/4" thread. PP.

**302110**



(3 Swans can only supply the taps)

### ***Spring-loaded Snap-taps are a user-friendly tap option for water, other still beverages, oil and detergents.***

- 3/4" BSP thread screws directly into 3/4" bungs holes on jerry cans and drums. Can be used on water coolers and juice urns.
- Polypropylene - compatible with a wide range of products, and even allows boiling water to be stored and retrieved safely.
- Stainless Steel spring
- Easy to take apart and clean
- Smooth toggle mechanism allows for fast, hands-free pouring (lever can be locked in the on position).
- Positive shut-off ensures against puddling and leaks.
- An active hold position (one-handed) is handy for small fills for when accurate measuring is required.
- There are many colours and designs available - please enquire if you have a specific need.

# TAP-CAPS

## Tap-Cap Options



Red AFT, 45mm cap  
**700294**



Red AFT, 70mm cap  
**700380**



White AFT, NW50 cap  
**700543**



Red AFT, 63.5mm cap  
**700745**



Red AFT, 56mm cap  
**700820**



Red AFT, 55mm cap  
**700824**



Red AFT, 58mm cap  
**700833**



White SFT, 45mm cap  
**700410**



White SFT, 38mm cap  
**258446**

There are many variations of Tap-Caps available. Below are our codes and descriptions for most variations.

### Tap-Caps using Aeroflow Tap (AFT)

Code	Description	Cap Size	What they fit
700294*	AFT red - Alto 45mm C'c white	45mm	Alto 5lt, Alto & Visy 10lt jerry cans
700380*	AFT red - Alto 70mm cap red	70mm	Alto 20 & 25lt jerry cans
700389	AFT white - Alto 70mm cap, red	70mm	Alto 20 & 25lt jerry cans
700541	AFT red - NW50 C'c, natural	NW50	European jerry cans
700543*	AFT white - NW50 C'c, natural	NW50	European jerry cans
700744	AFT white - Alto 63.5mm cap, white	63.5mm	Alto Universal, Defender, Enviropak & Econocan jerry cans
700745*	AFT red - Alto 63.5mm C'c, white	63.5mm	Alto Universal, Defender, Enviropak & Econocan jerry cans
700747	Water Butt Tap, black - NW50 cap, black	NW50	IBC containers
700820*	AFT red - 56mm Alplas cap	56mm	20lt steel drums
700830	AFT white - Alplas 58mm C'c, BK	58mm	Visy 20lt cube
700833*	AFT red - Alplas 58mm C'c, BK	58mm	Visy 20lt cube
700835	AFT white - Alplas 58mm C'c, red	58mm	Visy 20lt cube
700837	AFT red - Aplas 58mm C'c, red	58mm	Visy 20lt cube
700824*	AFT red - Blow Moulders 55mm cap, red	55mm	Blow Moulders 20lt jerry cans

### Tap-Caps using Smooth Flow Taps (SFT)

Code	Description	Cap Size	What they fit
258446*	SFT, PE, 38mm white cap & blue plug	38mm	Alto, VIP, Optoplast & Premier Plastics 1-5lt jerry cans
700410*	SFT w.45mm Alto C'c, red, w.gasket	45mm	Alto 5lt, Alto & Visy 10lt jerry cans
700415	SFT w.45mm Alto, C'c, white, w.gasket	45mm	Alto 5lt, Alto & Visy 10lt jerry cans
700420	SFT w.58mm Alplas C'c, red w.gasket	58mm	Visy 20lt cube
700428	SFT w.63.5mm Alto C'c white	63.5mm	Alto Universal, Defender, Enviropak, Econocan jerry cans
700434	SFT w.44mm steel cap	44mm	Small steel cans
700436	SFT w.56mm plastic cap for steel drums	56mm	Large steel cans, 15-20lt

*If you can't see the combination  
you require, please ask us*

*\* Items are shown above*

## DISPENSERS



Screw collar Falcon lotion pump, 4ml dose. Can fit to caps min. 28mm diameter.

**101000**



RS-4, Shippable, 4ml dose dispenser, comes standard fitted to 38mm cap. Resistant to D-limonene, flap-valve foot allows for small particulates. Also available with large lid adaptor to fit caps 45mm upwards. Can be adapted to fit 20lt jerry cans & steel cans with 44 & 56mm caps.

**106450**



RS-10, Shippable, 8 or 10ml dose. Available with flap valve for viscous products or ball valve for light viscosity e.g. syrups. Comes fitted to caps 28mm, 38mm or universal for glass. Also available with large lid adaptor to fit caps 45mm upwards. Can be adapted to fit 20lt jerry cans. White or black.

**104020 – 28/410 cap**

**104030 – 38/400 cap**



Hybrid, 30ml dose. Can be fitted to caps 38mm and larger, including pail-lids. Has strong internal spring and wide-body. Ideal for viscous products.

**105000**



Maxi, 30ml dose, min. 38mm cap. Ideal for high viscosity lotions and for chutney, salsa, pickles. Nozzle restrictors available in 4mm, 7mm, 10mm.

**107000**



R-30, 30ml dose with umbrella valve suitable for viscous products. Comes standard with 38mm cap, also available with 45, 58, 70mm (call us for codes relating to each cap size).

**106500**



FND30 (fixed nozzle dispenser), 30ml dose, min. 38mm cap.

**106000**



Major 100ml fixed nozzle dispenser, min. 38mm cap.

**107500**



Major 250ml fixed nozzle dispenser, min. 38mm cap.

**107600**

The dispensers listed above can be fitted to your caps or lids e.g. pails. Caps & fitting is extra. If used in pails codes 105000, 106000, 106500, 107000, 107500, 107600 should be used with a pedestal foot for extra support.

# DRUM PUMPS



CP1848 Chemical transfer pump. Syphon or lift action, syphons approx 5lt/min or 225ml/stroke, Viton seal, compatible with wide range of acids and alkalis. 2" NPT adaptor or fitted to jerry can cap sizes 45, 61, 63.5, 70mm (call us for codes relating to each cap size). Outlet hose 14mmOD x 1200mm long. .  
**132000 - 2" NPT**



Available on indent only, min 10

236-PF-3 Wide body and outlet hose, lift action, 800ml/stroke. Has 2" NPT adaptor. Viton seal compatible with wide range of acids and alkalis. Suitable for viscous products. Outlet hose 32mmOD x 910mm long. Body 850mm long.

**132130**



236-PF-4 Wide body and outlet hose, syphon or lift action, 800ml/stroke, 20lt/min syphon. Has 2" NPT or 2" buttress adaptor. Viton seal compatible with wide range of acids and alkalis. Outlet hose clear PVC 27mmOD x 1200mm long. Body 850mm long.

**132134**



Available on indent only, min 10

CP12SP, Jerry can pump with spout outlet. Lift action, 150ml/stroke. Viton seal compatible with wide range of acids and alkalis. We can fit to jerry can caps 45mm and upwards (call us for codes relating to each cap size). Goose neck spout drains back into container.

**132013**



9A-V Petrol Pump, Viton seal compatible with petrol, diesel fuel, kerosene. Syphon or lift action. 110ml/stroke. Syphons approx. 4lt/min.

**132150**



136-PF-6 Water Meter Pump, 900mm/36" body length. 1.8m(6ft) outlet hose. 1lt/stroke. Ideal portable water pump for removing water from around water meters, valves, or fittings. Not for use with drinking water. Stone strainer also available.

**132170**



224-PF Water Meter Pump, 600mm/24" body and outlet hose. 500ml/stroke. Not for use with drinking water.

**132164**



Indent only

Rieke M45-N (115ml/stroke\*) or M855-N (225ml/stroke\*) Metal Drum Pump, Zinc plated, Nylon piston w/2" BSP Adaptor, for solvents. Goose neck outlet drains back into container.

\*water viscosity.

**107715 or 107720**

**CHEMICAL USE:** Pumps have high impact PVC body with Viton seals & valves. If you are unsure about chemical compatibility, please call us on +64 (07) 850 9581. Pumps can be customised for specific applications.

## ADAPTORS for DRUMS & IBCs (1000lt containers):



Adaptor DIN63, 61mm ID but-tress thread female x 2"/57mm ID BSP female, white (fits Alto & Visy 63.5mm threads)

**Female-Female  
800509**



Adaptor DIN71/67mm ID but-tress thread female x 2"/57mm ID BSP, female. Brown.

**Female-Female  
800513**



Adaptor Rieke AM464 2"/64mm OD butress thread male x 2"/57mm ID NPS, fe-male. Refer to drum bung 800605 for butress thread di-mensions. Green.

**Male-Female  
800515**



Adaptor DC617 60mm OD but-tress thread male x 2"/57mm ID BSP female. Refer to drum bung 800637 for thread di-mensions (Chinese thread).

**Male-Female  
800517**



Adaptor AD/DIN61, 61mm ID butress thread female x 2"/57mm ID BSP female. Yel-low. Thread is the same as 800532

**Female-Female  
800519**



Adaptor A01 Mauser S70/69mm OD butress male x 2"/57mm ID BSP female, natural with black O-ring. Same thread dimensions as 800530 but O-ring is at top of thread enabling adaptor to sit lower in drum opening.

**Male-Female  
800525**



Adaptor Mauser (KHM), S70 butress thread male x 2" BSP thread female. Blue O-Ring. Refer to drum bung 800612 for thread dimensions. (Replaces 800524 -no longer available).

**Male-Female  
800530**



Adaptor Van Leer Trisure 2"/57mm OD butress thread male x 2"/57mm ID BSP, fe-male. Flat Gasket. Refer to drum bung 800608 for thread dimensions.

**Male-Female  
800570**



IBC basic Adaptor, Schutz, NW50/61mm OD x 2"/57mm ID BSP, female-female. Black polypropylene with white san-toprene gasket. Same thread as 800536 heavy duty version.

**Female-Female  
800532**

\* See page 11 for IBC Identification Charts.

Key is on page 9.

## ADAPTORS for DRUMS & IBCs (1000lt containers) continued...:



IBC Adaptor CPP, heavy duty  
NW50/60mm ID x 2"/57mm  
ID BSP, female-female. Black  
with rounded EPDM gasket.  
Glass filled Polypropylene.

**Female-Female**  
**800536**



Adaptor CPP, NW50/60mm  
OD male x 2"/57mm ID BSP  
female. Black with flat EPDM  
gasket. Glass filled Polypropylene.

**Male-Female**  
**800538**



Adaptor NW50/62mm ID fe-  
male x 2"/70mm OD BSP  
male. Black with flat EPDM  
gasket. Glass filled Polypropyl-  
ene.

**Male-Female**  
**800539**



Adaptor CPP Camlock.  
NW50/63mm OD female x  
2"/60mm OD Camlock Male,  
standard. Black with flat  
EPDM gasket. Glass filled  
Polypropylene.

**Male-Female**  
**800552**



Adaptor 2" NPS/57mm ID  
(fine thread) female x cam-  
lock male, short with 2"  
NPS/59mm OD at camlock  
end.

**Male-Female**  
**800554**



Adaptor S100/99mm ID but-  
tress female x NW50/60mm  
OD but-tress male

**Male-Female**  
**800556**



Adaptor Kingtainer 80mm/3"  
BSP female x NW50 male

**Male-Female**  
**800557**



Adaptor S100/99mm but-tress  
female x 3" camlock male.  
Available on indent only.

**Male-Female**  
**800558**



Adaptor Kingtainer 80mm/3"  
BSP female x 2" Camlock  
male.

**Male -Female**  
**800562**

## ADAPTORS for DRUMS & IBCs (1000lt containers) continued...:



Adaptor, Schutz camlock  
2"/64mm ID female x 2"/57m  
ID BSP female, with locking  
arms. For use on integrated  
camlock valves.

**Female-Female**  
**800559**



Adaptor, Schutz 2"/65mm ID  
camlock female x 2"/53mm  
OD hose tail, with locking  
arms. For use on integrated  
camlock valves.

**Female-Male**  
**800560**

## NOZZLE For IBCs (1000lt containers):



3 piece cap NW50/55mm ID  
or 2" BSP/57mm ID.  
Nozzle, HDPE, Inlet 55mm  
OD, Outlet 44mm OD.  
135mm long.

**500746 - NW50 Cap**  
**500768 - 2" BSP Cap**  
**800260 - Nozzle**

### KEY

BSP = British standard pipe-thread,  
fine.  
NPS=Nominal Pipe Size, fine.  
NPT=National Pipe Tapered Thread,  
fine.

Measurements given by the manu-  
facturer as NW, DN, or S all refer to  
approximate/nominal sizes e.g. NW50  
is nominally 50mm. S70 is nominally  
70mm. However, DIN is an exact mea-  
surment e.g. DIN61 is 61mm.  
NW50 also known as buttress or coarse  
thread. Also known as DIN61 or S60.

## IBC VALVES



Ball valve (Darcie-Lite), S75 female x S60 male (NW50), Engage 8003 polyolefin elastomer seals. To fit IBCs by Schutz .

**800212**



Ball valve (Darcie-Lite), S75 female x 2" integrated camlock male, Engage 8003 polyolefin elastomer seals. To fit IBCs by Schutz.

**800212cm**



Example of an IBC (3 Swans do not supply IBCs)



Ball valve (Darcie-Lite), S60 female x S60 male (NW50), Engage 8003 polyolefin elastomer seals. To fit IBCs by Mamor, Sotralentz, Greif/ Sonoco.

**800248**



Ball valve (Darcie-Lite), S80 female x S60 male (NW50), Engage 8003 polyolefin elastomer seals. To fit IBCs by Mauser/Hoover, Reyde (Spain).

**800318**

Cross-section of Darcie-Lite valve



## IBC OUTLET DESCRIPTIONS & MEASUREMENTS

### **Determining Your IBC Outlet and the Matching Valve**

If your IBC outlet is S60x6/ female 56mm ID, 80mm OD it will fit valves made by Sotralentz, Grief, Sonoco, Mamor and our valve 800248.

If your IBC outlet is S75x6/female 75mm ID, 95mm OD it will fit valves by Schutz, Clawson, Fustiplast and our valve 800212 or 800212cm.

If your IBC outlet is S80x6/ female 80mm ID, 100mm OD it will fit valves by Mauser (Hoover) and our valve 800318.

### **Measurements:**

Female S60=56mm ID, 80mm OD  
 Female S75=75mm ID, 95mm OD  
 Female S80=80mm ID, 100mm OD  
 Male NW50=50mm ID, 60mm OD

See page 11 for  
IBC Identification Charts

## IBC SCREW CAPS & LIDS



Cap IBC 2" NPT (US fine thread/57mm ID with rubber gasket. For USA IBCs. Available in yellow or black. Used on IBC outlet.

**500741 Yellow**  
**500742 Black - stock colour**



Cap IBC NW50/DIN61 (2"/56mm ID) butress thread. Used on IBC outlet.

**500743**



Cap IBC NW50/DIN61 (2"/56mm ID) adaptor with 3/4" insert, bowl gasket. Shown here with a water butt tap with hose connector.

**500745 Cap 406127 Tap**  
**700747 - Tap-Cap combo**

NB 3 Piece cap for fitting nozzle outlet is code 500746 and is shown on page 9.



Valve cap for Schutz Camlock, Mark I, 2" BSP/57mm ID. 13mm deep. Black with clear gasket.

**500747**



Valve cap for Schutz Camlock, Mark II, 61mm ID. 13mm deep. Black with clear gasket.

**500748**



Cap IBC S100/DN80/91mm ID closed cap, butress thread.

**500751**



Large lids, solid, black with cellular rubber gasket. NW150 (6"/152mm ID) or NW225 (9"/232mm ID).

**500754 - NW150**  
**500760 - NW225**



Large lid, vented, red with seal cap, EPDM gasket. NW150 (6"/152mm ID) or NW225 (9"/232mm ID). Venting over-cap also available.

**500756 - NW150 vented**  
**500762 - NW225 vented**  
**500757 - Spare Over-cap**

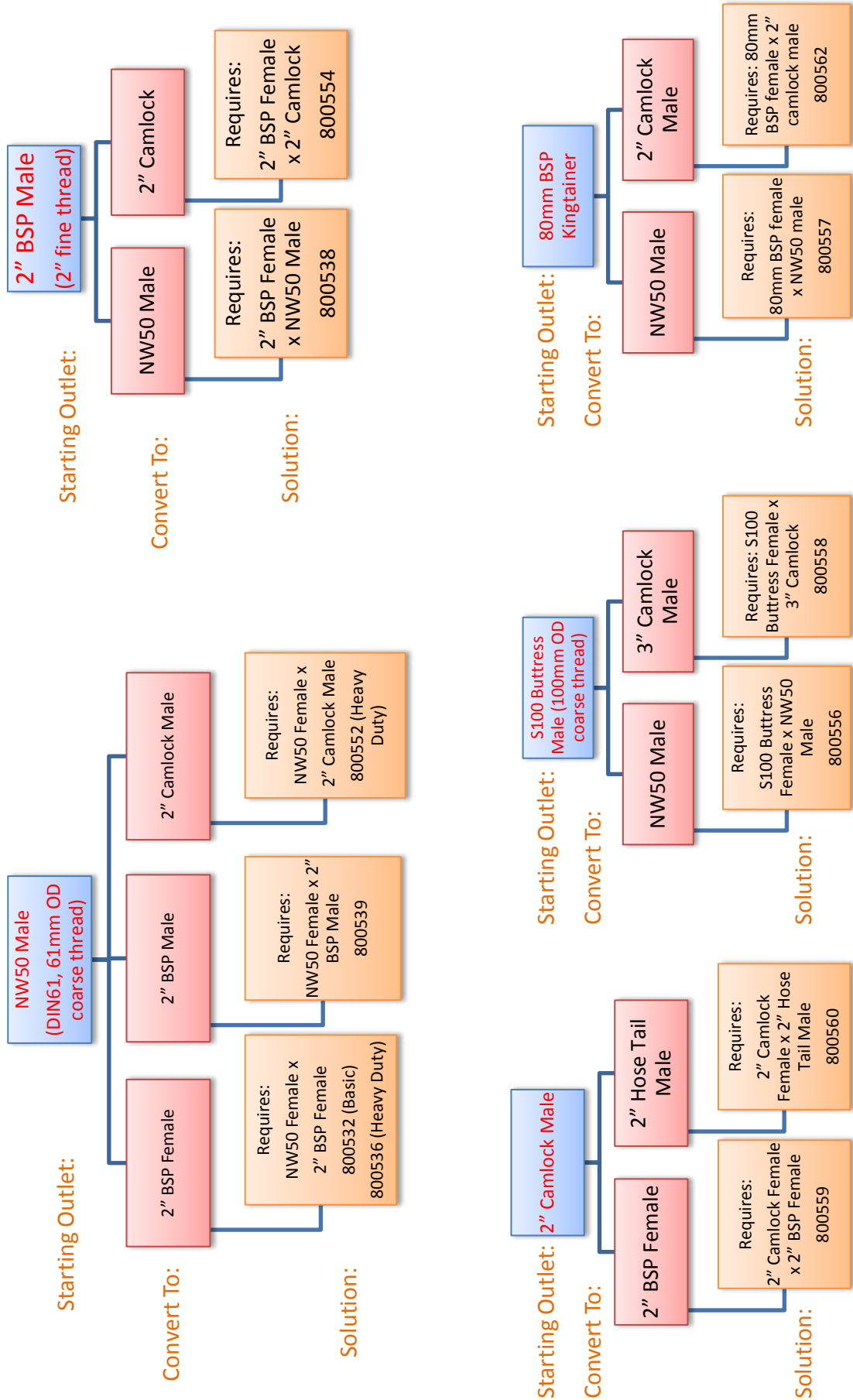


2" Camlock dust cap with locking arms.  
Spare gaskets available.

**500764 - Over Cap**  
**500766 - Spare Gasket**

NB caps not shown to scale

# IBC Adaptor Identification Charts



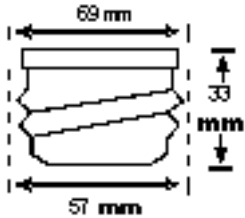
## DRUM BUNGS/PLUGS (Mauser)



Drum Bung Mauser, S70/69mm OD buttress thread with  $\frac{3}{4}$ "/20mm BSP insert (our code 800627), O ring (DC204).

**800612**

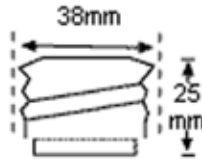
Size:



Drum Bung Plug, 38mm OD buttress thread, blue O Ring (DC205).

**800614**

Size:



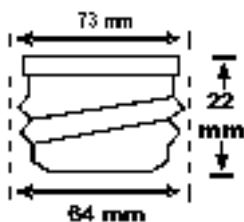
## DRUM BUNGS/PLUGS (Rieke)



Drum Bung Rieke, PPA-57-B5, 2" buttress x  $\frac{3}{4}$ "/20mm BSP insert. Measures 73mm OD top, 64mm OD bottom.

**800605**

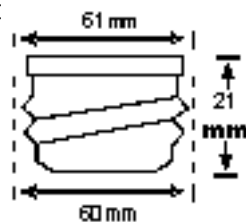
Size:



Drum bung Rieke, PPA-71, 2" BSP Trisure, plain, with white EPDM gasket. Measures 61mm OD top, 55mm OD bottom. Is same thread as 800722, with  $\frac{3}{4}$ " insert.

**800631**

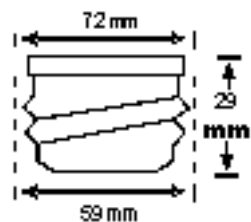
Size:



Drum Bung Rieke, PPA-56, 2" NPS thread, with  $\frac{3}{4}$ "/20mm insert. Measures 72mm OD top, 59mm OD bottom. Insert 24mm ID.

**800632**

Size:



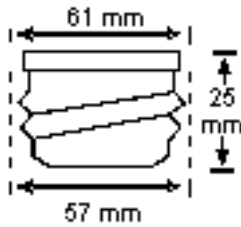
## DRUM BUNGS/PLUGS (Van Leer/Trisure)



Drum Bung Van Leer-Trisure, 2" buttress thread with 3/4"/20mm BSP insert plug fitted. Measures 61mm OD top, 57mm OD bottom. Is same thread as 800724, plain version.

**800608**

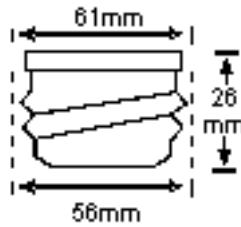
Size



Drum Bung Van Leer-Trisure, 2" BSP with 3/4"/20mm BSP insert plug fitted. (replaces 800721 & 800650). Measures 61mm OD top, 56mm OD bottom. Is same thread as 800631, plain version.

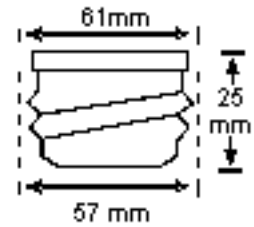
**800722**

Size



Drum Bung Van Leer-Trisure, 2" buttress plain. Measures 61mm OD top, 57mm OD bottom. Is same thread as 800608, with 3/4" insert version.

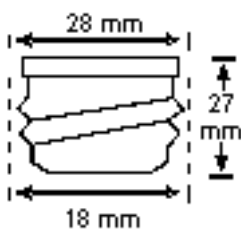
**800724**



Drum Bung Plug Van Leer-Trisure, 3/4"/20mm buttress thread (DC216). Measures 23OD top..

**800610**

Size



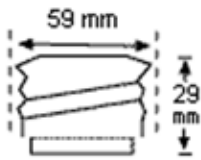
# SUNDRY



Drum Bung 56mm OD buttress thread, plain. For Mauser style Indian-made drums (DC210).

**800616**

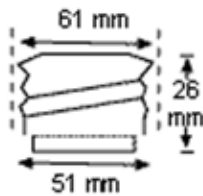
Size:



Drum Bung Enviro, 61mm OD buttress thread, plain (DC207).

**800624**

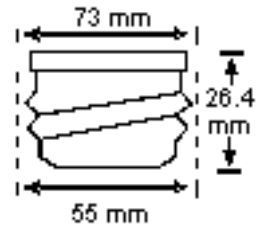
Size:



Drum Bung, 61mm buttress thread with 20mm insert (Rieke style, Asia) (DC214).

**800635**

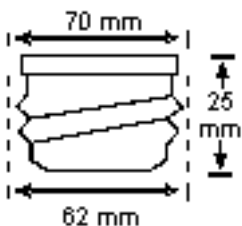
Size:



Drum Bung, 62mm buttress thread with 3/4"/20mm insert (Rieke style - China) (DC217).

**800637**

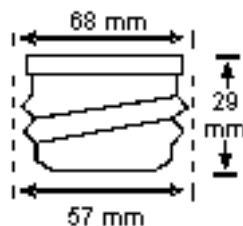
Size:



Drum Bung, 68mm buttress thread with 3/4"/20mm insert (Mauser style - China) (DC218).

**800638**

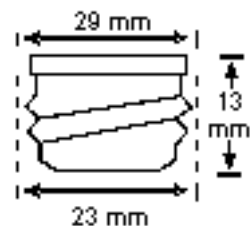
Size:



Drum Bung, 3/4"/20mm Rieke PPA-10-2, NPT thread (fine tapered), natural with no washer. 800627 has replaced 800626 3/4" BSP (Dorony). Measures 26mm OD top, 23mm OD bottom.

**800627**

Size:



## CAPSEALS & CAP TIGHTENERS



Crimp-on seals fit Rieke drum bungs 3/4" and 2", buttress or NPT threads. Cap Seal Rieke 3/4" Safe SealPX-1-050, white  
**800440**

Cap Seal Rieke 2" Safe Seal Cap Seal PX-03-050, white.  
**800450**



G30 Crimp Tool for Rieke 3/4" Safe Seal Cap Seal (800440)  
**800445**

G10 Crimp Tool for Rieke 2" Safe Seal Cap Seal (800450)  
**800460**



Press-on Seals fit Van Leer-Trisure, Alto 60 and 200lt drums and Visy steel drums. NB. These capseals do not fit Rieke drum bungs Cap Seal Rieke Trisure 3/4"/20mm Tite Grip AP-1-5000 press-on (small in picture)

**800441**



Cap Seal Rieke Trisure 2"/50mm Tite Grip AP-3-5000 press-on (large in picture)

**800453**



Cap Seal Mauser type, DC162 snap-on, PP, red

**800462**



Alto cap tightener for 45mm (industrial) or 70mm caps. Can be used with 70mm tap-caps e.g. 700380.

**800406**



VIP (Visy) cap tightener for 58mm caps. Cannot be used with tap-caps e.g. 700833. Small end fits 20mm drum bung.

**800407**



W-169 Drum Spanner, for Rieke. bungs Light weight durable aluminium alloy, sparkless for use with hazardous chemicals.

**800409**



Trisure T09 steel drum spanner. Universal for bungs as listed in this catalogue. Fits 3/4" and 2" bungs and cap-seals.

**800411**

## VENTED CAPS & BUNGS, CHILD RESISTANT CLOSURES



Child Resistant Cap, 28/400 (28mm), PSI vented with SRM grooved liner.

**600819**



Child Resistant Cap, 38/400 (38mm), PSI vented with foam PTFE liner.  
(Mar 11 These are now only available for a MOQ of 22,000)

**600820**



Child Resistant Cap, 38/400 (38mm), PSI vented with ePTFE (SRM) foam liner.

**600830**

As well as the stocked items above we can vent most sizes of caps and bungs.

### KEY

PTFE: Polytetrafluoroethylene (Teflon)

ePTFE: expanded Polytetrafluoroethylene, i.e. SRM Super Resistant Membrane (Gore-Tex)

### WHEN TO USE VENTED CAPS OR BUNGS

Vented closures (caps & drum bungs) are used for liquids which generate gas i.e. Sodium Hypochlorite and Hydrogen peroxide in liquid form. The membrane allows gases to escape but remains leak proof. This prevents the container from blowing out.

Caps and drum bungs are vented using a heat welding process to apply the venting membrane to the inner surface.

Membranes available are:

1. PTFE Hydrophobic (water repellent) i.e. HIGH SURFACE TENSION liquids – Sodium Hypochlorite/Hydrogen peroxide with only water added.
2. ePTFE Super Resistant membrane (SRM) Oleophobic (oil repellent) LOW SURFACE TENSION liquids – the above with additives such of acid, solvent, oil, fragrances, surfactant, soap, detergent. SRM can also counteract Oxygen scavenger solutions i.e. citrus based solutions which cause panelling (container wall sucks in). The vent allows oils to access Oxygen through the membrane. The vent also reduces oil migration through the wall panels which can dissolve label adhesive.

Ask us about your application. We can advise you on the correct vented membrane to use for the safe storage, handling and transportation of your chemicals.

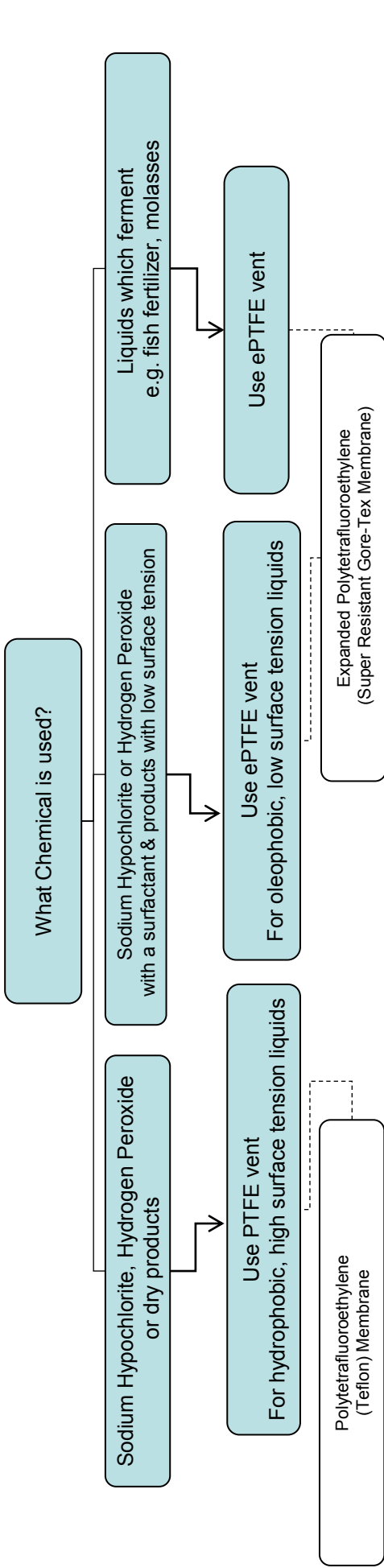
Vented closures **MUST** be tested under your own specific end use conditions at your own discretion and risk.

Samples are available upon request, free of charge.

Please note that for health and safety reasons we will only vent unused closures (caps or bungs).

Please see following page for venting guide. If in any doubt please call us for guidance.

# Guide to using Vented Caps and Closures



**Use PTFE for:**

Products that <b>ONLY</b> Contain:	<ul style="list-style-type: none"> <li>Bleach (Sodium Hypochlorite) &amp; water</li> <li>Hydrogen Peroxide &amp; water</li> <li>Dry products</li> </ul>
Such As:	<ul style="list-style-type: none"> <li>Pool bleach</li> <li>Pool shock</li> <li>Certain fertilisers or disinfectants</li> <li>Powders or tablets</li> </ul>

PTFE membrane is recommended for use on hydrophobic (water repellent) high surface tension, liquids.  
*Used with permission from Performance Systematix Inc.*

**Use ePTFE (SRM) for:**

Products Containing <b>ANY</b> :	<ul style="list-style-type: none"> <li>Surfactants</li> <li>Soaps</li> <li>Detergents</li> <li>Solvents</li> <li>Oils</li> <li>Acids</li> <li>Alcohols</li> <li>Fragrance</li> </ul>
Such As:	<ul style="list-style-type: none"> <li>Household &amp; industrial cleaners</li> <li>Liquid fertilisers</li> <li>Molasses</li> <li>Pesticides</li> <li>Degreasers</li> <li>Scented bleach</li> <li>Essential oils</li> </ul>

ePTFE or SRM\* (Super Resistant Membrane) is recommended for solutions containing oleophobic (oil repellent) low surface tension liquids.

**Vent Hole Size:**

**2mm**

- High surface tension liquids e.g. Sodium Hypochlorite/Hydrogen Peroxide
- Low surface tension liquids with closure size smaller than 38mm.

**4mm**

- Low surface tension liquids e.g. as per chart for ePTFE (SRM).
- Low surface tension liquids with closure size 38mm and larger

*Hole size needs to be confirmed by specific testing – ask us for samples for testing*

\*SRM is for industrial use only. Not for use in food, drug, cosmetic or medical device manufacturing, processing or packaging operations.

**Usage notes when using any vent:**

- Be sure to allow adequate head space (ullage) in the container. We suggest a minimum of 5%-10%.
- Insufficient head space can cause leakage or plugging of the vent.
- Container must be transported and stored in an upright position.

*This information is intended for use in product evaluation, under your specific end use conditions, at your own discretion and risk.*

**Please Note:**

For the health & safety of our staff, and the integrity of your product, only unused closures will be vented.

**If in any doubt please contact us:** 3 Swans Ltd. ph 07 8509581, email [info@3swans.co.nz](mailto:info@3swans.co.nz), web [www.3swans.co.nz](http://www.3swans.co.nz)



Our comprehensive range of items can be viewed on our website

[www.3swans.co.nz](http://www.3swans.co.nz)

Ph: (07) 850 9581

Fax: (07) 850 9582

13 Sycamore Place, Pukete  
Hamilton 3200

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Effective 1 April 2011 unless otherwise stated at the top of each page