

# smart caps 2008



**HROMalytic Chromatography Products '08**  
Australian Distributors  
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# SUMMARY

## 4 SMART HEALTHY CAPS

### ▶ SMART WASTE CAPS

- 9 TYPE OF THREAD
- 10 SMART WASTE CAPS GL45
- 11 SMART WASTE CAPS S55
- 12 SMART WASTE CAPS S60/61
- 13 SMART WASTE CAPS S90
- 14 SMART WASTE CAPS  
WITH SECURITY FUNNEL

## 16 ACCESSORIES

### TO ORDER

You can place your order by phone, fax, mail. For a quick treatment of your order please add :

1. Your name
2. Your company name and address for shipment and billing
3. Your order reference
4. Article references detailed with dimensions and quantities
5. Feel free to contact Sales  
Monday to Friday from 9:00am to 18:00pm.

- By phone : (03) 9762 2036

You are free to place orders when and how you choose - 24h a day, seven days a week, by :

- Fax : (03) 9761 1169

- E-mail : sales@chromtech.net.au  
83804

# smart caps

A TECHNOLOGY  
TO PROTECT YOUR HEALTH

Out gassing emissions reduced by 80 %

Before



## HEALTHY CAPS

1. No solvent evaporation
2. Keep your concentration accurate for several days
3. No mobile phase external contamination

After

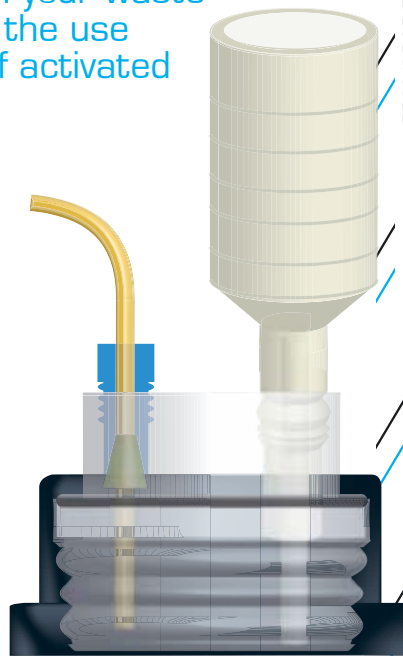
Tubes remain in position, due to a ferrule firmly tightened into a Flange Free fitting

Safe closure, no toxic vapours



## WASTE CAPS

Reduction of 95% of harmful substances leaking from your waste solvent jerricans due to the use of a filtering cartridge of activated charcoal.



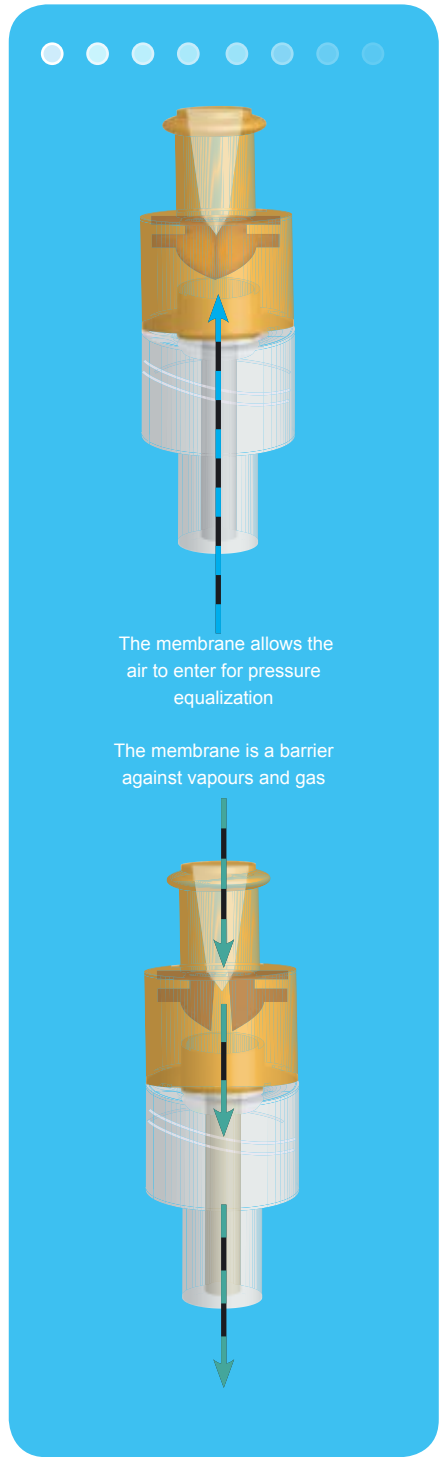
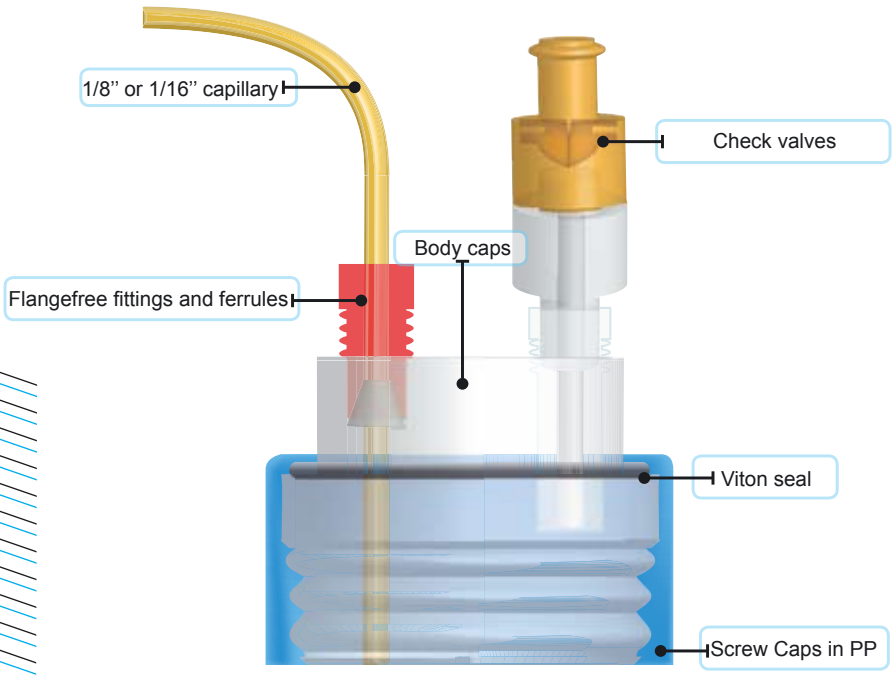
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**HROM**alytic Chromatography  
Products '08  
**ECH**nology

# A ONE WAY CHECK VALVE TECHNOLOGY

SMART HEALTHY CAPS are in response to modern laboratory safety regulations. They are made of inert materials resistant to chemicals like PTFE and PP. The use of a one-way check valve allows for low cost safe and secure solvent extraction in your laboratory.



## For GL45 thread type SCHOTT with check valves

The most common type of solvent reservoir encountered in analytical laboratories is GL45 from SCHOTT or DURAM. SMART HEALTHY CAPS are delivered with their fittings and ferrules for 1/8" and 1/16" tubing.



Ref. : SHC-1



Ref. : SHC-2



Ref. : SHC-3



Ref. : SHC- 4

Description	Reference
SMART HEALTHY CAP 1	SHC-1
SMART HEALTHY CAP 2	SHC-2
SMART HEALTHY CAP 3	SHC-3
SMART HEALTHY CAP 4	SHC-4



A complete range of solvents bottles perfectly adapted for GL45 SMART HEALTHY CAPS

volume (ml)	verre	Reference
250	clair	GL 250-C
250	ambré	GL 250-A
500	clair	GL 500-C
500	ambré	GL 500-A
1000	clair	GL1000-C
1000	ambré	GL1000-A
2000	clair	GL2000-C
2000	ambré	GL2000-A

## For GL45 thread with check valves and stopcock

GL45 SMART HEALTHY CAPS with a stopcock offer more flexibility, with no air bubbles inside the tubing. SMART HEALTHY CAPS are delivered with their fittings and ferrules for 1/8" and 1/16" tubing.



Description	Reference
SMART HEALTHY CAP V1	SHC-V-1
SMART HEALTHY CAP V2	SHC-V-2
SMART HEALTHY CAP V3	SHC-V-3

## SMART HEALTHY CAPS adaptors

Adaptors allow you to use GL45 SMART HEALTHY CAPS with your types of bottle threads (example for Merck analytical solvents GL40 threads).



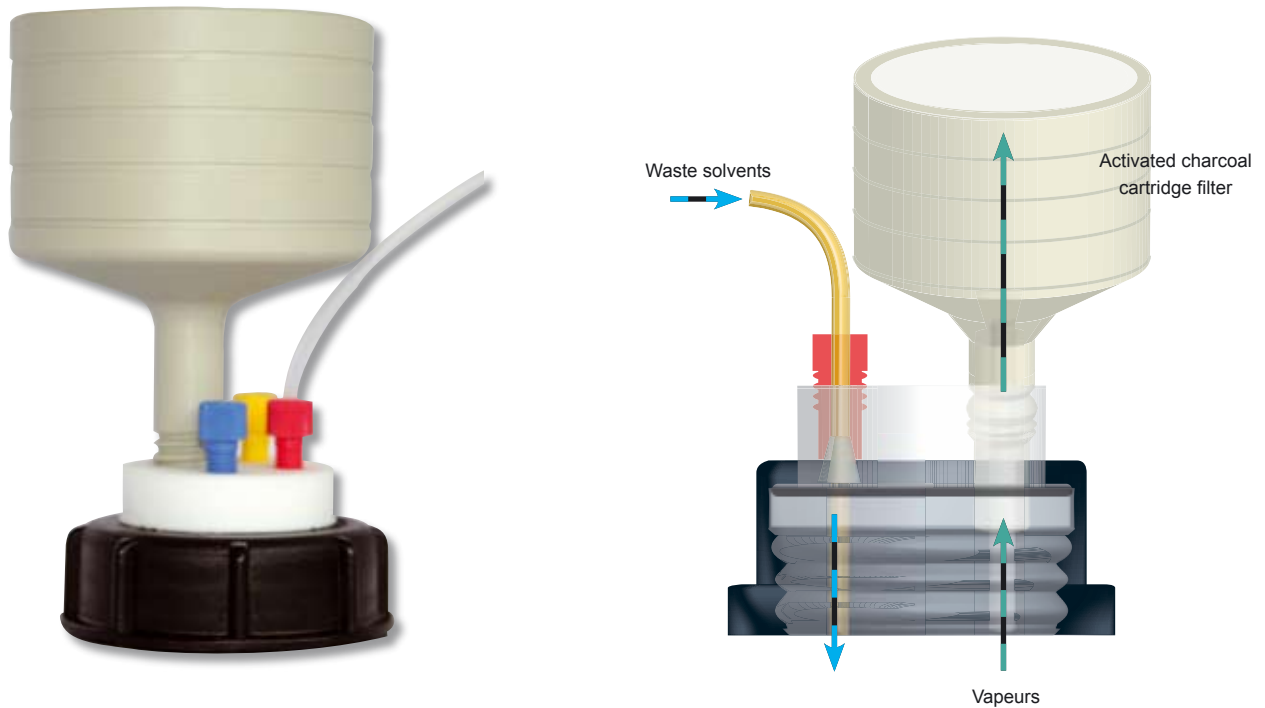
thread	To	Material	Reference
GL40	GL45	TFL	AD-40-T
GL40	GL45	PP	AD-40-PP
GL32	GL45	TFL	AD-32-T
GL32	GL45	PP	AD-32-PP

\* Eluant bottle type Merck

## For jerricans from 5 to 30 litres

The A.I.T range of SMART WASTE CAPS fit waste solvent jerricans from GL45 to S90 threads.

### Filtration principle



Activated charcoal cartridge filters over 95% waste solvents vapours and harmful gases.



Ref. : FC25



Ref. : FC50



Ref. : FC50-C

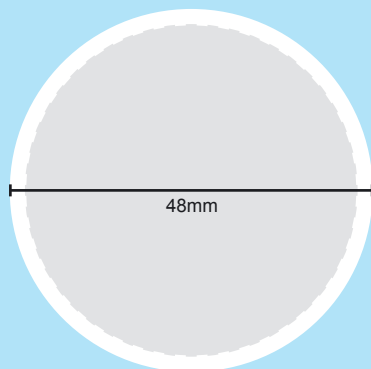
Description	Weigh of charcoal	Durability	Reference
charcoal cartridge filter	25g	3 months	FC25
charcoal cartridge filter	50g	6 months	FC50
Activated charcoal cartridge filter with anti-splash top	50g	6 months	FC50-C

## FOR YOUR CANS

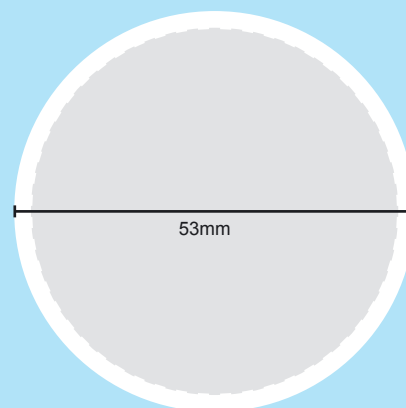
These gauges will help you define the right thread

\*S=norm ISO  
\*DIN=norm DIN

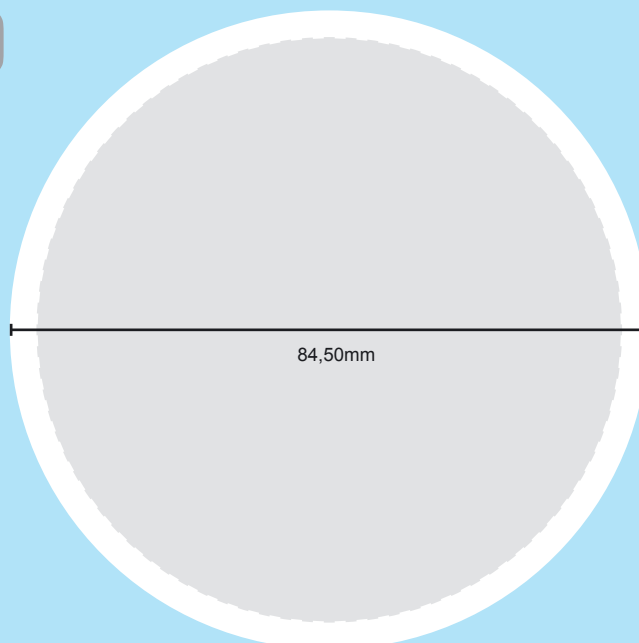
**S\*55=DIN\*51**



**S60/61=DIN60**



**S90/91=DIN90**





# GL45

AIT SMART WASTE CAPS GL45 with standard fittings and ferrules for 1/8" and 1/16" tubing.



**Ref. : SW45-3-C**  
 3 entries 1/8" and charcoal emplacement



**Ref. : SW45-4-C**  
 4 entries 1/8" and charcoal emplacement



**Ref. : SW45-3-C-1L**  
 3 entries 1/8", 1 barbed to port fitting 90° 8mm and charcoal emplacement



**Ref. : SW45-2-C-1L**  
 2 entries 1/8", 1 barbed to port fitting 90° 8mm and charcoal emplacement



For special fittings ask us - we have a solution.

SMART WASTE CAPS

# DIN51 S55

AIT SMART WASTE CAPS S51 / 55 with standard fittings and ferrules for 1/8" and 1/16" tubing.



For special fittings ask us - we have a solution.



Ref. : SW55-3-C  
3 entries 1/8" and charcoal emplacement



Ref. : SW55-2-C-1L  
2 entries 1/8" and 1 barbed to port fitting  
90° 8mm and charcoal emplacement



Ref. : SW55-1-C-3L  
1 entry 1/8" and 3 barbed to port fittings 8mm  
straight or 90° and charcoal emplacement

# DIN60 S60/61

AIT SMART WASTE CAPS S60/61 with standard fittings and ferrules for 1/8" and 1/16" tubing.



Ref. : SW60-3-C  
3 entries and 1 charcoal emplacement



Ref. : SW60-2-C-1L  
2 entries 1/8" and 1 barbed to port fitting 8mm and charcoal emplacement



Ref. : SW60-3-C-3L  
3 entries 1/8" and 3 barbed to port fittings 8mm straight or 90° and charcoal emplacement



For special fittings ask us - we have a solution.



Ref. : SW60-4-C-1L  
4 entries 1/8" and 1 barbed to port fitting 8mm and charcoal emplacement

SMART WASTE CAPS

# DIN90 S90

AIT SMART WASTE CAPS S90 with standard fittings and ferrules for 1/8" and 1/16" tubing.



For special fittings ask us -we have a solution.



Ref. : SW90-3-C  
3 entries 1/8" or 1/16" and charcoal emplacement



Ref. : SW90-3-C-1L  
3 entries 1/8" and 1 barbed to port fitting 8mm and charcoal emplacement



Ref. : SW60-4-C-1L  
4 entries 1/8" and 1 barbed to port fitting 8mm and charcoal emplacement



Ref. : SW90-3-C-2L  
3 entries 1/8" and 2 barbed to port fittings 8mm straight or 90° and charcoal emplacement

A secure way to store your waste solvents also equipped with standard fittings and ferrules for 1/8" and 1/16" tubing.



With a level indicator you can quickly analyze your solvent level changes. Also equipped with standard fittings and ferrules for 1/8" and 1/16" tubing



Ref. : SWC-55-LI

For thread :  
S51/55  
S60/61

Ref. :  
SWC-55-FS  
SWC-60-FS



Ref. : SWC-60-LI

## Space saving Burkle cans also equipped with standard fittings and ferrules for 1/8" and 1/16" tubing



BURKLE CANS  
 Ref. : BS-GP

For special fittings ask us - we have a solution.



Ref. : SWB-3-C  
 3 entries 1/8" or 1/16" and charcoal emplacement



Ref. : SWB-3-C-1L  
 3 entries 1/8" and 1 barbed to port fitting 8mm and charcoal emplacement



Ref. : SWB-4C-1L  
 4 entries 1/8" and 1 barbed to port fitting 8mm and charcoal emplacement



Ref. : SWB-3-C-2L  
 3 entries 1/8" and 2 barbed to port fittings 8mm straight or 90° and charcoal emplacement

## Cans from 5 to 25 litres

For waste solvents - chemically resistant, made in PE-HD



Volume	Material	Reference
5 litres S55	PE-HD	B5-55
10 litres S55	PE-HD	B10-55
25 litres S60	PE-HD	B25-60

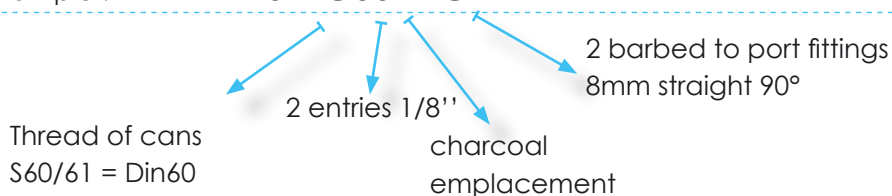
**SMART WASTE CAPS**

## How to make your own reference?

If you need special Smart Waste Caps that are not in our catalogue we can make them for you. Only we need one order of 5 pieces minimum, the total cost is 15% higher than equivalent stock items.

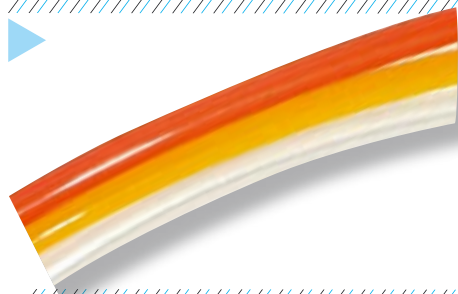
For example :

SWC60-2-C-2L



# accessories

## PTFE Capillaries



Ø external (inch)	Ø internal (mm)	Colour	Reference
1/8"	1,6	White	TP18-W
1/8"	1,6	Orange	TP18-O
1/8"	1,6	Red	TP18-R
1/16"	1,0	Natural	TP16-N

## Flangeless fittings and ferrules 1/8"

- ferrules 1/8" Ref. : F18
- flangeless fitting for ferrule 1/8" OD



Ø external (inch)	Colour	Reference
1/8"	Green	R18-G
1/8"	Red	R18-R
1/8"	Black	R18-BK
1/8"	Blue	R18-B
1/8"	Yellow	R18-Y

## Flangeless fittings and ferrules 1/16"

- ferrules 1/16" Ref. : F16
- flangeless fitting for ferrule 1/16" OD



Ø external (inch)	Colour	Reference
1/16"	Green	R16-G
1/16"	Red	R16-R
1/16"	Black	R16-BK
1/16"	Blue	R16-B
1/16"	Yellow	R16-Y

## Spare check valve

For a secure installation change your check valve every year.



Ref. : SHC-SV per unit

## Plugs

For a non utilized entry



1/8" plugs Ref. : VP-F18 per 10

Charcoal emplacement Ref. : VP-CA per unit

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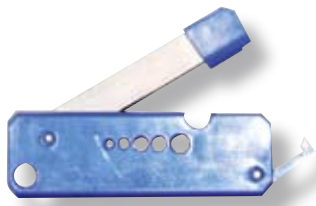


# accessories

## Tubing cutter

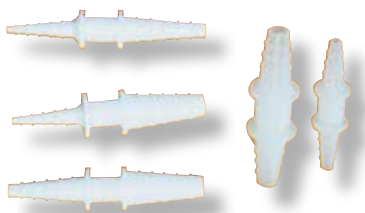
For plastic tubing, clean cut

Ref. : CT-01 per unit



## Reducers and adapters

Made in propylene



Ø in diameter (mm)	Ø out diameter (mm)	Reference	Quantity
4,2-8	4,2-8	CR-1	unit
6,5	6,5	CR-2	unit
10,5-16	6,5-12	CR-3	unit
10,5-16	3-7,5	CR-4	unit
7-11	7-12	CR-5	unit
11-15	7-12	CR-6	unit

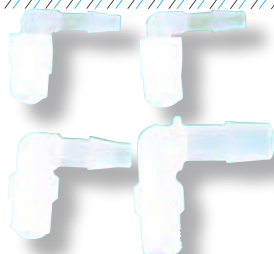
## Y-connectors

Made in propylene



Ø diameter (mm)	Reference	Quantity
3	Y-3	unit
5	Y-5	unit
7	Y-7	unit
9	Y-9	unit
11	Y-11	unit

## 90° barbed to port fitting connectors



Ø diameters Min. (mm)	Ø diameters Max. (mm)	Reference	Quantity
3	4	RC-34	unit
5	6	RC-56	unit
6	9	RC-69	unit
9	11	RC-911	unit

## Straight barbed to port fitting connectors



Ø diameters Min. (mm)	Ø diameters Max. (mm)	Reference	Quantity
3	4	RD-34	unit
5	6	RD-56	unit
6	9	RD-67	unit
9	11	RD-911	unit