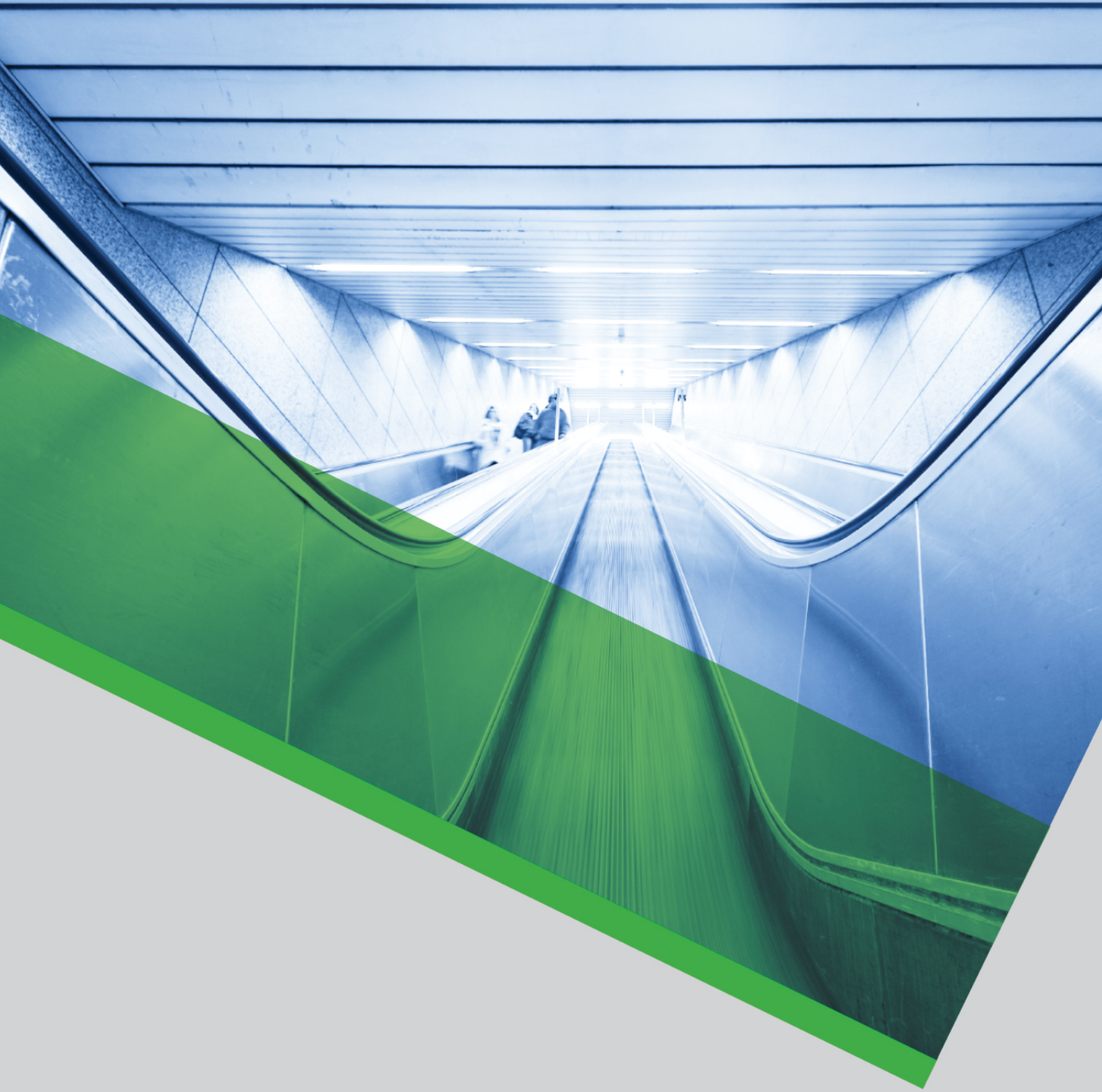




Reference Document

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Cylinder Safety (Transport) Caps

Version 1.1

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FIRE PROTECTION ASSOCIATION AUSTRALIA



Cylinder Safety (Transport) Caps

Leading and supporting a professional industry to minimise the impact of fire on life, property and the environment, for a safer community

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1.0 Introduction

The safe handling and transport of gaseous cylinders is extremely important to avoid injury caused by the accidental discharge of gaseous cylinders during transport, whether by vehicle or manual handling.

Cylinder safety (transport) caps are one of several safety mechanisms used to avoid such accidental discharges.

Where a cylinder in the field does not have a safety cap fitted, it should not be moved or transported until it is made safe by using the appropriate safety cap.

This document provides a list of cylinder safety caps and supplier details for the gaseous fire suppression cylinders most commonly used in Australia.

This list is intended to be a useful reference for technicians so that when they find cylinders with no safety cap they can easily identify the type of safety cap required and where it can be sourced from.

2.0 Safe handling and transport of cylinders

The safe handling and transport of cylinders is important, as outlined above.

You can ensure that you or your employees are capable and confident in the safe handling and transport of cylinders, by undertaking relevant training.

The unit of competency is PRMPFES025C, *Inspect, test and maintain gaseous fire suppression systems* is one of the most relevant units. It covers the requirements to complete mechanical inspection, testing and maintenance tasks on installed gaseous fire suppression systems including the safe handling and transport of cylinders.

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PRMPFES025C is found in the following nationally recognised qualifications:

- PRM20406 Certificate II in Asset Maintenance (Fire Protection Equipment)
- PRM30406 Certificate III in Asset Maintenance (Fire Protection Equipment)

These certificates—and unit PRMPFES025C—are available through FPA Australia and other Registered Training Organisations throughout Australia.

Please note that these certificates have been updated, although RTOs are still in the process of transitioning from the current to the new qualifications.

The new unit that replaces PRMPFES025C is CPPFES2025A, *Inspect, test and maintain gaseous fire-suppression systems* and is found in the following nationally recognised qualifications:

- CPP20511 Certificate II in Fire Protection Inspection and Testing

Note:

If the cylinders which you are handling or transporting contain Ozone Depleting Substances (ODS) or Synthetic Greenhouse Gases (SGG), you may need to hold an Extinguishing Agent Handling Licence (EAHL).

For more information, read the Fire Protection Industry (ODS & SGG) Board *Code of for the Reduction of Emissions of Ozone Depleting & Synthetic Greenhouse Gas Fire Extinguishing Agents* available at http://www.fpaa.com.au/media/48229/ods_sgg_code_of_practice.pdf.

The Fire Protection Industry (ODS & SGG) Board has developed information labels that should be affixed to:

- Fire indicator panels that are connected to systems containing ODS & SGG
- Cylinders containing ODS & SGG



For further information see <http://www.fpaa.com.au/ozone.aspx> or to order free copies of these labels, please call 1300 731 922.

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3.0 What if my cylinder is not listed here?

If the cylinder for which you need a safety cap is not listed in this document, please contact the cylinder manufacturer for information. Also, we would like to encourage you to notify us so that we can update this listing accordingly.

If you are a manufacturer or supplier of gaseous fire suppression cylinders and your cylinders and safety cap information is not in this document, we strongly encourage you to supply the relevant information to us for the benefit of those using your cylinders.

Please send any information or queries about this document to technical@fpaa.com.au.

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4.0 Cylinder Safety (Transport) Caps listing

The following is a list of the most commonly used gaseous fire suppression agent cylinders in Australia and their associated safety (transport caps).

Cylinder Safety (Transport) Caps

Chubb Fire & Security – TF12 CO₂ Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 Chubb TF12 valve with manual/electric actuator	<i>Photo currently unavailable</i>	Part number: 46926 Name: Transport cap Size: n/a Used on: n/a Applicable cylinder sizes: 45kg Other information: n/a

Delta Fire Australasia – Janus Fire Systems / Amerex FM-200 and Novec 1230 Cylinder

Photo (valve)	Photo (Safety cap)	Safety cap description
 Janus 130lb cylinder valve	 Janus 130lb cylinder valve with Anti-Recoil Safety Plug highlighted	Part number: 17559 Name: Anti-Recoil Safety Plug Size: 32mm Used on: SV Range of valves Applicable cylinder sizes: 40lb, 80lb and 130lb Other information: n/a

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Cylinder Safety (Transport) Caps

Delta Fire Australasia – Janus Fire Systems / Amerex FM-200 and Novec 1230 Cylinder

Photo (valve)	Photo (Safety cap)	Safety cap description
 Janus 420lb cylinder valve	 Janus 420lb cylinder valve with anti-recoil safety plug highlighted	Part number: 18570 Name: Anti-Recoil Safety Plug Size: 50mm Used on: MV Range of valves Applicable cylinder sizes: 250lb and 420lb Other information: n/a

Delta Fire Australasia – Janus Fire Systems / Amerex FM-200 and Novec 1230 Cylinder

Photo (valve)	Photo (Safety cap)	Safety cap description
 Janus 600lb valve	 Janus 600lb valve with anti-recoil safety plug highlighted	Part number: 18571 Name: Anti-Recoil Safety Plug Size: 80mm Used on: LV Range of valves Applicable cylinder sizes: 600lb, 900lb and 1,000lb Other information: n/a

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Cylinder Safety (Transport) Caps

Kidde Australia – ECS Cylinders (FM-200 and Novec)

Photo (valve)	Photo (Safety cap)	Safety cap description
 Kidde FM-200 ECS/NOVEC cylinder valve – 1 ½", 2" and 2 ½" sizes	 Kidde FM-200 ECS/NOVEC cylinder valve labelled with different caps – (1) Protection Cap, (2) Safety Cap	Part number: 933073 Name: Protection Cap Size: n/a Used on: Valve Actuation Port Applicable cylinder sizes: n/a Other information: n/a
		Part number: 844579 Name: Safety Cap Size: n/a Used on: 1-1/2" Valve Outlet Applicable cylinder sizes: 10lb, 20lb, 40lb, 70lb and 125lb Other information: n/a
		Part number: 878725 Name: Safety Cap Size: n/a Used on: 2" Valve Outlet Applicable cylinder sizes: 200lb, 225lb, 350lb and 375lb Other information: n/a
		Part number: 878728 Name: Safety Cap Size: n/a Used on: 2.5" Valve Outlet Applicable cylinder sizes: 600lb (old style FM-200 cylinders) Other information: n/a

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Cylinder Safety (Transport) Caps

Kidde Australia – ECS Cylinders - 3" Valve (FM-200 and Novec)

Photo (valve)	Photo (Safety cap)	Safety cap description
 Kidde FM-200 ECS/NOVEC cylinder valve – 3" Valve	 Kidde FM-200 ECS/NOVEC cylinder valve	Part number: 933073 Name: Valve outlet protection cap, kit Size: n/a Used on: Valve Actuation Port, 3" Valve Outlet Applicable cylinder sizes: 600lb, 675lb, 900lb and 1010lb Other information: Kit, 3" valve outlet replacement cap—includes 1 each of the following: • 06-118214-001 – Cotter Pin • 06-235954-001 – Recoil Plug • 06-235955-001 – Valve Cap • WK-220604-001 – Chain, 22" (Doesn't include Victaulic coupling, cylinder or valve)

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Cylinder Safety (Transport) Caps

Kidde Australia – C200 Cylinders (FM-200)

Photo (valve)	Photo (Safety cap)	Safety cap description
 Chubb C200 cylinder valve with caps	 Chubb C200 cylinder valve (safety caps highlighted)	Part number: 40/70642 Name: Pin Locking Size: n/a Used on: Valve Piston Applicable cylinder sizes: n/a Other information: n/a
		Part number: 40/70685 Name: Plug transport Size: 21mm Used on: n/a Applicable cylinder sizes: 6L, 10L, 15L and 25L Other information: n/a
		Part number: 40/70686 Name: Plug transport Size: 45mm Used on: n/a Applicable cylinder sizes: 41L, 63L and 100L Other information: n/a
		Part number: 40/70687 Name: Plug transport Size: (60mm) 58mm Used on: n/a Applicable cylinder sizes: 155L and 241L Other information: n/a

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Cylinder Safety (Transport) Caps

Kidde Australia – Argonite Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
  Top: Kidde black valve Argonite 200B cylinder Bottom: Kidde green valve Argonite cylinder (200B or 300B) with valve connected to system	 Kidde Argonite cylinder safety cap	Part number: T3 Cap Name: Safety Cap Size: n/a Used on: n/a Applicable cylinder sizes: 80L Other information: Black and green valve cylinders

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Cylinder Safety (Transport) Caps

Kidde Australia – Argonite C60 Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
  Top: Kidde Argonite C60 300B cylinder valve Bottom: Kidde green valve Argonite cylinder (200B or 300B) with valve connected to system	 Kidde Argonite C60 cylinder safety cap	Part number: T4 Cap Name: Safety Cap Size: n/a Used on: n/a Applicable cylinder sizes: 80L Other information: This can be used in place of a T3 Cap but a T3 Cap can't be used in place of a T4 Cap

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Cylinder Safety (Transport) Caps

Kidde Australia – CO₂ Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 5/8" I Valve in CO₂ cylinder connected to system	 Safety cap on CO₂ cylinder	Part number: CO₂ Cap Name: Safety Cap Size: n/a Used on: n/a Applicable cylinder sizes: 25lb, 50lb, 75lb and 100lb CO₂ cylinders Other information: n/a

Kidde Australia – N₂ (Nitrogen) Pilot Cylinders

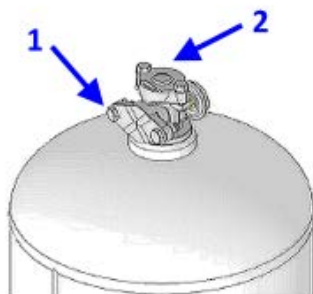
Photo (valve)	Photo (Safety cap)	Safety cap description
 Kidde N₂ pilot cylinder valve (5/8" I valve with pressure gauge) – for 2300, 4070 and 4890 cu in cylinders	 Kidde N₂ pilot cylinder protection cap – for 2300, 4070 and 4890 cu in cylinders	Part number: 933073 Name: Protection Cap Size: n/a Used on: N₂ Pilot Cylinder Applicable cylinder sizes: 2300, 4070 and 4890 cubic inch Other information: Valve caps: 2300CAP – 2300 cylinder cap 4070CAP – 4070 cylinder cap 4890CAP – 4890 cylinder cap

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Cylinder Safety (Transport) Caps

Kidde Australia – Wet Chemical and Dry Chemical System Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 Kidde wet chemical and dry chemical cylinders: Wet chemical cylinders WHDR-125, WHDR-260, WHDR-400S, WHDR-400M and WHDR-600 Dry chemical cylinders IND-21, IND-25, IND-45, IND-50, IND-70 and IND-75	 (1) Anti-recoil and (2) valve protection plate locations	Part number: WK-255681-000 Name: Protection Plate (for actuator connection) Size: n/a Used on: n/a Applicable cylinder sizes: n/a Other information: n/a
		Part number: WK-255096-000 Name: Valve Outlet Anti-Recoil Plate Size: n/a Used on: n/a Applicable cylinder sizes: n/a Other information: n/a

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Cylinder Safety (Transport) Caps

LPG Fire Australia – Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 Top: (1) 3L & 26L LPG 128 valve (2) 67L LPG 145 valve Middle: (3) 120L LPG 190 valve (4) 80L iFlow valve with flange Bottom: (5) iFlow gauge	 Red transport cap	Part number: 61111111 (3L, 26L, 67L, 80L), 61110190 (120L) Name: Red transport cap Size: 250 mm (approx.) Used on: LPG128, LPG145, LPG190 & iFlow (cylinders with flange) Applicable cylinder sizes: 3L, 26L, 67L, 80L & 120L Other information: Cylinders with flange. Gauge does not need to be removed for transport

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LPG Fire Australia – Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 iFlow valve cylinders without flange	 iFlow transport cap	Part number: 35116235—also includes gauge transport plug part 9511 6092 Name: iFlow grey transport cap Size: n/a Used on: iFlow valves Applicable cylinder sizes: 80lts Other information: No flange, gauge has to be removed for transport. Transport plug is also needed for gauge port, contact LPG Fire for the instructions to remove gauge from iFlow cylinders.

LPG Fire Australia – Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 LPG 190 valve with activation package mounted on valve	 Transport cap for LPG190 with activation package	Part number: 61110191 Name: Master cylinder transport cap Size: n/a Used on: LPG 190 master cylinder for banks of cylinders Applicable cylinder sizes: 120lts Other information: n/a

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Cylinder Safety (Transport) Caps

Wormald – Tyco Inergen Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 Left: Tyco Inergen cylinder without a transport cap fitted Right: Tyco Inergen cylinder with a transport cap fitted	 Tyco Inergen cylinder transport cap	Part number: IG CAPCV90 Name: Transport cap Size: 80 L Used on: CV90 & CV98 Applicable cylinder sizes: 150 bar and 200 bar Other information: Transport cap to be permanently fitted. Cylinder can be fitted to system without cap. There is no separate discharge cap. The valve has an anti-recoil device built into the discharge port.

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Cylinder Safety (Transport) Caps

Wormald – Tyco CO₂ Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 Wormald Marine Valve with no discharge cap or transport cap fitted	 Top: Valve with discharge cap fitted Bottom: Transport cap fitted over valve assembly	Part number: 73066 Name: Transport cap Size: n/a Used on: n/a Applicable cylinder sizes: 45kg Other information: n/a

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Cylinder Safety (Transport) Caps

Wormald – Tyco Sapphire & FM-200 Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 	 	Part number: 21170 Name: Discharge Cap Size: n/a Used on: 1" Valve Applicable cylinder sizes: n/a Other information: There is no transport cap with these cylinders
		Part number: 21171 Name: Discharge Cap Size: n/a Used on: 2" Valve Applicable cylinder sizes: n/a Other information: There is no transport cap with these cylinders

Top: Tyco Sapphire/FM-200 cylinder 1" valve with no discharge cap fitted

Bottom: Tyco Sapphire/FM-200 cylinder 2" valve with no discharge cap fitted

Top: Tyco Sapphire/FM-200 cylinder 1" valve with discharge cap fitted

Bottom: Tyco Sapphire/FM-200 cylinder 2" valve with discharge cap fitted

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Cylinder Safety (Transport) Caps

Wormald – Tyco NAF-S-III Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 2" Valve with no discharge cap or actuator cover fitted	 Valve with (1) discharge cap and (2) actuator cover fitted	Part number: 54767 Name: Discharge Cap Size: n/a Used on: 1" Valve Applicable cylinder sizes: n/a Other information: There is no transport cap with these cylinders
		Part number: 54768 Name: Discharge Cap Size: n/a Used on: 2" Valve Applicable cylinder sizes: n/a Other information: There is no transport cap with these cylinders

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Wormald – Tyco Halon Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 Tyco halon cylinder valve with no discharge cap fitted	 Top: Tyco halon cylinder valve with discharge cap fitted Bottom: Tyco halon cylinder valve with transport cap fitted	Part number: AGF 2624 Name: Discharge Cap Size: n/a Used on: n/a Applicable cylinder sizes: n/a Other information: n/a Part number: AGF 2005 Name: Transport Cap, Screwed Type Size: n/a Used on: n/a Applicable cylinder sizes: n/a Other information: n/a

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Wormald – Tyco Halon Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 Tyco halon cylinder valve with no discharge cap fitted	  Top: Tyco halon cylinder valve with discharge cap fitted Bottom: Tyco halon cylinder valve with transport cap fitted	Part number: AGF 2624 Name: Discharge Cap Size: n/a Used on: n/a Applicable cylinder sizes: n/a Other information: n/a Part number: AGF 2402 Name: Transport Cap, Bolted Type Size: n/a Used on: n/a Applicable cylinder sizes: n/a Other information: n/a

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Cylinder Safety (Transport) Caps

Wormald – Tyco CO₂ and Nitrogen Pilot Cylinders

Photo (valve)	Photo (Safety cap)	Safety cap description
 Left: Tyco Nitrogen Cartridge without a transport cap Right: Tyco Nitrogen Cartridge with a transport cap fitted	 	Part number: 1357 Name: Right-hand thread Size: n/a Used on: n/a Applicable cylinder sizes: 5, 10, 20, 30 Other information: n/a
	  Top: Right-hand thread transport cap (inside & outside) Bottom: Left-hand thread transport cap (inside & outside)	Part number: 1188 Name: Left hand thread Size: n/a Used on: n/a Applicable cylinder sizes: 5, 10, 20, 30 Other information: n/a

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5.0 Supplier Contacts

Contact details for the suppliers included in the listing above are as follows:

Supplier	Website	Phone
Chubb Fire and Security	www.chubb.com.au	13 15 98
Delta Fire Australasia Pty Ltd	www.deltafire.com.au	07 3349 7817
Kidde Australia	www.kidde.com.au	1800 672 171
LPG Fire Australia	www.lpgfire.com.au	07 5522 1953
Wormald	www.wormald.com.au	133 166

6.0 Disclaimer

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