

# Cylinder Valve Guards



The plastic cylinder valve guard protects valves from accidental damage and is for use on all Industrial Gas cylinders up to 50 kg gross filled weight (Nylon) and 35 kg (ABS plastic).

The permanent valve guard provides a strong carrying handle, yet gives full, open access to the cylinder valve for easy connection to system fittings.

Material strength and design of the valve guard have been rigorously tested to ensure that maximum valve protection is achieved under all environmental conditions.

The guards are manufactured and tested in accordance with ISO 11117 which ensures safe cylinder transportation, handling and storage.

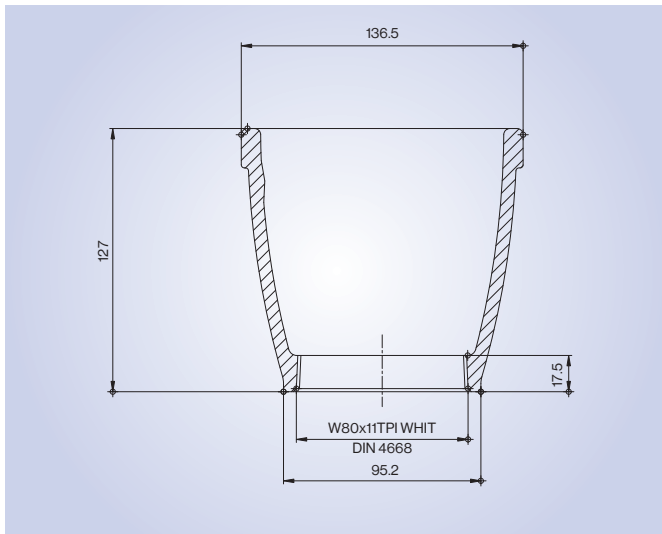
Durable valve guard printing improves cylinder identification and allows safety instructions to be prominently displayed.

Valve guards can be moulded in a wide range of colours allowing colour coding for particular gases or customers. This can considerably speed up cylinder identification during sorting, filling and delivery.

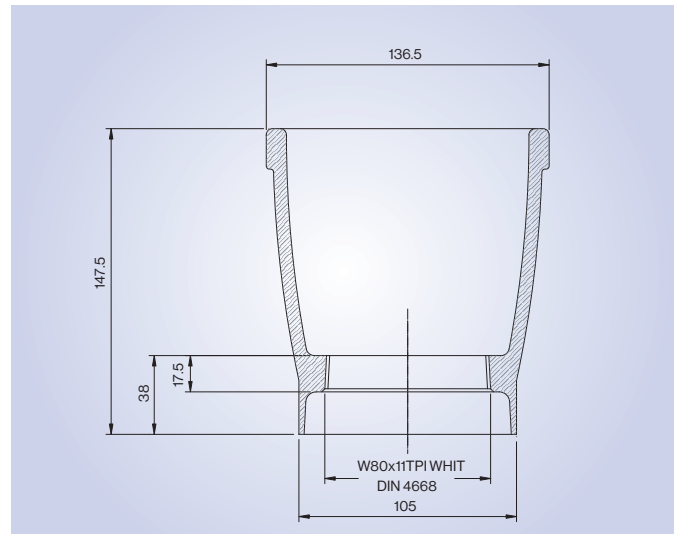
Manufactured in tough ABS plastic or nylon the valve guard can be moulded to fit a wide range of neck ring sizes both threaded and plain, fitted using strong moulded threads or a metal circlip.

The guard is manufactured in two heights, 127 mm and 114 mm, threads available include BSP, DIN, SI and ANC with diameters between 52 mm and 83 mm.

## Typical Format Without Base Extension



## Typical Format With Base Extension



## Valve Guard Printing

The two outer faces of the cylinder valve guard and skirt (where available) can be durably printed during production, for example with your company name and logo to give clear indication of ownership and with safety warning instructions to comply with all local safety requirements.

Unskirted	Skirted
83 mm (3.26 in) x 11 TPI DIN 4668 Whitworth	83 mm (3.26 in) x 11 TPI DIN 4668 Whitworth
82 mm (3.22 in) x 11 TPI DIN 4668 Whitworth	80 mm (3.14 in) x 11 TPI DIN 4668 Whitworth
80 mm (3.14 in) x 11 TPI DIN 4668 Whitworth	63.5 mm (2.5 in) x 11 TPI DIN 4668 Whitworth
63.5 mm (2.5 in) x 11 TPI DIN 4668 Whitworth	Plain bore Ø76 mm
Plain bore Ø77 mm	Plain bore Ø57 mm
Plain bore Ø75 mm	Plain bore Ø52 mm
Plain bore Ø63 mm	2¾ in BS 2779
Plain bore Ø60 mm	1¾ in BS 2779
Plain bore Ø57 mm	
Plain bore Ø51 mm	
78 mm SI thread	
66 mm SI thread	
2¾ in BS 2779	
1¾ in BS 2779	
3½ in x 11 TPI ANC	

## Instructions for the Assembly of Threaded Plastic Valve Guards

### Valve Guard Preparation Prior to Assembly

The guard must be placed in a thermostatically controlled hot water bath with the threaded portion totally immersed and soaked at 80°C for 10 minutes. Avoid immersion periods of over one hour to prevent colour fading.

### Procedure for Fitting Guards

The guard should be fitted after the valve has been inserted in the cylinder. The guard should be removed from the hot water bath, immediately screwed fully onto the cylinder collar thread and positioned so that the valve outlet is centrally placed in the valve guard opening.

Lubricants or adhesives must not be used in fitting the guard onto the cylinder.



Air Liquide UK Limited, Station Road, Coleshill, Birmingham B46 1JY.  
Tel: +44 (0)1782 822061 Fax: +44 (0)1782 826850  
Email: [engineering.aluk@airliquide.com](mailto:engineering.aluk@airliquide.com)

[www.industry.airliquide.co.uk/  
equipment-co2](http://www.industry.airliquide.co.uk/equipment-co2)



The world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 65,000 employees and serves more than 3 million customers and patients.