

# Explosafe jerry cans -

## Maximum safety in storage of dangerous liquids!

### Explosafe can

Explosafe cans are manufactured in accordance with BAM dangerous goods transportation rules. Explosafe cans are suitable for 2nd and 3rd class dangerous goods which not exceed density of 1.2kg/l.

Explosion suppression system prevents destructive pressure on the formation of vapor or gas fire. "Damping" suppresses the spread by separating liquid in small cells of the mesh. Porous material absorbs the heat, which occurs during the reaction.

Cans are suited for hazardous fuel liquids storage and transportation. Cans are recommended for use in the areas where is a risk of explosion or fire.

### Gains of use

- ✓ Reduction of danger in the event of fire
- ✓ Prevention of volatile liquids and gases from exploding
- ✓ Increase of crash resistance of cans
- ✓ Reduction of sloshing movement of liquid cargo
- ✓ Prevention of electrostatic charges
- ✓ Protection against electromagnetic disturbances (EMDs)
- ✓ Maintenance-free protection
- ✓ Long life expectancy
- ✓ No impact on fuel-system performance
- ✓ Recyclable and reusable
- ✓ Nonabsorbent filling

### Common use of explosafe cans

- ✓ Fire and rescue equipment (fire trucks)
- ✓ Metro
- ✓ Railways
- ✓ Military vehicles etc.



• BALAJIT  
• GEPRÜFT  
• TYPE  
• APPROVED



### Description of Explosafe jerry cans

- Displacement of mesh is 1%
- Foil does NOT require any maintenance
- Prevents electrostatic charges
- No effect on fuel performance. Fuel flow continues smoothly without any adverse effect.
- Available 5l, 10l and 20l volumes
- Wide color range (according to RAL catalogue)
- Corresponding rubber seal and safety pin
- Inside of jerry can is NOT coated
- Produced in accordance with BAM requirements and under ISO 9001:2000; OHSAS 18001:2007; ISO 14001:2004 standards
- Dimensions of explosafe jerry cans conform to sizes of standard cans:

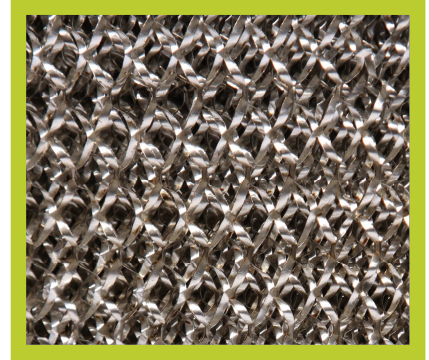
Volume, Art.No.	Weight, kg	Mesh weight, g	Dimensions, mm
20L (S 2100)	4.8	512	470x165x345
10L (S 1100)	3.5	256	275x165x345
5L (S 5100)	2	128	310x120x230

# What's inside the jerry can?

## Aluminum foil mash

*Explosafe* jerry cans are filled with highly efficient specific material – aluminum foil mash. This aluminum mesh has been proven to perform in a diverse range of applications, it offers a range of versatile features which have been adapted to suit a range of functional applications including heat spacers in the automotive industry, anti-explosive products and components for grease air and oil filtration. Explosion suppression safety foil is commonly used in fuel storage tanks for petrol and even aviation fuel at airports as well as helicopter landing pads.

Extensive testing by the MOD has proven that storage tanks filled with both – fuel and aluminum foil – are able to withstand bullet and shrapnel penetration as well as direct combustion without actually exploding. A further advantage is minimum displacement of only 1% of volume filled.



## Qualities and benefits

*Explosafe* foil mesh prevents rapid liquid movement and dangerous shifts in the center of gravity. Mesh has demonstrated slosh reduction on can walls by a factor of forty with moderate, sinusoidal accelerations. The foil provides a grounded matrix throughout the can interior. *Explosafe* is unsurpassed in its ability to dissipate electrostatic charges resulting from fuel flow and turbulence.

*Explosafe* is recommended for use where dangerous fuels are handled or stored, and where explosive atmospheres may form. It is particularly suitable for the protection of vehicle tanks – land and sea vehicles, as well as aircraft – both in the military and in the public sector. It is also a good and affordable solution for the protection of petrol stations and fuel storage sites.

The *explosafe* system is passive and does not require any maintenance program.



**COMPANY:** VALPRO is one of the world leaders in manufacture of highest quality jerry cans and accessories for civilian and military sectors. VALPRO jerry cans reach users in more than 25 countries around the Globe.

**QUALITY. RELIABILITY.  
SAFETY.**



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