

Type G90 Fire resistant gas cylinder cabinets

The fire resistant Maximum safety.

Temperature increase of less than 50 K on the cylinder after 90 minutes according to EN 14470-2.

G90 EN 14470-2
90 minutes
max. 50 k increase of temperature
FIRE CHAMBER TESTED - TYPE PROVED

Indoor storage and provision of pressurised gas cylinders according to EN 14470-2 (G90)

Optimal and maximum fire protection

- Optimum and highest possible fire protection: compliance with the max. temperature increase allowed on the surface of bottle valve bracket of 50 K after 90 minutes according to EN 14470-2
- Extraction air inlet on the top
- Adjusting aids to compensate for uneven floor
- Earthing link (standard)

Construction

- Large interior height (1858 mm), easy and convenient installation of gas fittings and pipes

Wing doors

- Door locks in place at 0° (even if the doors are not locked)



1858 mm interior height, easy and efficient installation of gas fittings and pipes.



- 180° max. opening angle, interior of the cabinet completely visible

Pipes

- Up to 72 lead-through points possible for pipes, sensors etc. in the ceiling of the cabinet

Interior equipment

Rolling ramp:

- Rigidly fixed in the cabinet, lightweight
- Convenient and safe use, dampened folding down
- Low rolling edge, high safety when manoeuvring cylinders into the cabinet

Cylinder retainer:

- Across the whole width of the cabinet
- Distance between the cylinders and the rear panel, gives plenty of space for flexible spiral piping

Ventilation

- Complete, uniform ventilation of

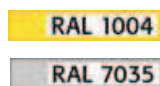
- cabinet interior (floor and ceiling)
- Air extraction (120 times air change) with pressure drop below 150 Pa, confirmed by examination

Accessories

- Height adjustable and tilt-resistant shelf (loading capacity 75 kg, evenly distributed load), across the whole cabinet width
- Cylinder retainer, height adjustable for 10 ltr. cylinder types



Cylinder locking (suitable for existing master-key systems).



Rolling ramp can be easily hinged down without the need to bend down, easy and safe operation.

Type G90 Fire resistant gas cylinder cabinets - Overview

Safe storage and provision of pressurised gas cylinders according to EN 14470-2 (G90)



Model G90.205.140 Fire resistant gas cylinder cabinet with standard interior equipment (cylinders and gas fittings are not included in supplied items) (page 88)



Model G90.205.60 Fire resistant gas cylinder cabinet with standard interior equipment (cylinders and gas fittings are not included in supplied items) (page 89)



Model G90.205.120 Fire resistant gas cylinder cabinet with standard interior equipment (cylinders and gas fittings are not included in supplied items) (page 88)



Model G90.205.90 Fire resistant gas cylinder cabinet with standard interior equipment (cylinders and gas fittings are not included in supplied items) (page 89)

Type G90 Fire resistant gas cylinder cabinets



Gas cylinder cabinets

- Fire resistance **90 minutes** according to **EN 14470-2 (G90)**
- GS approved
- Labelling according to **EN 14470-2**

G90.205.140

- Cabinet dimensions W x D x H (mm):
exterior: approx. 1400 x 615 x 2050
interior: approx. 1240 x 425 x 1858
- Weight: **approx. 690 kg**

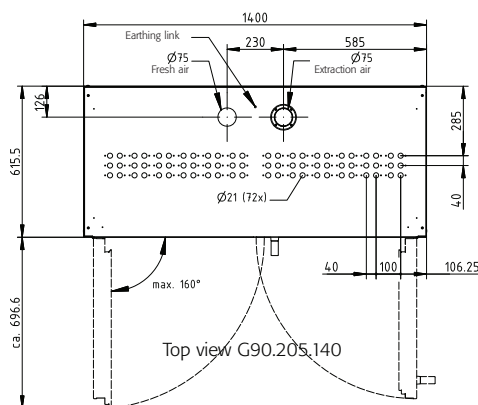
Standard interior equipment

- Rolling ramp made from galvanised, corrugated sheet steel (standard version)
- Adjustable rails to fix manifolds and fittings
- Cylinder retainer with ratched straps for 4 cylinders

Pipes

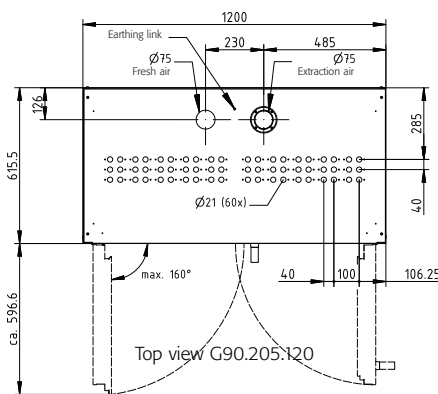
- Up to 72 lead-through points possible for pipes, sensors etc. in the ceiling of the cabinet

Model G90.205.140 Fire resistant gas cylinder cabinet with standard interior equipment



Extraction air connection

Connection Ø	(mm)	75
Change of air	10 times	m ³ /h 10
Pressure drop	(Pa)	3
Change of air	120 times	m ³ /h 118
Pressure drop	(Pa)	150



Extraction air connection

Connection Ø	(mm)	75
Change of air	10 times	m ³ /h 8,5
Pressure drop	(Pa)	2
Change of air	120 times	m ³ /h 101
Pressure drop	(Pa)	110

G90.205.120

- Cabinet dimensions W x D x H (mm):
exterior: approx. 1200 x 615 x 2050
interior: approx. 1040 x 425 x 1858
- Weight: **approx. 610 kg**

Standard interior equipment

- Rolling ramp made from galvanised, corrugated sheet steel (standard version)
- Adjustable rails to fix manifolds and fittings
- Cylinder retainer with ratched straps for 4 cylinders

Pipes

- Up to 60 lead-through points possible for pipes, sensors etc. in the ceiling of the cabinet

G90 Gas cylinder cabinets

Model	Material, colour	recommended quantity	Order Code
G90.205.140, 2 wing doors, excl. interior equipment	light grey, RAL 7035		17847
G90.205.140-G, 2 wing doors, excl. interior equipment	yellow, RAL 1004		18980
Standard interior equipment	fold-away ramp, mounting rails, cylinder retainer		18567
Comfort interior equipment	fold-away ramp comfort, mounting rails, cylinder retainer	1	19552
G90.205.120, 2 wing doors, excl. interior equipment	light grey, RAL 7035		17578
G90.205.120-G, 2 wing doors, excl. interior equipment	yellow, RAL 1004		18977
Standard interior equipment	fold-away ramp, mounting rails, cylinder retainer		18566
Comfort interior equipment	fold-away ramp comfort, mounting rails, cylinder retainer	1	19556

Type G90 – Fire resistant gas cylinder cabinets



Gas cylinder cabinets

- Fire resistance **90 minutes** according to EN 14470-2 (G90)
- GS approved
- Labelling according to EN 14470-2

G90.205.90

- Cabinet dimensions W x D x H (mm):
exterior: approx. 900 x 615 x 2050
interior: approx. 740 x 425 x 1858
- Weight: **approx. 490 kg**

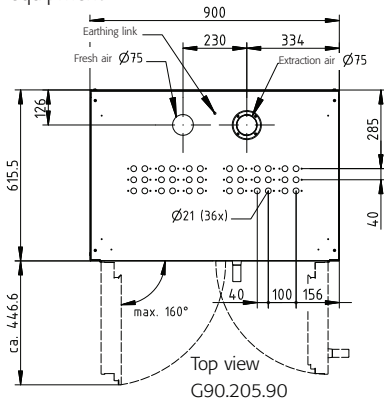
Standard interior equipment

- Rolling ramp made from galvanised, corrugated sheet steel (standard version)
- Adjustable rails to fix manifolds and fittings
- Cylinder retainer with ratched straps for 3 cylinders

Pipes

- Up to 36 lead-through points possible for pipes, sensors etc. in the ceiling of the cabinet

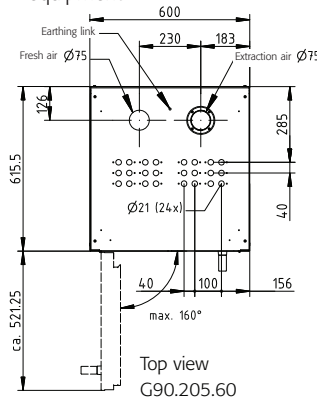
Model G90.205.90 Fire resistant gas cylinder cabinet with standard interior equipment



Extraction air connection

Connection Ø		(mm)	75
Change of air	10 times	m ³ /h	6,5
Pressure drop		(Pa)	2
Change of air	120 times	m ³ /h	76
Pressure drop		(Pa)	63

Model G90.205.60 Fire resistant gas cylinder cabinet with standard interior equipment



Extraction air connection

Connection Ø		(mm)	75
Change of air	10 times	m ³ /h	4
Pressure drop		(Pa)	1
Change of air	120 times	m ³ /h	51
Pressure drop		(Pa)	28

G90.205.60

- Cabinet dimensions W x D x H (mm):
exterior: approx. 600 x 615 x 2050
interior: approx. 440 x 425 x 1858
- Weight: **approx. 365 kg**

Standard interior equipment

- Rolling ramp made from galvanised, corrugated sheet steel (standard version)
- Adjustable rails to fix manifolds and fittings
- Cylinder retainer with ratched straps for 2 cylinders

Pipes

- Up to 24 lead-through points possible for pipes, sensors etc. in the ceiling of the cabinet

G90 Gas cylinder cabinets

Model	Material, colour	recommended quantity	Order Code
G90.205.90 , 2 wing doors, excl. interior equipment	light grey, RAL 7035		17812
G90.205.90-G , 2 wing doors, excl. interior equipment	yellow, RAL 1004		18974
Standard interior equipment	fold-away ramp, mounting rails, cylinder retainer		18565
Comfort interior equipment	fold-away ramp comfort, mounting rails, cylinder retainer	1	19560
G90.205.60 , 1 wing door, left hand, excl. interior equipment	light grey, RAL 7035		17737
G90.205.60-R , 1 wing door, right hand, excl. interior equipment	light grey, RAL 7035		18966
G90.205.60-G , 1 wing door, left hand, excl. interior equipment	yellow, RAL 1004		18969
G90.205.60-GR , 1 wing door, right hand, excl. interior equipment	yellow, RAL 1004		18971
Standard interior equipment	fold-away ramp, mounting rails, cylinder retainer		18561
Comfort interior equipment	fold-away ramp comfort, mounting rails, cylinder retainer	1	19564

Type G90 Fire resistant gas cylinder cabinets

Comparison of rolling ramps

Version Standard



- Galvanized sheet steel, length 250 mm
- chamfers to prevent slippage of cylinders
- Hand operation of the rolling ramp for
 - hinging down
 - easily lifting and
 - hinging upwithout the need to bend down
- Rolling ramp is flush with the floor of the cabinet, easy and safe pulling/rolling out of gas cylinders

Version Comfort



- Galvanized, corrugated sheet steel, cathodic dip-coated (black), sturdy, scratch and impact resistant
- Corrugated for optimal prevention from slippage of cylinders
- Length 350 mm, flat angle
- Hand operation of the rolling ramp with pneumatic damping for
 - hinging down
 - easily lifting and
 - hinging upwithout the need to bend down
- Rolling ramp is flush with the floor of the cabinet, easy and safe pulling/rolling out of gas cylinders

Type G90 Fire resistant gas cylinder cabinets

Complete approval documentation

asecos provides quality with the stamp of excellence



DIN EN



The new generation of G90 - cabinets
Maximum safety in the event of a fire

Each cabinet model has successfully passed the fire chamber test of an independent material testing institute.

Each cabinet model is classified G90 (90 minutes) in accordance with EN 14470-2. Compliance with limit value (max. temperature rise at the surface of cylinder valve bracket by 50 K after 90 minutes) was achieved with the tube connected and a three conductor electric cable without additional insulation.

The flame exposure is carried out in accordance with the standard temperature curve of EN 1363-1 for 90 minutes. The requirements of EN 14470-2 were fulfilled for 90 minutes.

Safety in daily use

Each cabinet has been successfully tested in accordance with stated safety requirements.

Documented with testing certificates by independent testing organisations (Material Testing Institute Dresden).

Quality check

The production of these safety cabinets is subject to, permanent monitoring by an authorised, independent material testing institute. This means that the cabinets are regularly tested again in a fire chamber.

Type G30 Fire resistant gas cylinder cabinets

The fire resistant Maximum safety.

Temperature increase of less than 50 K on the cylinder after 30 minutes according to EN 14470-2.

G30 EN 14470-2
30 minutes
max. 50 k increase of temperature
FIRE CHAMBER TESTED - TYPE PROVED

Indoor storage and provision of pressurised gas cylinders according to EN 14470-2 (G30)

Optimal and maximum fire protection

- Optimum and highest possible fire protection: compliance with the max. temperature increase allowed on the surface of bottle valve bracket of 50 K after 30 minutes according to EN 14470-2
- Extraction air inlet on the top
- Adjusting aids to compensate for uneven floor
- Earthing link (standard)

Construction

- Large interior height (1892 mm), easy and convenient installation of gas fittings and pipes

Wing doors

- Door locks in place at 0° (even if the doors are not locked)



1892 mm interior height, easy and efficient installation of gas fittings and pipes.

- Door can be held open at 90°
- 160° max. opening angle, interior of the cabinet completely visible

Interior equipment

Rolling ramp:

- Rigidly fixed in the cabinet, lightweight
- Convenient and safe use, dampened folding down
- Low rolling edge, high safety when manoeuvring cylinders into the cabinet

Cylinder retainer:

- Across the whole width of the cabinet
- Distance between the cylinders and the rear panel, gives plenty of space for flexible spiral piping

Ventilation

- Complete, uniform ventilation of cabinet interior (floor and ceiling)
- Air extraction (120 times air change) with pressure drop below 150 Pa, confirmed by examination

Accessories

- Height adjustable and tilt-resistant shelf (loading capacity 75 kg, evenly distributed load), across the whole cabinet width
- Cylinder retainer, height adjustable for 10 ltr. cylinder types



Wing doors with arm which locks in.

RAL 1004
RAL 7035



EN



Rolling ramp: low edge for a safe manoeuvring of gas cylinders into the cabinet.

Type G30 Fire resistant gas cylinder cabinets - Overview

Safe storage and provision of pressurised gas cylinders according to EN 14470-2 (G30)



Model TRG.205.140-G Fire resistant gas cylinder cabinet with standard interior equipment (cylinders and gas fittings are not included in supplied items) (page 94)



Model TRG.205.120 Fire resistant gas cylinder cabinet with standard interior equipment and height adjustable cylinder retainer (as an option) (cylinders and gas fittings are not included in supplied items) (page 94)



Model TRG.205.90-G Fire resistant gas cylinder cabinet with standard interior equipment (cylinders and gas fittings are not included in supplied items) (page 95)



Model TRG.205.60 Fire resistant gas cylinder cabinet with standard interior equipment (cylinders and gas fittings are not included in supplied items) (page 95)

Type G30 Fire resistant gas cylinder cabinets



Gas cylinder cabinets

- Fire resistance **30 minutes** according to **EN 14470-2 (G30)**
- GS approved
- Labelling according to **EN 14470-2**

TRG.205.140

Technical data model TRG.205.140:

- Dimensions W x D x H (mm):
exterior: approx. 1400 x 615 x 2050
interior: approx. 1290 x 450 x 1900
- Weight: **approx. 510 kg**

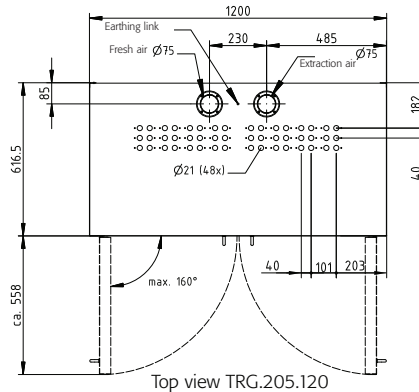
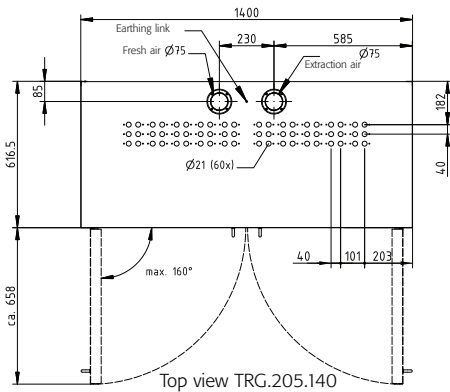
Standard interior equipment

- Rolling ramp made from galvanised, corrugated sheet steel (standard version)
- Adjustable rails to fix manifolds and fittings
- Cylinder retainer with ratched straps for 4 cylinders

Pipes

- Up to 60 lead-through points possible for pipes, sensors etc. in the ceiling of the cabinet

Model TRG.205.140-G Fire resistant gas cylinder cabinet with standard interior equipment



Extraction air connection

Connection Ø	(mm)	75
Change of air 10 times	m ³ /h	11
Pressure drop	(Pa)	3
Change of air 10 times	m ³ /h	132
Pressure drop	(Pa)	148

Extraction air connection

Connection Ø	(mm)	75
Change of air 10 times	m ³ /h	9
Pressure drop	(Pa)	3
Change of air 10 times	m ³ /h	112
Pressure drop	(Pa)	121

TRG.205.120

Technical data model TRG.205.120:

- Dimensions W x D x H (mm):
exterior: approx. 1200 x 615 x 2050
interior: approx. 1090 x 450 x 1900
- Weight: **approx. 470 kg**

Standard interior equipment

- Rolling ramp made from galvanised, corrugated sheet steel (standard version)
- Adjustable rails to fix manifolds and fittings
- Cylinder retainer with ratched straps for 4 cylinders

Pipes

- Up to 48 lead-through points possible for pipes, sensors etc. in the ceiling of the cabinet

G30 Gas cylinder cabinets

Model	Material, colour	recommended quantity	Order Code
TRG.205.140, 2 wing doors, excl. interior equipment	light grey, RAL 7035		20867
TRG.205.140-G, 2 wing doors, excl. interior equipment	yellow, RAL 1004		20874
Standard interior equipment	fold-away ramp, mounting rails, cylinder retainer	1	12848
TRG.205.120, 2 wing doors, excl. interior equipment	light grey, RAL 7035		20861
TRG.205.120-G, 2 wing doors, excl. interior equipment	yellow, RAL 1004		20866
Standard interior equipment	fold-away ramp, mounting rails, cylinder retainer	1	12846

Type G30 Fire resistant gas cylinder cabinets



Model TRG.205.90-G Fire resistant gas cylinder cabinet with standard interior equipment



Model TRG.205.60 Fire resistant gas cylinder cabinet with standard interior equipment

Gas cylinder cabinets

- Fire resistance **30 minutes** according to **EN 14470-2 (G30)**
- GS approved
- Labelling according to **EN 14470-2**

TRG.205.90

- Dimensions W x D x H (mm):
exterior: approx. 900 x 615 x 2050
interior: approx. 790 x 450 x 1900
- Weight: **approx. 340 kg**

Standard interior equipment

- Rolling ramp made from galvanised, corrugated sheet steel (standard version)
- Adjustable rails to fix manifolds and fittings
- Cylinder retainer with ratched straps for 3 cylinders

Pipes

- Up to 24 lead-through points possible for pipes, sensors etc. in the ceiling of the cabinet

TRG.205.60

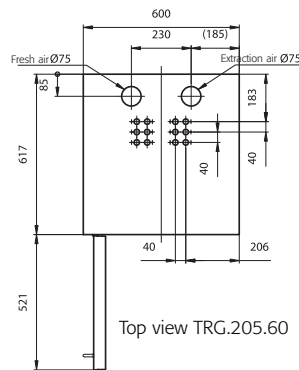
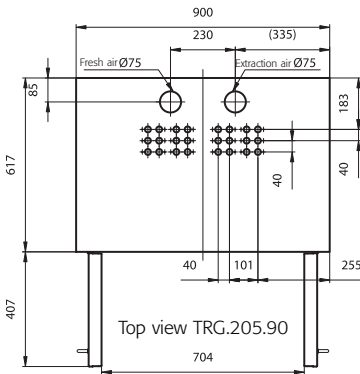
- Dimensions W x D x H (mm):
exterior: approx. 600 x 615 x 2050
interior: approx. 490 x 450 x 1900
- Weight: **approx. 260 kg**

Standard interior equipment

- Rolling ramp made from galvanised, corrugated sheet steel (standard version)
- Adjustable rails to fix manifolds and fittings
- Cylinder retainer with ratched straps for 2 cylinders

Pipes

- Up to 12 lead-through points possible for pipes, sensors etc. in the ceiling of the cabinet



Extraction air connection

Connection Ø	(mm)	75
Change of air	10 times m ³ /h	7
Pressure drop	(Pa)	2
Change of air	10 times m ³ /h	82
Pressure drop	(Pa)	65

Extraction air connection

Connection Ø	(mm)	75
Change of air	10 times m ³ /h	5
Pressure drop	(Pa)	2
Change of air	10 times m ³ /h	51
Pressure drop	(Pa)	25

G30 Gas cylinder cabinets

Model	Material, colour	recommended quantity	Order Code
TRG.205.90, 2 wing doors, excl. interior equipment	light grey, RAL 7035		20887
TRG.205.90-G, 2 wing doors, excl. interior equipment	yellow, RAL 1004		20893
Standard interior equipment	fold-away ramp, mounting rails, cylinder retainer	1	12844
TRG.205.60, 1 wing door, left hand, excl. interior equipment	light grey, RAL 7035		20875
TRG.205.60-R, 1 wing door, right hand, excl. interior equipment	light grey, RAL 7035		20882
TRG.205.60-G, 1 wing door, left hand, excl. interior equipment	yellow, RAL 1004		20879
TRG.205.60-GR, 1 wing door, right hand, excl. interior equipment	yellow, RAL 1004		20880
Standard interior equipment	fold-away ramp, mounting rails, cylinder retainer	1	12842

The EN 14470-2 for gas cylinder cabinets

Maximum safety in the storage, provision and withdrawal of gas cylinders in indoor areas

Due to the positive pressure and the contents (corrosive, toxic, inflammable, fire accelerating), gas cylinders represent a hazard potential. It is therefore usually recommended to store gas cylinders in outdoor areas. In practice this is often not possible or is associated with very high costs. With the publishing of the new European standard for gas cylinder cabinets, EN 14470-2, an economical and flexible option for the installation of gas cylinders in indoor areas is now available that offers a level of safety comparable to that of outdoor storage.

Consequences of the EN in Europe

Fire resistance is classified into 4 classes from G15 up to G90 (fire resistance of 15 up to 90 minutes).

Each type of cabinet and each cabinet size has to be type tested in a furnace. In case dimensional variation exceeds the tolerance, the cabinet has to be retested again. Tests can only be executed by an authorised material testing institute. Cabinets must be tested in a furnace as free-standing single cabinets.

In the new EN 14470-2 it is demanded to deliver with the cabinet the declaration of conformity or certificates of conformity.

Complete approval documentation by asecos includes for each safety storage cabinet:

- A test report of an authorised material testing institute stating/proving the successfully passed fire test.
(Important: only the test report of an approved material testing institute is evidence for a successfully passed fire test!)
- Test certificate by independent testing organisation
- Declaration of CE conformity by the manufacturer

This means

- Use in accordance with regulations
- Safety for the user

- Clear identification of approval documents with the model of safety storage cabinet

Former DIN 12925-2 Safety storage cabinets for gas cylinders

Due to the changes and considerably stricter test requirements, safety storage cabinets in accordance with DIN 12925-2, do no longer comply with the increased safety standard of EN 14470-2. With the publication of EN 14470-2 and a transitional period of 6 months, DIN 12925-2 was replaced.

All manufacturers of safety storage cabinets had to adapt their cabinet models to the new requirements of construction and each cabinet model has to pass the test with the conditions of EN 14470-2.

The user is required by the EN to be supplied with complete approval documentation when obtaining safety storage cabinets.

Why type G90?

The classification type 90 for safety cabinets for the storage of flammable liquids has been established for many years in Germany as the state of the art.

This did not change even after the publication of DIN EN 14470-1.

Due to the absence until now of a 90-minute classification for gas cylinder cabinets, plant operators have so far had different safety levels for the storage of flammable liquids and gas cylinders. Nevertheless the demand for uniform protection concepts can increasingly be felt. In the past a standard for gas cylinder cabinets existed only in Germany. Here, the interior surfaces of the cabinet had to be protected for 20 minutes against heating up by more than 50 °K.

Due to the consistent pursuit of a 4-class strategy, also in the standardisation work for EN 14470-2, the operator now has the

possibility to select the same safety level for the storage and installation of gas cylinders as he has selected for the storage of flammable liquids.

This is more than understandable. The danger posed by gas cylinders is with certainty at least comparable to that of flammable liquids. Gases can escape due to excessive heating of the cylinder and the connected valves and this alone can have devastating consequences. Even stronger heating up can ultimately lead to the explosion of the gas cylinder. Such a gas cylinder explosion generally has an extremely destructive effect.

What makes the new G90 cabinets so safe?

The most critical part of a gas cylinder is its valve. It is therefore protected against damage during cylinder transport by a special screw cap. However, this protection no longer exists when cylinders are connected for drawing off compressed gases. In order to be able to ensure that the valve is not damaged or heated up too strongly in the case of fire (existing seals can be damaged and gas could leak out uncontrolled and ignite or even lead to a dangerous explosion), particular importance was placed on this in the new European standard for gas cylinder cabinets.

EN 14470-2 therefore specifies that additional temperature measuring points are to be attached to the cylinder valve holder during the tests. The measured rises in temperature may not exceed 50 °K over the entire testing period (90 minutes), whilst temperatures of over 1000° C already prevail in the inspection room. This extreme tightening of the regulations guarantees that gas cylinders stored in safety cabinets of type G90 do not represent a hazard to employees and rescue services for more than 1,5 hours, even in the case of a full blaze.

The EN 14470-2 for gas cylinder cabinets

Facts and Consequences

Essential	EN 14470-2
Range of applications	Safety cabinets for the storage of gas cylinders with a total volume of max 220 liters in laboratories, for free standing single cabinets, for cabinets fixed at walls or those on castors.
Definition of aim of protection	Provision of enough time, in the event of fire, for personnel to leave the room and sufficient time for fire service personnel to enter the workplace before the gas cylinders become hazardous.
Denomination of fire resistance changed to	G
Classification expanded from one to four classes (time measured for temperature increase T at the bottle valve bracket by 50 K)	Type G90 Type G60 Type G30 Type G15
Testing conditions	<p>The fire resistance of the cabinet has to be proven by an independent authorised testing institute.</p> <p>During the fire test the cabinet being tested must be positioned with its rear wall at least 100 mm from the fire chamber wall. The entire cabinet (side walls, door top as well as rear wall) must be exposed to the same heating conditions.</p> <p>Changes in dimensions without new test are limited to a reduction of one dimension: - height and width by max. 100 mm - depth by max 150 mm Safety cabinets with a larger reduction of dimension or with 2 changes in dimensions have to be newly tested according to EN 14470-2</p> <p>The distance between interior ceiling of the cabinet and the highest point of the gas cylinder valve shall not exceed 175 mm.</p> <p>One stainless steel tube, dia 10 mm as well as an electric cable (3x 1,5 mm²) are lead through the cabinet ceiling.</p> <p>The length of stainless steel tube fixed at the gas cylinder bottle shall not exceed 500 mm when leaving the cabinet.</p>
Information to be delivered	Detailed instruction manual as well as declaration of conformity from the manufacturer or certificate of conformity of a testing institute.

Single walled gas cylinder cabinets

The Safe One

For external use.

High protection against corrosion through completely galvanised and powder coated surface and high-value stainless steel base for optimum protection against mechanical damages.

For safe installation of up to 5 gas cylinders (50 ltr.) in outside areas

- Replaces required protective areas around the gas cylinders (TRG 289)
- Dependant on the fire load it can also be used in inside areas (see TRG 280, BGR 120, TRGS 526)
- Marking with warning symbol

Construction

- High-quality sheet-steel construction with completely galvanised and powder coated surface for high protection against corrosion, light grey, RAL 7035
- Sloped roof to the front avoids water runoff and spoiling of walls
- High-value stainless steel base for optimum protection against mechanical damage
- Adjusting aids for easy levelling

Wing doors

- Large opening angle, interior of the cabinet completely visible
- Fixed or hinged windows as an option
- Lockable turning lever with robust



Adjusting aids for easy levelling on uneven floor.

3-point locking to protect against theft and tamper

Interior equipment

- Standard equipment with C-rails to fix gas fittings
- Bottle retainer with lashing straps for 10 l and 50 l gas cylinders
- 16 possible lead-through points fore seen in the ceiling (22 mm diameter) for piping
- Lead-through closed with plastic plugs

Ventilation

- Effective ventilation in accordance with TRG 280 through openings beneath the doors and at the rear walls

Multiple accessories

- Shelf across the whole cabinet width (loading capacity 75 kg), height adjustable without tools
- Lateral retainer shelf for small bottles (loading capacity 55 kg), height adjustable without tools
- Rolling ramp rigidly fixed



Shelf across the entire cabinet width, height adjustable without tools.



Retainer shelf (optional) height adjustable without tools.



Rolling ramp (optional) rigidly fixed in the cabinet.



RAL 7035



Single walled gas cylinder cabinets - Overview



Model LG.215.135 Single walled gas cylinder cabinet with standard interior equipment and fold away ramp (as an option) (cylinders and gas fittings not included in supplied items) (page 100)



Model LG.215.100 Single walled gas cylinder cabinet with standard interior equipment (cylinders and gas fittings not included in supplied items) (Page 101)



Model LG.215.70 Single walled gas cylinder cabinet with standard interior equipment (cylinders and gas fittings not included in supplied items) (page 101)

Single walled gas cylinder cabinets



Model LG.215.135 with standard interior equipment and fold away ramp (as an option)

Single walled gas cylinder cabinet

- Replaces required protective areas around the gas cylinders (TRG 280)
- Dependant on the fire load it can also be used in inside areas (see TRG 280, BGR 120, TRGS 526)

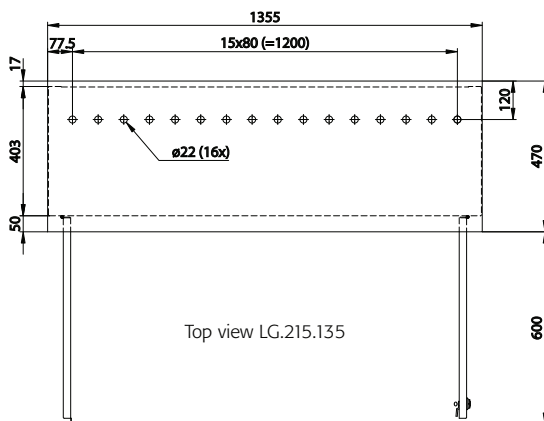
LG.215.135

Technical data model LG.215.135:

- Dimensions W x D x H (mm):
 exterior: **approx. 1350 x 400 x 2150**
 (without roof overhang)
 interior: **approx. 1345 x 370 x 2070**
 Dimensions of roof W x D (mm):
 1356 x 470
- Weight: **approx. 138 kg**

Interior equipment

- Standard equipment with C-rails to fix gas fittings
- Bottle retainer with lashing straps for 10 l and 50 l gas cylinders
- 16 possible lead-through points fore seen in the ceiling (22 mm diameter) for piping
- Lead-through closed with plastic plugs



Single walled gas cylinder cabinet

Model	Material, colour	recommended quantity	Order Code
LG.215.135, 2 wing doors, incl. interior equipment	light grey, RAL 7035		20486
Accessories			
Shelf	sheet steel, plastic laminated RAL 7035		18406
Fold-away-ramp	galvanised		15409
Height adjustable cylinder retainer	for installation on the sidewall		18407
Document holder			10653

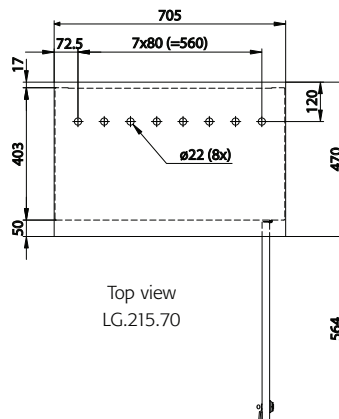
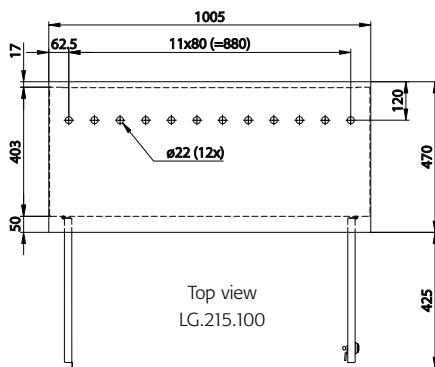
Single walled gas cylinder cabinets



Model **LG.215.100** with standard interior equipment



Model **LG.215.70** with standard interior equipment



Single walled gas cylinder cabinets

- Replaces required protective areas around the gas cylinders (TRG 280)
- Dependant on the fire load it can also be used in inside areas (see TRG 280, BGR 120, TRGS 526)

LG.215.100

- Dimensions W x D x H (mm):
exterior: **approx. 1000 x 400 x 2150**
(without roof overhang)
interior: **approx. 995 x 370 x 2070**
Dimensions of roof W x D (mm):
1006 x 470
- Weight: **approx. 113 kg**

Interior equipment

- Standard equipment with C-rails to fix gas fittings
- Bottle retainer with lashing straps for 10 l and 50 l gas cylinders
- 12 possible lead-through points fore seen in the ceiling (22 mm diameter) for piping
- Lead-through closed with plastic plugs

LG.215.70

- Dimensions W x D x H (mm):
exterior: **approx. 700 x 400 x 2150**
(without roof overhang)
interior: **approx. 695 x 370 x 2070**
Dimensions of roof W x D (mm):
706 x 470
- Weight: **approx. 85 kg**

Interior equipment

- Standard equipment with C-rails to fix gas fittings
- Bottle retainer with lashing straps for 10 l and 50 l gas cylinders
- 8 possible lead-through points fore seen in the ceiling (22 mm diameter) for piping
- Lead-through closed with plastic plugs

Single walled gas cylinder cabinet

Model	Material, colour	recommended quantity	Order Code
LG.215.100 , 2 wing doors, incl. interior equipment	light grey, RAL 7035		20484
Accessories			
Shelf	sheet steel, plastic laminated RAL 7035		15408
Fold-away-ramp	galvanised		15411
Height adjustable cylinder retainer	for installation on the sidewall		18407
Document holder			10653
LG.215.70 , 1 wing door, incl. interior equipment	light grey, RAL 7035		20489
Accessories			
Shelf	sheet steel, plastic laminated RAL 7035		18408
Fold-away-ramp	galvanised		15410
Height adjustable cylinder retainer	for installation on the sidewall		18407
Document holder			10653