# WHEELED EXTINGUISHER
# AG-INDR-65-xxx / AG-INDR-85-xxx

Manual wheeled dry chemical extinguishing system /
65 and 85 kg / Attached pressure / Local application

Data sheet 13311 Rev.00

## Descripción del producto

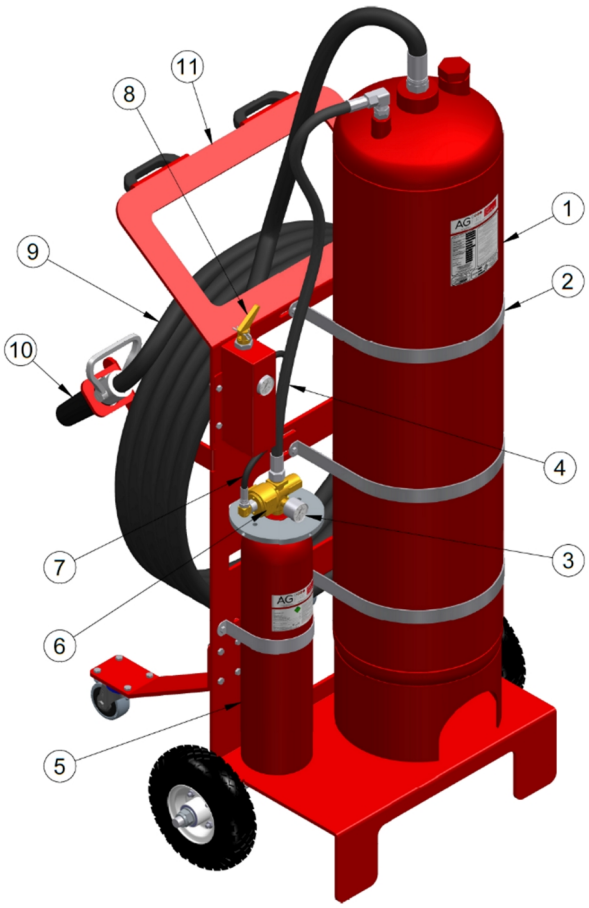
The AG-INDR-xx-xxx dry chemical wheeled fire extinguisher is a mobile unit designed to provide a larger amount of dry chemical than conventional portable fire extinguishers for industrial applications. Depending on the model, it contains a charge of 143 or 187 lbs (65 or 85 kg) of extinguishing agent.

The unit consists of a wheeled cart that can be easily transported and operated by a single person. A cylinder filled with the dry chemical agent is mounted on the cart and connected to a flexible hose with a hand hose nozzle. The agent cylinder is pressurized by an attached cylinder containing the propellant agent ($N_2$), typically at 200 bar, through an RGS-MAM-RD11 pressure regulating valve, which is also installed on the cart.

The system is manually activated, causing the dry chemical cylinder to become pressurized until it reaches the specified operating pressure (15 bar) and allows the agent to flow into the hose. Finally, by actuating the hand hose nozzle, the dry chemical can be discharge onto the fire source.

Dry chemical is suitable for the protection of Class A hazards (solid combustible materials), Class B hazards (flammable liquids and gases), and Class C hazards (energized electrical equipment).

## System components




| Nº | Description | Type | Qty |
|---|---|---|---|
| 1 | Dry chemical cylinder | AG-INDR-65-ABC, AG-INDR-65-BC, AG-INDR-65-KBC, AG-INDR-85-ABC, AG-INDR-85-BC, AG-INDR-85-KBC | 1 |
| 2 | Fixing brackets | POHCxx | 4 |
| 3 | Pressure gauge | 5140-W250, UF40I-P150, UF40I-P200 | 2 |
| 4 | Impulsion hose | DH15, DH15CO, DH15I, DH16, DH16I | 1 |
| 5 | Expellant cylinder $N_2$ (200 bar) | 101M6UFxx, 101M13UFxx | 1 |
| 6 | Expellant cylinder valve | RGS-MAM-RD11 | 1 |
| 7 | Activation flexible hose ¼” | FH-6PO, FH-7PO, DH10, DH10I, DH11, DH11I | 1 |
| 8 | Manual actuator with protective box | 227DMR | 1 |
| 9 | Booster hose | BH 20, BHLT 20, BH 25, BHLT 25 | 1 |
| 10 | Hand hose nozzle | SILx-xR | 1 |
| 11 | Wheeled cart | AG-IND-WH | 1 |

## Applications

Provides protection against a wide range of hazards, including refineries, chemical plants, fuel storage areas, loading platforms, offshore platforms, airports, and heavy manufacturing operations.

This system can be strategically positioned, occupying minimal space while protecting areas with a high fire risk.

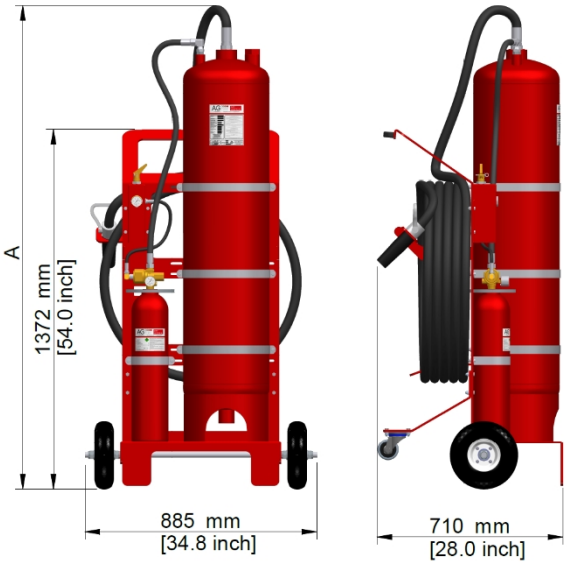
## Technical data

| AG-INDR-xx-xxx WHEELED EXTINGUISHER | | | | |
|---|---|---|---|---|
| Model | Dry chemical type | Dry chemical filling lbs (kg) | Expellant cylinder ft³ (L) | Hose diameter |
| AG-INDR-65-ABC | ABC | 143.3 (65) | 0.24 (6,7) | ¾” |
| AG-INDR-65-BC | BC | | | |
| AG-INDR-65-KBC | KBC | | | |
| AG-INDR-85-ABC | ABC | 187.4 (85) | 0.24 (6,7) | 1” |
| AG-INDR-85-BC | BC | | | |
| AG-INDR-85-KBC | KBC | | | |

**NOTE:** Class D dry chemical systems are also available. Contact AG Fire.


C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08 | www.agfiresprinkler.com

## Dimensions

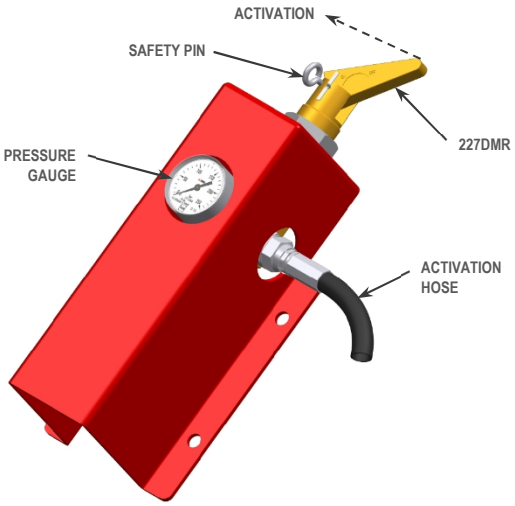



| APPROXIMATE DIMENSIONS | | |
|---|---|---|
| | AG-INDR-65 | AG-INDR-85 |
| A | 1565 mm (61.6 inch) | 1845 mm (72.6 inch) |

## Manual actuator with protective box

Its function is to pneumatically activate the valve of the RGS-MAM-RD11 expellant cylinder. The system is manually activated by means of a 227DMR actuator head and incorporates a pressure gauge to monitor the pressure at all times.

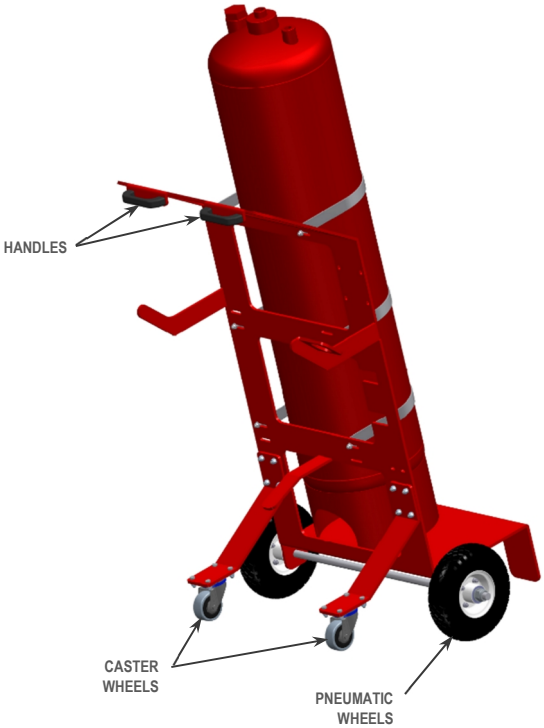
Once the actuator safety ring is removed, the handle can be turned in the opposite direction to initiate the discharge.




## Dry chemical cylinder in wheeled cart

The dry chemical storage cylinder consists of a steel container factory-filled with the corresponding type of dry chemical. It is equipped with an internal siphon tube and a top inlet for nitrogen pressurization, as well as a top outlet for connection to the discharge hose. The cylinder is secured to the cart by means of mounting brackets that ensure its stability during transport and operation.

The cart is fitted with two main pneumatic wheels and two caster wheels that facilitate manoeuvrability and provide system stability. It incorporates ergonomic handles for safe handling, as well as storage space for the hose and hand hose nozzle, allowing quick and efficient access in the event of intervention.

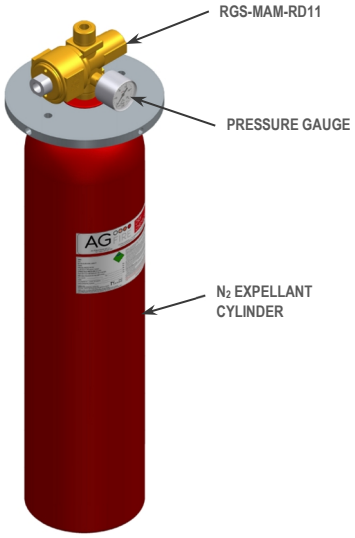



## Expellant cylinder with RGS-MAM-RD11 valve

The expellant cylinder is designed to pressurize the dry chemical cylinder during operation, enabling the discharge of the extinguishing agent. This pressurization fluidizes the dry chemical powder and maintains a constant pressure throughout the discharge process.

It contains nitrogen ($N_2$), typically charged to 2900 psi (200 bar), and incorporates an RGS-MAM-RD11 valve. This valve not only opens and closes the nitrogen flow but also acts as a pressure reducer, regulating the outlet pressure independently of the cylinder charge pressure, which is pre-adjusted at the factory.

The valve, designed and manufactured for inert gas cylinders, is the result of extensive research and development and is equipped with a pressure gauge and a rupture disc.



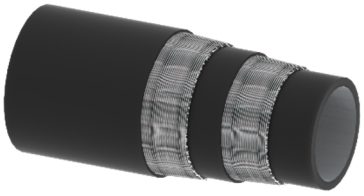


C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08 | www.agfiresprinkler.com

## BH xx / BHLT xx booster hose

This non-collapsible hose ensures reliable operation at all times and is available in two materials, both with the appropriate reinforcement to withstand the working pressure. The wheeled fire extinguishers are designed for a maximum hose length of 52.5 ft (16 m).

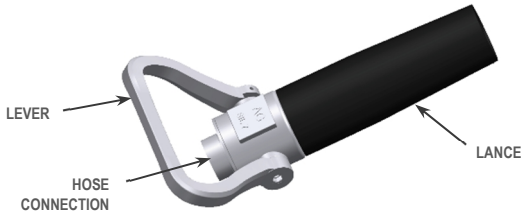
The hose, when stored on the hose reel, constitutes the operational element of the system and, once deployed, it allows the extinguishing agent to be safely and efficiently conveyed to the hazard area.
For longer hose lengths, please contact AG Fire Sprinkler.



| BOOSTER HOSE | | | |
|---|---|---|---|
| **Model** | **Hose diameter** | **Cover material** | **UL approval** |
| BH 20 | ¾” | Synthetic rubber | No |
| BHLT 20 | | Black blended PVC | Yes |
| BH 25 | 1” | Caucho sintético | No |
| BHLT 25 | | Black blended PVC | Yes |

## SILx-xR hand hose nozzle

The discharge nozzle consists of a lance, lever, and hose connection assembly, where the lever controls the opening and closing of the dry chemical flow. The nozzle is designed to generate a high-density dry chemical stream with medium range. The SILx-LR model has a discharge range of between 6 and 7 meters, the SILx-MR model between 8 and 10 meters, while the SILx-HR model reaches between 11 and 12 meters.





C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08 | www.agfiresprinkler.com