WHEELED EXTINGUISHER
AG-INDR-35-xxx / AG-INDR-56-xxx

Manual wheeled dry chemical extinguishing system /
35 and 56 kg / Attached pressure / Local application

Data sheet 13310 Rev.00

Product description

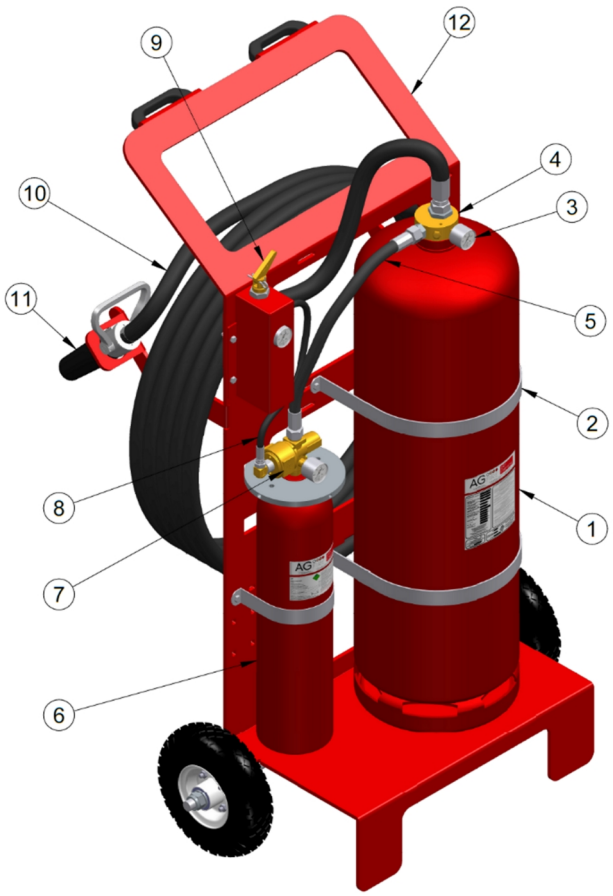
The AG-INDR-xx-xxx dry chemical wheeled fire extinguisher is a mobile unit designed to provide a larger amount of dry chemical than conventional portable fire extinguishers for industrial applications. Depending on the model, it contains a charge of 77 or 123 lbs (35 or 56 kg) of extinguishing agent.

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-35-ABC, AG-INDR-35-BC, AG-INDR-35-KBC AG-INDR-56-ABC, AG-INDR-56-BC, AG-INDR-56-KBC	1
2	Fixing brackets	POHCxx	3
3	Pressure gauge	5140-W25, 5140-W40, 5140-W250, UF40I-P16, UF40I-P150, UF40I-P200	3
4	Container valve	RGS-MAM-10P, RGS-MAM-40P	1
5	Impulsion hose	DH15, DH15CO, DH15I, DH16, DH16I	1
6	Expellant cylinder N_2 (200 bar)	101M2UFxx, 101M6UFxx	1
7	Expellant cylinder valve	RGS-MAM-RD11	1
8	Activation flexible hose ¼"	FH-6PO, FH-7PO, DH10, DH10I, DH11, DH11I	
9	Manual actuator with protective box	227DMR	1
10	Booster hose	BH 15, BHLT 15, BH 20, BHLT 20	1
11	Hand hose nozzle	SILx-xR	1
12	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.

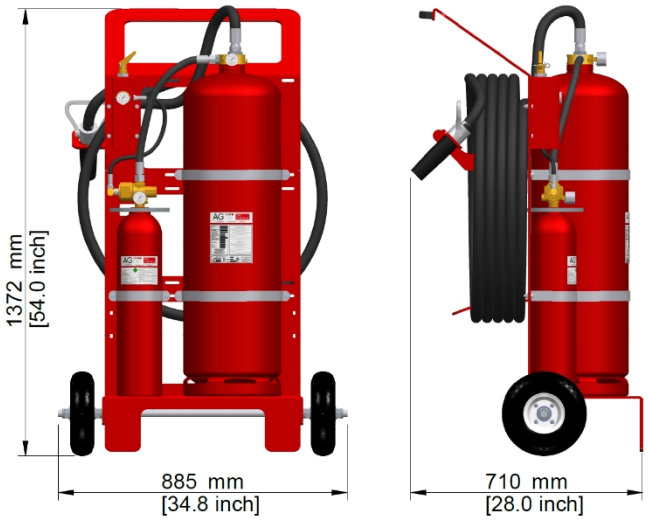
Technical data

AG-INDR-xx-xxx WHEELED EXTINGUISHER				
Model	Dry chemical type	Dry chemical filling lbs (kg)	Expellant cylinder ft³ (L)	Hose diameter
AG-INDR-35-ABC	ABC	77.2 (35)	0.07 (2)	½"
AG-INDR-35-BC	BC			
AG-INDR-35-KBC	KBC			
AG-INDR-56-ABC	ABC	123.5 (56)	0.24 (6,7)	¾"
AG-INDR-56-BC	BC			
AG-INDR-56-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

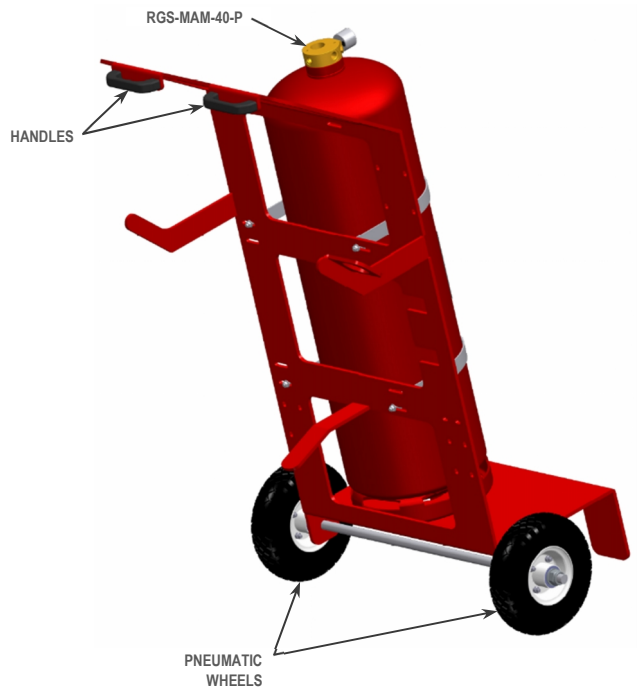
Dimensions



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 RGS-MAM-40P or RGS-MAM-10P valve and an internal siphon tube. It is secured to the cart by means of mounting brackets that ensure its stability during transport and operation.

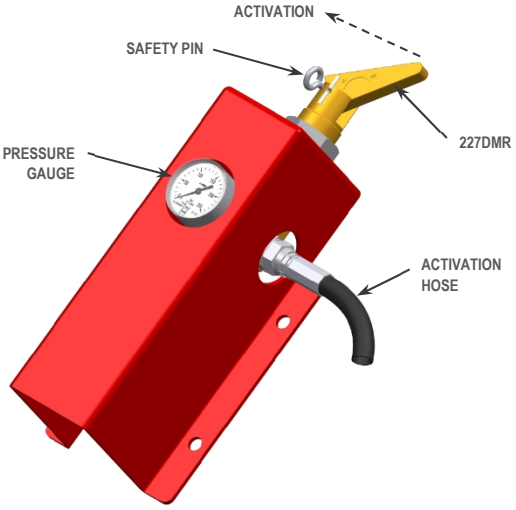
The cart is fitted with two pneumatic wheels that facilitate manoeuvrability and provide system stability. It incorporates ergonomic handles for safe handling, as well as storage space for the hose and hand hose nozzle, allowing quick and efficient access in the event of intervention.



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.

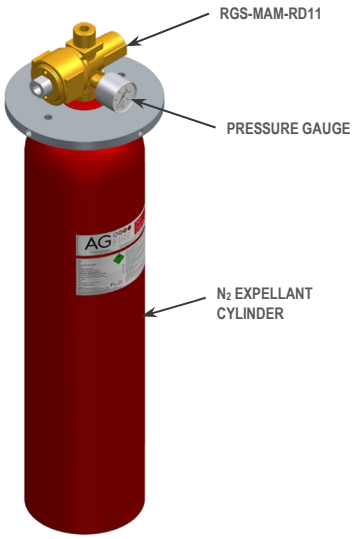


Expellant cylinder with RGS-MAM-RD11 valve

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.



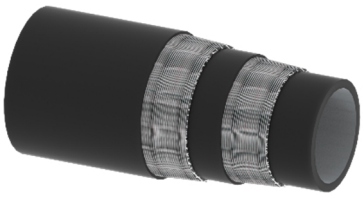
C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08 | www.agfiresprinkler.com

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.

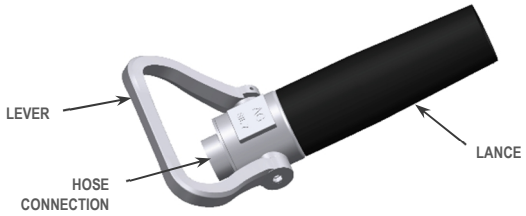
For longer hose lengths, please contact AG Fire Sprinkler.



BOOSTER HOSE			
Model	**Hose diameter**	**Cover material**	**UL approval**
BH 15	½"	Synthetic rubber	No
BHLT 15		Black blended PVC	Yes
BH 20	¾"	Caucho sintético	No
BHLT 20		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