



QUALITY, STRENGTH AND STYLE

Pulverlansen—The Swedish Powderlance is stylish and offers an easy and intuitive use. All components are carefully selected for optimal flow and function.

Quick couplings from CEJN Full flow series with custom made thread adaptor allow repeated, secure connections even when exposed to powder. An empty extinguisher is quickly and safely replaced it with a new one, to continue the operation with minimum delay.

The durable and flexible 1,8 m long hose makes it possible to reach the ceiling without carrying the extinguisher. Press-mounted CEJN Full flow quick couplings in both ends provide a fail safe mounting.

The hand guard is made of aluminum and anodized in red for strength and style. The arrow cursor is visible and can be felt on top of the hand guard. It shows the orientation of the nozzle behind the wall.

The ergonomically designed rubber grip encourages the user to hold the lance with the pattern of powder distribution pointing upwards. An unbroken flow minimizes friction for the extinguishing agent.

The anodized aluminum lance pipe provides strong surface layers and less friction for the extinguishing agent in the pipe. 2 mm thick goods provide good stability and strength.

The original nozzle is precision cast in stainless steel. Optimized for horizontal attack. It provides a lot of extinguishing media in the hot smoke, and one strong beam to hit the origin of the fire, with a throw length of more than 8 m. It puts out flames, cools the smoke and prevents re-ignition.

The wide patterned nozzle is milled in stainless steel. Designed to give a good throw sideways. It could be used attacking the attic from the floor below, through the roof, for a structure fire or a car fire. The nozzles are removable for ease of cleaning.

WHY CHOOSE THE SWEDISH POWDERLANCE?

-The well developed nozzle distributes the extinguishing agent you carry with you in the best way possible.

-Pulverlansen offers a high flow, about twice as high compared to the standard dry chem powder extinguisher. (Presto 12kg is used for all testing). This provides better throw length, more extinguishing agent per time and closer to 20 valuable seconds faster emptying! Together, these two factors contribute to a potentially better extinguishing effect.

-Pulverlansen is also stylish and ergonomic, easy to carry, easy to understand and easy to handle. It's about a rescue mission and nothing has been left by chance. You do not have to do that either. Pulverlansen helps you to optimize your early first respond!

TWO VERSIONS WITH DIFFERENT LENGTH AND DISTRIBUTION

THE ORIGINAL

Designed for attack through a window frame or attic gable. The distribution of the extinguishing agent is forward with a hand fan shaped spreading upwards. Throw: 8-10 m. Developed to cover a large room of 7x5 m (35 m²) evenly. The asymmetrical pattern allows the tactical choice of turning the lance towards a visible fire. The working length of the lance is 530 mm. Time for emptying 12kg is 20-25 sec.

LONG LANCE WITH WIDE DISTRIBUTION

Designed for attacking from the floor below to reach both ends in an attic or upstairs room. Good throw length sideways, 6-8 m in each direction. Lansen working length: 1330 mm. Time for emptying is 20-25 sec.

EXTRA QUICK COUPLING KIT

Through a quick coupling kit that can be mounted between the bottle and the original hose on an extinguisher you can prepare more extinguishers to serve as a quick replacement for a used extinguisher. The extinguisher can be used as normal or connect to Pulverlansen.

COMPLEMENTARY EQUIPMENT

DRY CHEM POWDER EXTINGUISHERS

The equipment can be connected to any type of extinguisher that has a threaded hose end. The quick coupling is adapted to the desired thread.

CORDLESS DRILL DRIVER

A cordless drill driver is a necessary accessory with associated all-round drill D = 20 mm to get through most structures. At least 18 volt drill with two batteries of 2.0 Ah is recommended. For concrete and bricks, a hammer drill driver is preferred. For a window frame a 25 cm long drill will do, but for exterior walls and ceiling in well insulated buildings a 50 cm long drill is required.

FIRST TO ARRIVE, WHAT DO I DO?



1. LOCALISE THE FIRE ROOM

Try to isolate the fire early. Close all doors and windows if possible! It increases the premise of a good extinguishing effect and make it difficult for the fire to spread. Avoid inhaling any toxic smoke.



2. DRILL A HOLE THROUGH THE WINDOW FRAME

You can drill in the side or center post as well and angle the hole a little bit upwards (8 °) to favor throw length. The attack can also be done through a door frame, a windbreaker, ventilation valve or normal wall. The long lance can be used through ceiling or roof.



3. PLACE LANCE, REMOVE SPRINT AND SHOT

When holding the lance with the arrow on the upper side of the hand guard, Pulverlansen helps you spreading the powder evenly and quickly into the room for the best possible extinguishing effect.



FUNCTION AND INTENDED USE

Pulverlansen—The Swedish Powderlance is a fire fighting equipment made for early fire fighting from a safe place outside the building. You can avoid toxic smoke and need no breathing apparatus.

Good design makes it easy to understand and provides a safer repeatable behavior. It fits in a smaller vehicle, it requires no water tank, pump and hose system and it can be used by anyone who is first on the scene. It opens up new tactical benefits that can give us a renewed advantage over the increasingly aggressive fire behavior we encounter in today's structure fires. The Swedish Powder Lance is the optimal tool for the first responder. Regardless if you are an officer arriving in a smaller vehicle or a volunteer fire fighter arriving with the first engine you will be more forceful. You can use it from an aerial fire truck too and reach the gable into an attic or any other higher floor with closed spaces. You minimise thus the risks associated with the use of heavy equipment and high pressure when working at height.

The method is developed primarily for enclosed spaces. Extinguishing media are transported into the fire compartment through a pre-drilled hole where the lance is placed. You trigger the powder extinguisher as normal and the Swedish Powderlance helps you distribute the extinguishing agent for the best knockdown effect. The method is no substitute for smoke diving but favors the continued internal effort.

EXAMPLE OF EFFORTS

The room fire and the attic fire are the type fires for which the product has been tested. The powder's ability to reach behind and around obstacles gives it advantages over water that can be beneficial in attics as well as storage rooms, basement or garages. As long as you have a flow the powder has the ability to push it self forward and beyond obstacles. It follows air currents and can extinguish fires on remote places in the building. If you have two or more powder extinguishers prepared there you have a chance to dampen a developed fire from the same attack point. But there can also be tactical reasons to attack the fire from several directions. You can use Pulverlansen for fires in cars, caravans or boats. The longer lance has the advantage of allowing the user to keep a greater distance from the fire.

EXTINGUISHING AGENT

Powder is a composition of salts that works against most types of fires, whether it is in fibrous material, liquid or gas. It extinguishes flames efficiently and therefore lowers the temperature considerably. A "knock-down" effect on the fire can provide the extra time needed to freeze the situation, save the building and create a better environment for both the victims inside the building and the smoke divers. Powder is an effective extinguishing agent in relation to its weight. The attack can therefore be done quickly with a portable equipment that can reach fires at remote and otherwise difficult places.



TESTED BY SEVERAL SWEDISH FIRE SERVICES AND SCHOOLS

The equipment has been tested in hot environments at several different fire services and rescue schools in Sweden. Temperature reduction in garage with vehicle fire, from 593-270 ° C. In case of simulated room fire, the temperature in the fire smoke was lowered to below 100 ° C. Arguments mentioned as benefits of Pulverlansen are the distribution, the flow with the fast emptying time and the quality of the components.

USED SHARP IN A TOWNHOUSE

The method with powderlances has been used with success for many years. This powder lance is used in real-life at a known point. A kitchen fire in a townhouse was extinguished early by a fast arriving smaller vehicle. The residents tried to use an extinguisher but were forced to evacuate because of the smoke. When the first responder arrives a hole was drilled in the kitchen window frame and Pulverlansen was used. Smoke divers could later report the fire extinguished. TRY IT OUT YOUR SELF!

INTELLECTUAL PROPERTY RIGHTS

Pulverlansen

is a registered trade mark. The design is protected no. 0033771 18, the whole shape of the product and specially the original nozzle and the hand guard with the arrow

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