

Firedamp proof Electric Condenser Discharge Blasting Machine Type 808T

with hand-operated A.C. generator

VSV-Engineering GmbH
SCHAFFLER



I M2 X

$+5\text{ °C} \leq T_{\text{amb}} \leq +45\text{ °C}$

BAM-approval ID: BAM-ZM-621

EC-Examination Certificate Number:
IBExU12ATEX1164 X



This Condenser Discharge Blasting Machine is manufactured and distributed by Messrs. VSV-Engineering Produktions- u. Handels GmbH at the same high technical level and safety standards as the other well-known SCHAFFLER-blasting machines, testing instruments and other blasting accessories. All products are manufactured at the highest technical level and fulfil all safety standards.

Technical Data:

Voltage: 1000 V

Firing condenser: 10 µF

Energy: 5 Ws

Current flow: < 4 ms

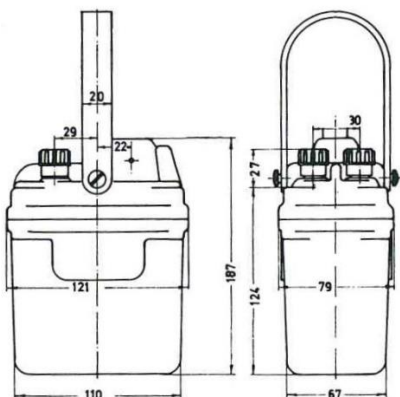
Dimensions: 122 x 80 x 186 mm

Weight: 2,5 kg

The blasting machine type is designed for the following detonator types:

Maximum number of shots:

	Standard sensitive A-dets / Class I (electric detonators not approved) Firing impulse: 4 mJoule / Ohm	Insensitive electric U-dets / Class II: Firing impulse: 20 mJoule / Ohm Leading line resistance: 10 Ohm
on 3 m copper leg wires:	200 pieces in series	146 pieces in series
Limiting resistance:	510 Ohm	195 Ohm



Special instructions for use in underground parts of mines endangered by firedamp and/or combustible dust:

- ✓ Protect the blasting machine against mechanical stress!
- ✓ Check the blasting machine before every use on possible damages of the machine housing (hole or crack)!
- ✓ Blasting machines may be actuated (testing / charging / firing) in hazardous areas only if there are no explosive atmospheres on the site of operation (proved by measurements).

All electrical parts and the complete blasting machine are tested with a tension of 1500 V A.C.

VSV-Engineering Produktions- u. Handels GmbH
A-1220 Wien, Hosnedlgasse 7
Tel. (+43 1) 259 75 26 – Fax (+43 1) 259 75 26-12
E-Mail: office@vsv.biz
Website: <http://www.vsv.biz>

LHS
GERMANY

LHS-Germany GmbH | www.LHS-Germany.de
Breiter Rasen 4 | D-97647 Nordheim v. d. Rhön
Tel. +49 9779 8144-0 | Mail@LHS-Germany.de

SAFETY FIRST

Handle the blasting machine with care and keep it clean.

Never activate the blasting machine with short-circuited terminals or plug sockets.

Do not store the blasting machine for long periods in damp quarters underground and expose it as little as possible to wide fluctuations of temperature, in order to avoid condensation inside the machine.

Wear insulating clothing and shoes and take care that you do not knee on wet floor while activating the blasting machine.

Do not use damaged or defective machines and return them for repair to the manufacturer.

Repairs which necessitate the opening of the machine should in no case be attempted, because special tools and "know-how" are required.

If not regulated by law in another manner annual checking is recommended.

SAFETY FIRST

OPERATING INSTRUCTIONS FOR TYPE 808T



The resistance of the firing circuit must not exceed the maximum resistance indicated on the identification plate of the blasting machine.

After the firing circuit is set up as usual (connection of detonators, resistance measurement, insulation test):

- Hold the blasting machine with the left hand.
- Put the crank handle on the axle and turn clockwise until the pilot lamp flashes up and turn additional three to four turns
- To fire turn in the counter-clockwise half a turn.

MECHANICAL TEST OF THE BLASTING MACHINE BEFORE USE

- ✓ The connecting terminals must be able to be turned easily; their threads must be in good order so that the leading lines can be connected firmly.
- ✓ The connections must be clean and dry.
- ✓ The drive of the winding and firing mechanism must be operated easily.
- ✓ Machines with direct manual drive need a properly working free-wheel device.
- ✓ The housing must be free of major damages, this is of great importance with firedamp proof blasting machines.
- ✓ When shaking the blasting machine, no noise from inside may occur.

BLASTING MACHINE TESTER TYPE SOLUS

The electrical efficiency of the blasting machine has to be tested by the appropriate type of SOLUS tester. According to the EC-regulations the blasting machines have to be tested at least once a month. If the blasting machine has not been used during the last month, it has to be tested before being operated. Blasting machines may be tested by the appropriate Solus tester in hazardous areas only if there are no explosive atmospheres on the site of operation (proved by measurements).



SAFETY INSTRUCTIONS

If the blasting machine is not used according to the regulations and safety instructions or when the terminals (or the connecting wires) are touched this may result in severe injuries. The energy of a discharging blasting machine can be compared with a small flash. The electric shock can cause high grade burns (blisters to the skin) and may occur danger of life (e.g. cardiac arrest).