



# UNIVERSAL UNIT FOR CLEANING ARTILLERY BARRELS



Automatic unit for cleaning artillery barrels (AGB Cleaner M-2017) is a modular system which can be used in different operating conditions and which can clean barrels cal. 25 to 40 mm and cal. 57 to 215 mm.

## Basic characteristics of the system

- Principle of operation of the System is compressed air (pneumatic) with pressure up to 100 psi / 7 bar
- Automatic head speed during cleaning of the barrel is up to 0,4 m/sec
- Operating conditions:
  - Autonomous operation in field conditions when generator produces the power which activates the compressor and produces air under pressure.
  - In facilities with DC 220/400 V power supply when compressor is activated and compressed air is produced, and
  - In facilities with pneumatic installation where the compressed air is used for the automatic head operation.
- Possibility of use in all atmospheric conditions and within temperature range of operation from – 10°C to + 50°C
- Simple and short (10 – 15 min) procedure of preparation for operation and/or packing
- Simple method of use and maintenance. Depending of usage conditions, 1 or 2 operators are needed.
- High quality of “dry” cleaning or cleaning with liquids and detergents.
- By changing the brushes, calibers from 25 mm to 215 mm can be cleaned, lubrication and cleaning of the barrels can be performed, as well as the cleaning of gas

chambers and decoppering.

## Main components of the system:

- Trailer/platform for subsystem installation and transportation
- Electrical generator
- Compressor
- Command-control unit
- Pneumatic device for barrel cleaning (cal. 25-40 mm and cal. 57-215 mm)
- Spare parts, tools and accessories

## Trailer – Platform for subsystem installation and transport

- Type single axle, additionally reinforced and ruggedized
- Shaft articulated, height-adjustable with ting clutch
- Wheel - support guide on shaft, height-adjustable
- Stabilizer 2, height-adjustable on the rear side
- Mudguard reinforced, with a platform for standing
- Electrical installation 24 V
- Spare wheel full sized
- Dimensions(L x W x H) 3280 mm x 1730 mm x 1580 mm
- Clearance 200/310 mm
- Total carrying capacity 1300 kg
- Total weight of unit for cleaning 880 kg
- Number of axles 1
- Wheels 6.50R/16C
- Brakes parking, manual mechanical
- Towing eye DIN 50

## Electrical generator

- Dimensions (l x w x h) 110 x 700 x 830 mm
- Net weight 150 kg
- Noise level (7m) 70 dBA
- Tank volume 35 l
- Autonomy cc 6.hours
- Engine model Vanguard 3564
- Engine type 4-stroke, V-double cylinder, OHV
- Swept volume 570 cc
- Ignition system Electrical start
- Cooling system Emergency air-conditioning
- Engine power rating 18 HP/3000 RPM
- Oil level warning yes
- Recommended oil SAE 10W31
- Fuel Unleaded gasoline
- RPM depends on the load yes
- Generator model Linz Electric/E1S11M AS
- Power supply Monophase/three-phase
- AC voltage 231 / 400 V
- Frequency 50 Hz
- Power generator 11.5 kVa
- Voltage stability Compound +/- 4 %
- Outlets monophase and three-phase
- Battery 12V/45 Ah
- Controller Datacom DKG-20



## Compressor

- Model Elektro Maschinen
- Power 3 KW
- Pump E 705
- Fuel flow 510 liters/min
- Tanks 2x11 liters
- Number of rounds 1290
- Number of cylinders 2
- Compression double stage
- Maximum pressure 7 bars
- Voltage 400V/50Hz
- Dimensions (L x W x H) 790 mm x 750 mm x 430 mm
- Weight 130 kg
- Additionally 2 connectors for compressed air



Command-control unit

## Pneumatic device for barrel cleaning

- Pneumatic cylinder / automatic head (Ferret)
- Brushes for cleaning and lubrication
- Preparation group
- Command, foot valve
- Set of pneumatic hoses (3 pcs.)

