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**Dry-mix concrete spraying machine**

*Illustrated kit may include options and additional equipment.*

## Features

The MEYCO PICCOLA is a dry-mix concrete spraying machine, based on the rotor principle. Its well-proven design makes it extremely robust, easy to set up and simple to operate. Various configurations and a wide choice of specialized nozzle kits make it the machine of choice for small-to-medium applications in:

- Slope protection
- Small-to-medium area repairs
- Swimming pool construction
- House building
- Spraying of fine mortars for joint repairs
- Emergency and back-up work on TBMs
- Refractory lining
- Conveyance of all types of dry materials such as gravel
- Sandblasting
- Sprayable membranes
- Fire protection

### Main features:

- Very robust and simple design for a long service life
- Easy cleaning due to single-spindle clamping system
- Freely accessible wear parts
- Air distributor with 2 ball valves for conveying air and needle valve for individual control of upper and lower air flow, including magnetic valve in the main air line (only with Control Box 20)
- Quick exchange of rotor type and outlet for different outputs/applications
- Rubber pads and friction discs can be refaced for a long service life
- Huge range of nozzle sizes, shapes and materials for all applications and conditions

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### Technical specifications

#### CONCRETE SPRAYING PUMP/FEED

- > Sturdy hopper and mesh design on silent blocks
- > Special self-levelling, single-spindle clamping system for uniform pressure to all sealing surfaces
- > Fast cleaning device at the upper rubber pad
- > Self-cleaning discharge spout with conical blow-out and rubber inlet
- > Wear-optimized rotor components for a long service life
- > Bag ripper for integrated mesh
- > Dust collector with filter bag
- > Spraying capacity (max. theoretical) 5.0 m<sup>3</sup>/h
- > Feeding hopper height 1 100 mm
- > Feeding hopper volume 45 L
- > Conveying distance/height, max 500/100 m
- > Recommended grain size, max 4-6 mm

#### CONTROL SYSTEM

- > Easily accessible control system in dust- and splash-proof central control box
- > Simple control elements and 2-wire emergency circuit
- > Motor protection and earth leakage circuit breaker
- > Hour meter counter

#### CARRIER

- > Rigid frame with pneumatic tyres, guide fork and tow bar
- > Spur gear reduction drive with protection hood for motor and V-belt pulleys

#### ELECTRICAL SYSTEM

- > Control system 24V DC
- > Socket with phase change switch CEE 3P/N/E, 32A
- > Protection class IP55

### Optional equipment

#### POWER PACK

- > Electric motor, 2-speed
  - 3x400/440V / 50/60 Hz
  - 2 stage electric motor 2.2/3.3 kW
- > Electric motor, variable speed
  - 3x400/440V / 50/60 Hz
  - electric motor 4.0 kW
  - requires Control Box 20
- > Compressed air motor, variable speed
  - motor 5.6 kW
  - air consumption (for motor only) 5.0 m<sup>3</sup>/min
  - pressure 6.0 bar

#### FEED SYSTEM/ROTORS

##### Rotor type

##### Practical output capacity

- |  |                           |
|--|---------------------------|
| > Half-size rotor, 12 round holes              |                           |
| ◦ normal hardened discs                        | 0.8/1.0 m <sup>3</sup> /h |
| ◦ super hardened disc                          | 0.8/1.0 m <sup>3</sup> /h |
| ◦ special (sandblasting), super hardened discs | 0.3 m <sup>3</sup> /h     |
| > Half-size rotor, 12 sector holes             | 0.6/2.1 m <sup>3</sup> /h |
| ◦ normal hardened discs                        |                           |
| > 9 round hole rotor                           | 2.1/2.7 m <sup>3</sup> /h |
| ◦ normal hardened discs                        |                           |
| ◦ super hardened discs                         |                           |
| > 12 round hole rotor                          | 1.5/2.0 m <sup>3</sup> /h |
| ◦ normal hardened discs                        |                           |
| ◦ super hardened discs                         |                           |
| > 12 sector holes                              | 2.7/3.5 m <sup>3</sup> /h |
| ◦ normal hardened discs                        |                           |

Practical output capacity is based on past experience. Deviations are possible due to different mix design or material characteristics.

#### MISCELLANEOUS

- > Discharge spout Ø 25/32/40/50 mm
- > Hopper mesh sizes 15/20/25 mm

## Additional equipment

### SPRAYING/NOZZLE/ CONVEYING SYSTEM

- > Conveying/nozzle system Ø 32/40/50 mm
- > Ring gap nozzle system  
for low dust emission Ø 32/50 mm
- > Conveying/nozzle system  
for sprayable membrane Ø32 mm

All including conveying hose 20 m, spraying hose 20 m (total hose length 40 m), conical spraying nozzle, couplings and gaskets.

### CONTROL SYSTEM

- > Remote control with cable 40 m
- > Extension cable to remote control 40 m
- > Control Box 20 for electric variable speed drive
  - Easy access control cabinet with PLC including sockets for electric vibrator, remote control and water booster pump

### WATER SYSTEM

- > Booster pump, max capacity 17.5 L/min at 12 bar
  - electric drive 2.2kW
  - compressed air drive 2.4kW
- > High-pressure water hose 2x20m with quick couplings
  - 16/23 mm, 20 bar

### ACCESSORIES

- > Bag ripper for hopper extension
- > Electric vibrator (on hopper)
- > Air driven vibrator (on hopper)
- > Hopper extension
  - weldment open with mesh  
(not recommended for feeding with bagged material and silo) 50 L
  - weldment closed with mesh 50 L

### WATERPROOF MEMBRANE

- > Special machine versions (MA and ME) for sprayable membrane (e.g. TamSeal 800) including water absorber, special seals, hopper lid and nozzle configuration
- > Piccola MA (M= Membrane spraying, A= Air driven)
  - Including compressed air motor (variable speed), half-size 12-rh rotor, discharge spout 32 mm, air driven vibrator, water booster pump and water separator for compressed air
- > Piccola ME (M= Membrane spraying, E= Electric driven)
  - Including electric motor (variable speed), half-size 12-rh rotor, discharge spout 32 mm, electric vibrator, remote control with 40 m cable, Control Box 20, water booster pump and water separator for compressed air

- > Conversion kit to sprayable membrane version for existing machines

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### ACCELERATOR DOSING SYSTEM

- > Nordoser 4D dosing system for liquid alkali-free accelerator (DOC030146)

## LTC services

### SPARE PARTS

Spare parts packages: Available for different working hours. Include periodic service, the most common wear parts and most critical safety parts. Spare parts\* packages available on request.

\* Recommendations are based on average hours and can vary greatly depending on worksite conditions.

### TRAINING SERVICES

Available before delivery, at start-up and after delivery

#### Product training:

Operation and maintenance  
 NorSmart

Foundation in electrics, hydraulics and mechanics  
 Audit

#### Process training:

Concrete spraying  
 Charging  
 Process audit

### AUDIT SERVICES

To improve the performance of the machines  
 To improve the performance of your processes  
 To help improve the quality of maintenance operations

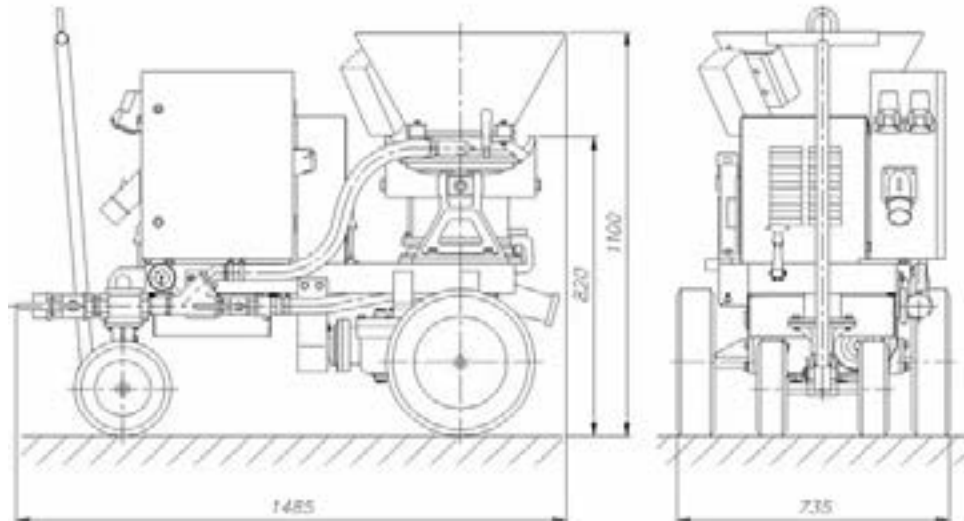
### SERVICE CONTRACTS

Spare parts supply programmes  
 Scheduled inspection programmes  
 Supervision programmes  
 Periodic maintenance programmes  
 Machine usage programmes

### LINK ONE

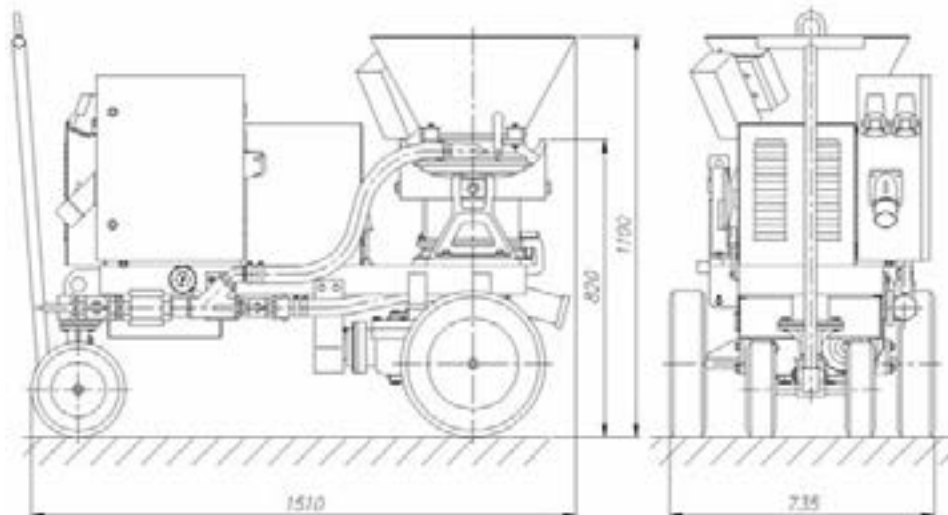
Link One electronic spare part manuals

## Dimensions



### SIDE AND FRONT VIEW

MEYCO Piccola with electric motor



### SIDE AND FRONT VIEW

MEYCO Piccola with electric motor and variable gear

#### DIMENSIONS

- Length
  - with electric motor 1 485 mm
  - with electric motor and variable gear 1 510 mm
- Width 735 mm
- Height 1 100 mm
- Hopper filling height 1 100 mm
- Weight
  - with electric motor 450kg
  - with electric motor and variable gear 470kg

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