**MECHANICAL**

Identification

- Valve plate and label
- Pilot valve plate
- Driver label

**ELECTRICAL**

- 2x12 pin - metallic
- Bluetooth connection KIT
- Main connector - Current Isolator
- V0
- Enable for fastening bolts

**INSTALLATION TOOLS**

- Fastening bolts
- Wrenches
- USB connection KIT

**OVERVIEW**

- In case of first commissioning, before the valve installation the whole system must be correctly flushed to grant the required cleanliness level.
- During the flushing operation use on-off or by-pass valves in place of the proportional valve.
- Remove protection plate P1 located on the valve bottom face only immediately before installation (do not remove connectors caps).
- Check the presence and correct positioning of the seals on valve ports.
- Verify that valve mounting surface is clean and free from damage or burrs.
- Check the correct valve orientation according to the pattern of the relevant mounting interface.
- Lock the fastening bolts respecting below sequence and tightening torque according to valve model.

**INSTALLATION**

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**STEP 1**

**MECHANICAL**

- Installation according to valve model
- Wrenches
- 2x12 pin - metallic
- Bluetooth connection KIT

**HYDRAULICS**

- Fastening bolts
- Wrenches
- USB connection KIT

**SOFTWARE**

- Driver operation manual
- Agmzo-reb-p
- Rzmzo-reb-p

**SOFTWARE**

- Driver operation manual
- Fs055
- Fs900

**DOWNLOAD AREA**

- E-SW-BASIC free basic software can be downloaded at www.atos.com

**PROGRAMMING TOOLS**

- Software
- USB connection KIT
- CR
- Bluetooth connection KIT

**PRODUCT TOOLS**

- Software
- USB connection KIT
- CR
- Bluetooth connection KIT

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- CR
- Bluetooth connection KIT

**ELECTRICAL WIRING EXAMPLES**

- Main connector - Voltage
- Main connector - Common Mode

**HYDRAULICS**

- Air bleeding:
  - Release 2 or 3 tuns the air bleed screw
  - Lock the air bleed screw

**ELECTRICAL**

- Connect the valve to the system
- Connect the power supply to any electrical or wiring operations

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- Connect the power supply to any electrical or wiring operations

**NOTES**

- The use of above metallic connectors is strongly recommended in order to fulfill EMC requirements
- WARNING: to avoid overloading and possible damage of the electronic driver, the valves must be never energized when in case of grounding or ungrounding of the valve operation during the machine stop.

**REFERENCES INPUT - DIFFERENTIAL/CC**

- STANDARD
- REFERENCE INPUT - COMMON MODE

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**CONTACT US**

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STEP 1  SOFTWARE

In order to access valve parameterization:
1. Install E-SW-BASIC software on PC
2. Insert main connector to the valve and power on with 24Vdc

STEP 2  CONNECTION

Remove USB plastic protection cap P3 and connect valve to the PC as shown below.

STEP 3  PROGRAMMING

1. Launch the software using E-SW icon:
   - software detects valid connection
   - communication automatically established - valve is OFF-LINE

2. Press buttons according the below sequence:
   - E-SW-BASIC installed on PC

3. Communication established, valve is OFF-LINE and it is possible to enable parameters.

STEP 4  STORE

Parameters modifications will be stored into driver permanent memory

1. Press Memory Store button to access Driver - Memory Store window

2. Press Store User button to store parameters

TROUBLESHOOTING

Valve vibration or noise:
- presence of air in the solenoid: perform air bleeding procedure — see STEP 3
- valve is OFF-LINE, check connection procedure – see STEP 4, section 4.1

Software parameters modifications are lost when valve is switched off:
- parameter store operation was not performed, check store procedure — see STEP 4, section 4.3