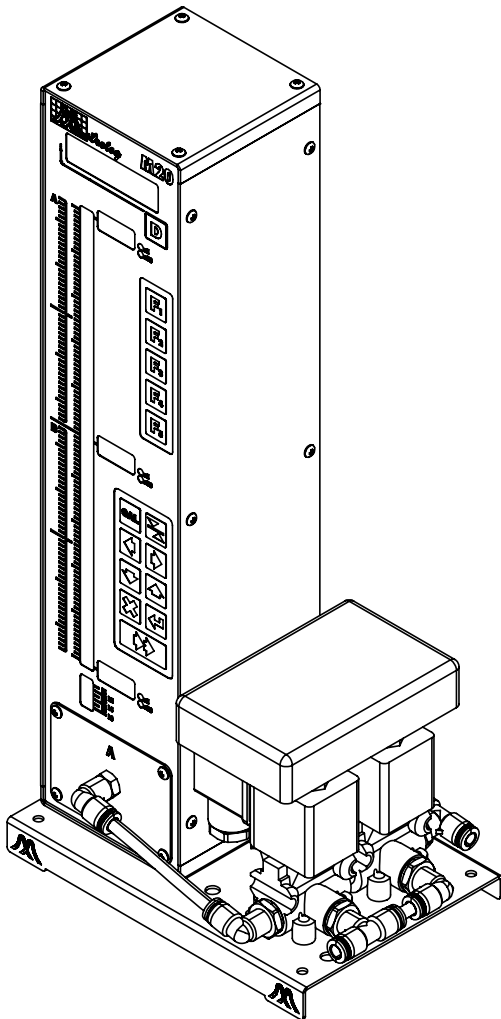


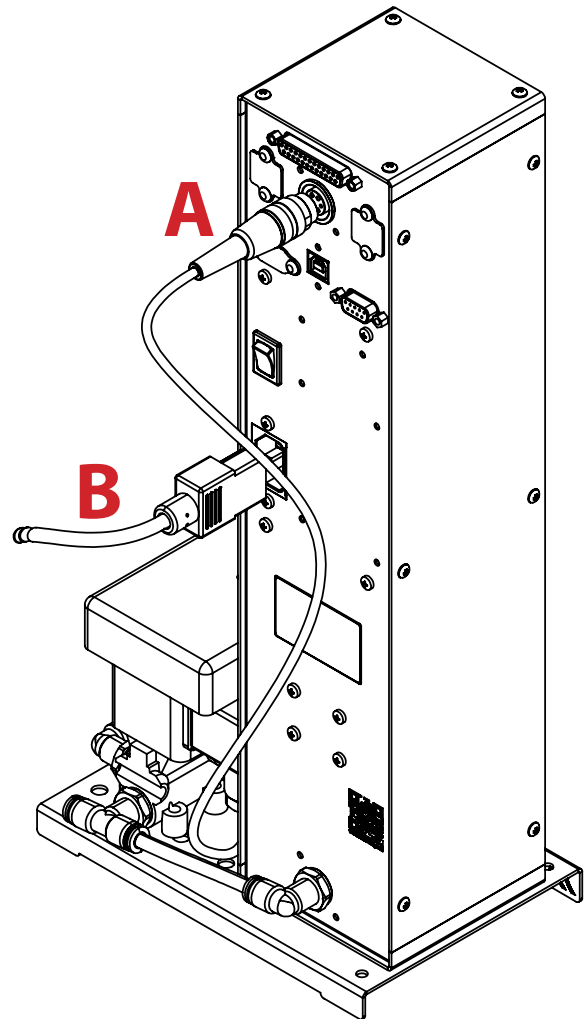
Installation

The Metrolog M20-EPS fusion tester has a robust case, designed for continuous floor shop use; however, some simple guidelines should be followed to reduce maintenance:

- Place the equipment base over a flat and leveled surface.
- Avoid places with strong vibration.
- Keep it away from liquids and strong magnetic fields.
- If possible secure the equipment base over the working bench (use available holes on the base, as shown in **Picture 1**).
- Attach the solenoid valves cable to the back connector, as shown in **Picture 2**, highlight **A**.
- Connect the equipment to a power outlet using the supplied power cord, as shown in **Picture 2**, highlight **B**. The M20-EPS accepts power supply from 90~240VAC, 50~60Hz sinusoidal, without any additional setup. Make sure the ground connection is properly connected to the power cord center pin.

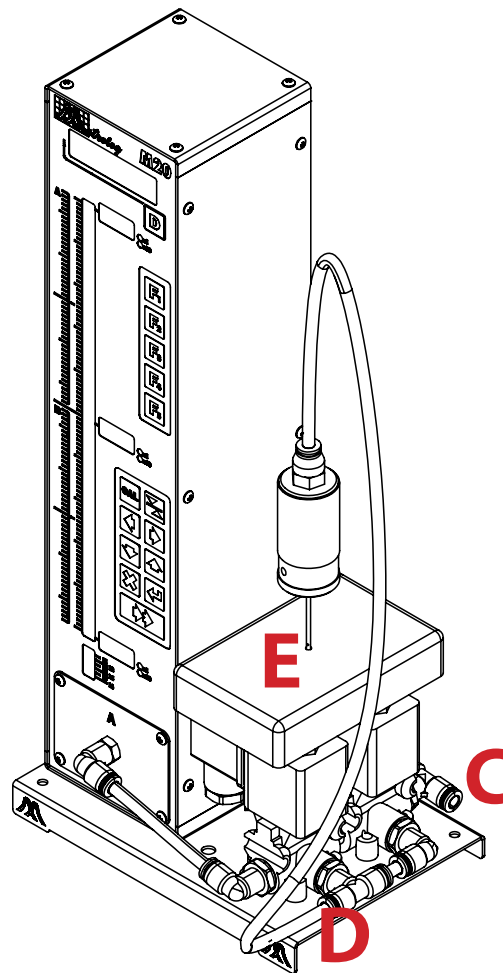


Picture 1 - Securing equipment on working bench



Picture 2 - Solenoid valves cable connection and power cord connection

- The M20-EPS requires connection to a compressed air supply. Use the rear quick-fit connection (6mm outside diameter hose) as shown in **picture 3**, highlight **C**. Line pressure should range from 40 up to 110 psi (2.7 up to 10.2 bars).
- Transducer connection (AG20 measurement needle) should be done using the front quick-fit connection (**picture 3**, highlight **D**). There is a rest stand over the solenoid caps to secure the needle when not in use, during calibration and during needle cleaning process (**picture 3**, highlight **E**).



Picture 3 - Air supply connection and front quick-fit connection for the measurement AG20 needle

Calibration and Measurement

After powering up and 15 minutes warm up time, open the air supply and start the calibration routine pressing the **CAL** key (CAL). Follow the instructions, pressing key **ENTER** (ENTER) to confirm each step.

After calibration, the equipment will be ready for work. Insert the measurement needle into the EPS part and the local fusion strength index will appear at LCD and bargraph.

For details of each of these procedures and important safety guidelines, please refer to the complete manual, available at www.metrolog.net/m20eps