Pre-Installation Specifications
Modbar AV 2 Group + Steam

Instructions for plumber, electrician, architect or designer,
outlining the specific requirements PRIOR TO INSTALLATION of the Modbar AV Espresso System.

Prepare your site for the installation of three to four taps in the countertop surface, three to four drip trays, and two modules on well-ventilated shelves or rack directly below the taps.

Designer or Architect Specifications — Above Counter

- A dry, well-ventilated counter area, which is between 32” and 38” high, with a depth of at least 20”.
- An area to be provided near the machines for a grinder and working area.
  To maintain a clean look, we recommend considering grinder placement and location. Building a drop into the countertop between 4” and 8” can be effective.
- 1 1/2” holes drilled through the countertop for each tap and appropriate holes cut for each drip tray. Cuts should be made prior to the installation using the Modbar AV layout template.
- If installing multiple taps, leave 12” between center holes on adjacent taps.
- If installing scales, countertop surface thickness must be between 3/4” and 4”.

[Diagram with dimensions and labels]

Questions? Email La Marzocco Solutions at solutions.usa@lamarzocco.com or call (206) 706-9104 x101
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Designer or Architect Specifications — Below Counter

- Cabinet space should have a depth of at least 20” and a width of at least 27” to allow for clearance around and behind the modules.
- Shelves or a wire rack should be provided to support each module.
- Allow 1 sq foot within 5 feet of the module for external pump. (Included)
- We do not recommend installing cabinet doors in this space.
- Cafe owner should consider where filtration will go. Water filtration is required for all coffee equipment.

Water Specifications

Your filtration system should produce water with the following properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.D.S.</td>
<td>90–150ppm</td>
</tr>
<tr>
<td>TOTAL HARDNESS</td>
<td>70–100 ppm</td>
</tr>
<tr>
<td>TOTAL IRON</td>
<td>0–0.02ppm</td>
</tr>
<tr>
<td>FREE CHLORINE</td>
<td>0–0.05ppm</td>
</tr>
<tr>
<td>TOTAL CHLORINE</td>
<td>0–0.1ppm</td>
</tr>
<tr>
<td>ALKALINITY</td>
<td>40–80ppm</td>
</tr>
<tr>
<td>CHLORIDE</td>
<td>0–30ppm</td>
</tr>
<tr>
<td>LINE PRESSURE</td>
<td>35–70 PSI</td>
</tr>
<tr>
<td>FLOW RATE</td>
<td>2 GPM/8 LPM</td>
</tr>
</tbody>
</table>

Module Dimensions & Specifications

<table>
<thead>
<tr>
<th>MODULE</th>
<th>WIDTH (+CLEARANCE)</th>
<th>DEPTH (+CLEARANCE)</th>
<th>HEIGHT (+CLEARANCE)</th>
<th>WEIGHT</th>
<th>VOLTAGE</th>
<th>RECEPTACLE</th>
<th>WATTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Espresso AV</td>
<td>17” (+11&quot;)</td>
<td>15” (+3&quot;)</td>
<td>8 1/2” (+6”, or 8” if installing scales)</td>
<td>40 lbs</td>
<td>208-240V</td>
<td>NEMA 6-20R</td>
<td>3200</td>
</tr>
<tr>
<td>Steam</td>
<td>17” (+11&quot;)</td>
<td>15” (+3&quot;)</td>
<td>8 1/2” (+6”)</td>
<td>40 lbs</td>
<td>208-240V</td>
<td>NEMA 6-20R</td>
<td>3600</td>
</tr>
</tbody>
</table>

Required Module Clearance

- 3” clearance required if installed below another module or shelf; 6” if installed directly below taps; 8” if installed below integrated scales
- 2” min. clearance left side
- 8” min. clearance right side
- 150mm / 6”
- 75mm / 3”
Plumber Specifications

- Each module requires a 3/8” angle stop valve, with a flow rate of at least 2 gallons per minute.
- Pressure between 35 and 70 PSI. If pressure is too high i.e. >70 psi, pressure regulator is required.
- Owner should communicate with equipment installer about water filtration requirements. Talk with your sales representative for more information.

Waste Outlet

- Drain connection is male 3/4” barb connection. Required 3/4” armored drain hose (5’) is included with your system.
- Open gravity drain of minimum 1 1/2” interior diameter within 5 feet of module(s).
- Drain must be located lower than the bottom-most module in your Modbar system. There must be no less than 1” per foot downward slope in drain line.

Electrician Specifications

- The electrical requirements are 208-240 Volt single-phase, 50-60hz supply with 20 amp per module. (Subpanels are useful in multiple-module installations.)
- All modules will be supplied with a NEMA 6-20P plug end on the power cord. Each module is provided with a 6 foot power cord exiting machine from the right-hand side. Location of electrical supply should take this into account. Receptacle should be no further than 5 feet from the modules, with the electrician responsible for installation of NEMA 6-20R.