

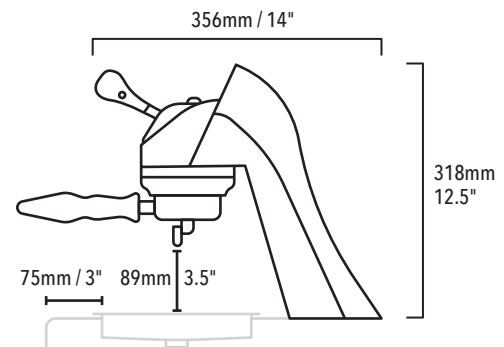
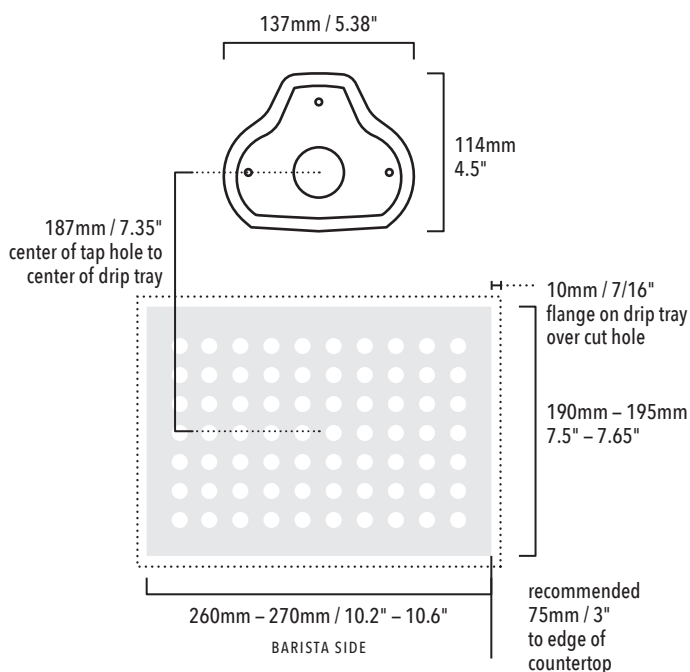
## Pre-Installation Specifications Modbar AV 2 Group + Steam

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 taps in the countertop surface, three 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 800mm and 950mm high, with a depth of at least 500mm.
- 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 100mm and 200mm can be effective.
- 38mm 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 355mm between center holes on adjacent taps.
- If installing scales, countertop surface thickness must be between 20–100mm.



## Designer or Architect Specifications – Below Counter

- Cabinet space should have a depth of at least 500mm and a width of at least 690mm to allow for clearance around and behind the modules.
- Shelves or a wire rack should be provided to support each module.
- Allow 300mm X 300mm within 1.5m of the module for external pump.
- 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:

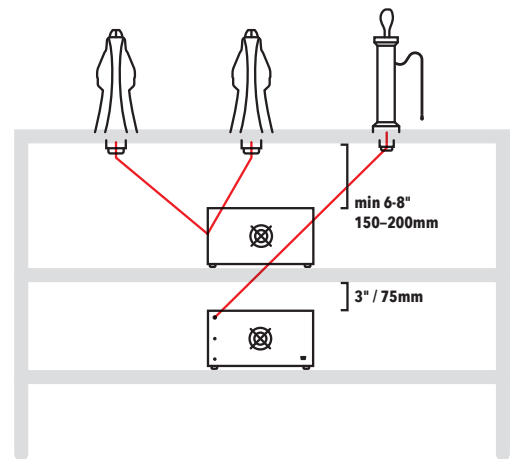
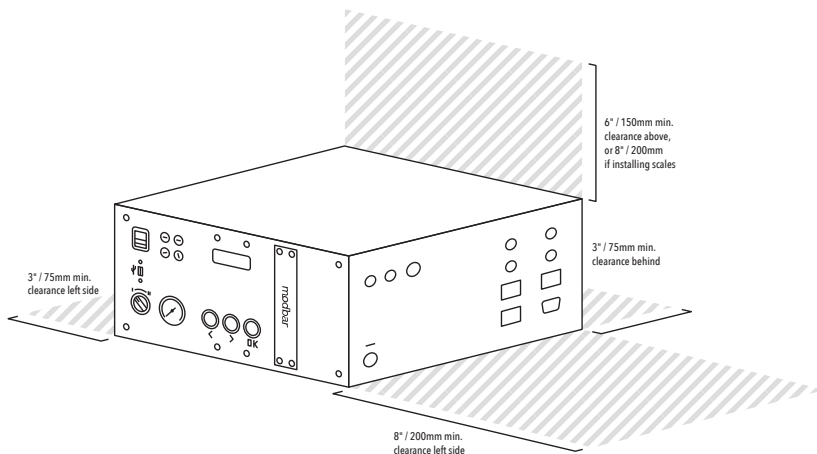
<b>T.D.S.</b>	90—150ppm
<b>TOTAL HARDNESS</b>	70—100 ppm
<b>TOTAL IRON</b>	0—0.02ppm
<b>FREE CHLORINE</b>	0—0.05ppm
<b>TOTAL CHLORINE</b>	0—0.1ppm

<b>PH</b>	6.5—8
<b>ALKALINITY</b>	40—80ppm
<b>CHLORIDE</b>	0—30ppm
<b>LINE PRESSURE</b>	3—5 bar
<b>FLOW RATE</b>	2 GPM/8 LPM

## Module Dimensions & Specifications

MODULE	WIDTH (+CLEARANCE)	DEPTH (+CLEARANCE)	HEIGHT (+CLEARANCE)	WEIGHT	VOLTAGE	RECEPTACLE	WATTAGE
Espresso AV	438mm (+280mm)	375mm (+75mm)	216mm (+150 or 200mm if installing scales)	18 kg	208-240V	16A CEEFORM socket	3200
Steam	406mm (+150mm)	356mm (+150mm)	216mm (+75mm)	23 kg	208-240V	Appropriate receptacle >12A	2500

## Required Module Clearance



## Plumber Specifications

- **Each module** requires a stop valve, with a flow rate of at least 8 litres per minute.
- Pressure between 3 bar and 5 bar. If pressure is too high i.e. >5 bar, pressure regulator is required.
- Owner should communicate with equipment installer about water filtration requirements. Talk with your sales representative for more information.

## Electrician Specifications

- The electrical requirements are 208-240 Volt single-phase, 50-60hz supply with 16A **per module**. (Subpanels are useful in multiple-module installations.)
- All modules will be supplied with a CEEFORM 16A plug end on the power cord. Each module is provided with a 2m power cord exiting machine from the right-hand side. Location of electrical supply should take this into account. Receptacle should be no further than 1.5m from the modules, with the electrician responsible for installation of 16A outlet.

## Waste Outlet

- Drain connection is male ¾" barb connection. Required ¾" armored drain hose (1.5m) is included with your system.
- Open gravity drain of minimum 32mm interior diameter within 1m of module(s).
- Drain must be located lower than the placement of the bottom-most module in your Modbar system. There must be no less than 25mm per 300mm downward slope in drain line.

