WMF COFFEE MACHINES

Technical requirements for plumbing and electrical connections (01/07/07)

Electrical connection:	The following specifications for the electrical connection and the cited standards are applicable for connecting machines in EU countries. If applicable, additional national regulations must be observed. Outside the EU the acceptance of the cited standards must be checked by the persons who market the machines. The following specifications for the electrical connection and the cited standards are applicable for connecting machines in EU countries. If applicable, additional national regulations must be observed. Outside the EU the acceptance of the cited standards must be checked by the persons who market the machines. The building electrical system must comply with IEC 364. For increased safety the device should be protected by an earth-leakage circuit breaker with 30 mA rated fault current (EN 61008). A standard single-phase electrical outlet or a standard three-phase electrical outlet must be installed near the device or 30 cm below the top of the counter on the back or side of the counter. If the power connection cord of this device has been damaged, it must be replaced by our customer service or by a similarly qualified person. If the machine is permanently connected to the building power supply, a circuit breaker that disconnected all poles (main switch) in accordance with EN 60947 must be installed with at least 3 mm contact separation must be installed to protect the machine; the disconnecting device is recommended for a flexible connection. The power cord must not be in contact with hot objects. The main switch and the electrical outlet are part of the building installation. The machine must not be installed with a fixed building connection when used with a trolley (mobile station). <u>Important information:</u> To prevent any interference with our shielded data lines by equipotential currents between the devices, an additional equipotential bonding should be installed for devices connected to an accounting system. (See IEC 364)
Water feed and drainage:	A sufficiently large, easily accessible stop cock (preferably a ball valve) and a dirt filter with a 0.080 mm mesh must be installed in the water pipe under the counter. If a sediment separator is installed, a drainage connection must be available towards the back of the bottom cupboard about 70 mm above the installed floor or socket. If the drainage connection does not have a sediment separator, the drain must be installed at the rear panel of the bottom cupboard 50 cm from the top of the counter. A pipe syphon must be installed in the vented drainage pipe. (Fit hose connection in the funnel with a hose ring holder) The WMF-specific conditions for water, power and effluent must be observed at all times. For the connection from below through the counter an opening is required in accordance with the drawing (see elevation drawing) or a hole approx. 80 to 120 mm in diameter. Alternatively the connections for electricity, water and drainage can be taken through the body of the machine from the back in the indicated ▭ area (see the elevation and side view). Depending in the type of coffee machine, a WMF water softener will be required to comply with WMF specifications if the water is harder than 90 to 160 ppm. Please follow the WMF connection specifications. **<u>CAUTION:</u>** The static water pressure must not exceed 0.6 MPa (6 bar).
Water connection:	1/2” (TW 15)
Flow pressure:	min. 0.2 MPa at 2 L min., or with a combination of F and Programat GV 8 L min., max. 0.6 MPa.
Accessories:	water softener, sediment separator or building-side sediment trap
Drain:	depending on coffee machine type DN 19 or DN 40, gradient 2%

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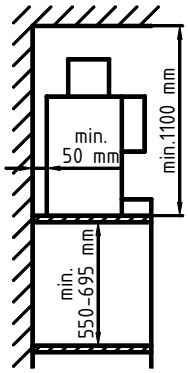
Installation clearances: 	For the installation a minimum clearance of 50 mm to the back wall and at the sides to walls or other non-WMF equipment is required for functional, service and safety reasons. A clear height of 1100 mm, - resp. 1300 mm for coffee machines equipped with cooler below centre - from the top of the installation area is required. The height of the installation area from the top of the floor should be at least 700 mm, and at least 850 mm for the Presto series and a maximum of 900 mm. Usage of the space below by accessories (such as water filter or sediment separator) requires a clear installation height of 550 mm to 695 mm for the Standard water filter (590 mm for the Jumbo water filter). If a separator is required for operation of the coffee machine, see the installation instructions in the WMF planning information for planning and installation. If the connections of the coffee machine are down through the counter, please also consider the space required by the connection lines, which may restrict the usable space in the substructure.

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