

KEG-internal cleaning and filling machine type: MINOMAT A 6/6








Construction

- The MINOMAT is equipped with a walking beam system and includes all electric and pneumatic parts required for its operation.
- By means of integrated control soft- and hardware (Siemens S7) the cleaning and filling process is done full automatically.
- Installed pressure switches control the minimum pressure that is to be achieved by all media used in the process.
- Initiators monitor the positions of pneumatic cylinders
- Liquid detectors control the media flux and re-flux.
- The base frame is made of welded stainless steel.
- Pipe-work, valves and all important mechanical elements are also of stainless steel.
- The machine can be equipped with a conversion unit for different kinds of fitting systems, as well as for KEGGYs and soft-drink-KEGs.

Technical Data MINOMAT A 6/6

Capacity	70 - 80 KEG/h	
Stations	station 1 - 4	: internal cleaning
	station 5	: rinsing and sterilization
	station 6	: filling
Dimensions	depth (T)	: 1.300 mm
	length (L)	: 2.700 mm
	height (H)	: 2.200 mm ± 50
	transport height (TH)	: 800 mm ± 50
Connections	product	: DN 25
	medium	: DN 25
	control air	: socket ¾ "
Electrical	voltage	: 230/400 V, 50 Hz
connection	connection power	: 1 kW (without tank pumps)

Energy consumption for the required media

	media	pressure and temperature	consumption/KEG
	• hot water*)	2 - 3 bar g, 80 - 95 °C	7 l
	• mixed water (re-used hot water) or fresh water	2 - 3 bar g, 20 - 60 °C	7 l
	• detergent	2 - 3 bar g, ca. 80 °C	circulating ca. 15g detergent
	• saturated steam	0,5 bar g (111 °C) to 1,5 bar g (127 °C)	ca. 0,4 kg
	• pressure air (oil-free)	4 - 10 bar g	0,13 m ³
	• sterilized air	1,5 - 3,0 bar g	0,2 - 0,3 m ³
	• counter-pressuring gas CO ₂ , N ₂ , sterilized air	2,5 - 5,5 bar g	CO ₂ - consumption: 150 - 200 g for a 50 l KEG and a counter-pressure of 2 bar in the product