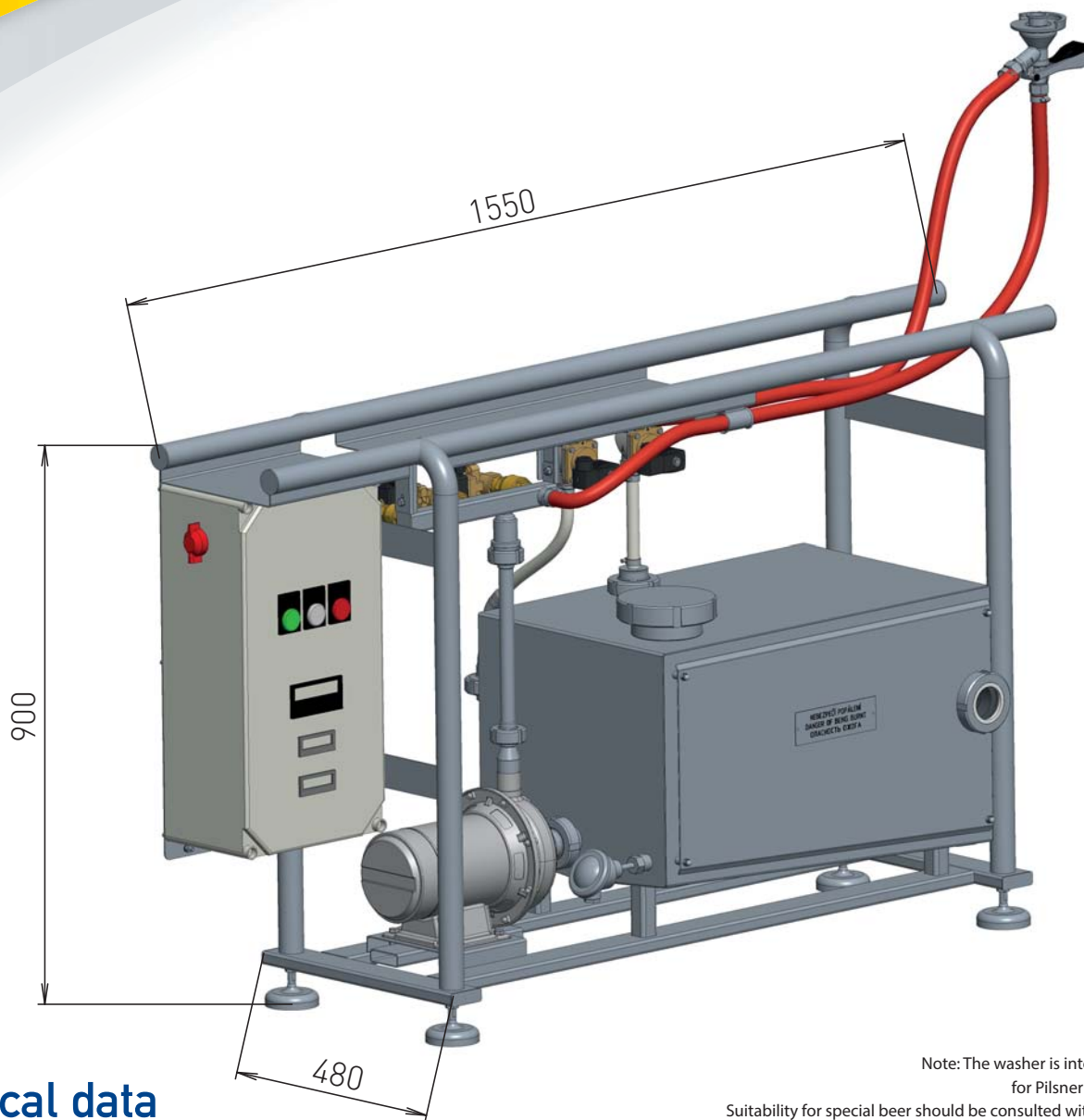


# DESTILA® KEG barrel washer MSD-50 A/4

www.destila.eu

MSD-50 A/4 is an ideal economical washer for stainless steel KEG barrels for private brewers who want to introduce an automatic KEG barrel washing process instead of manual washing. The washing cycle lasts less than 7 minutes and ensures quality washing and rinsing.



## Technical data

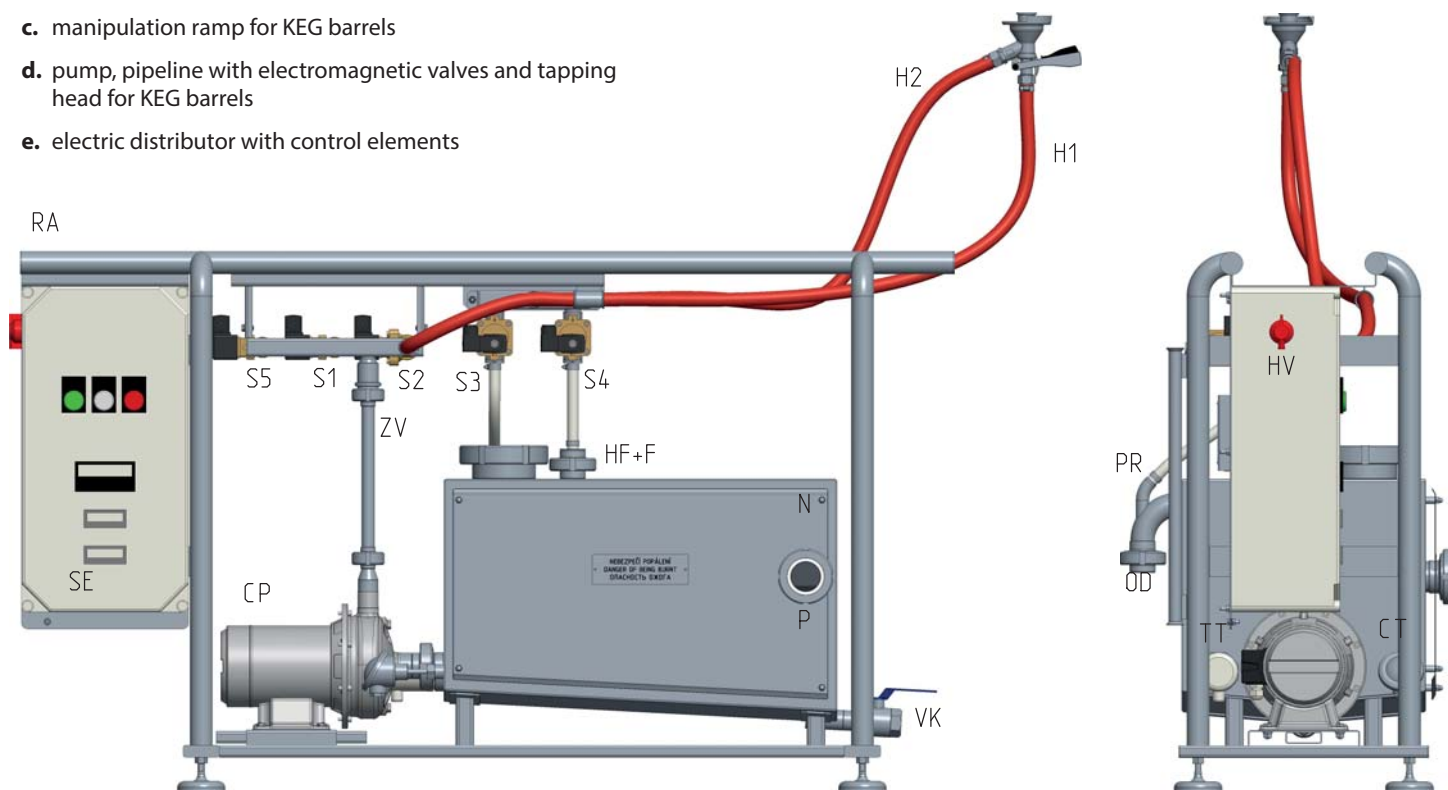
Note: The washer is intended primarily for Pilsner style beer kegs. Suitability for special beer should be consulted with the producer.

Max. detergent volume	55 litres
Weight (in kg – without content)	100 kg
Output	8 KEG barrels / hour
Power input	5 kW
Power supply	3AC+N+PE 400V/230V/50Hz TT
Damp protection	IP 54
Noise level	65,4 dB
Recommended CO <sub>2</sub> pressure	0,5-1,2 baru
Recommended H <sub>2</sub> O pressure	4 <sup>+0,2</sup> baru
Recommended air pressure	4 <sup>+0,2</sup> baru (by 0.5 bar more than water pressure)
Detergent	Caustic soda, 2 % solution with disinfection additives (chloride preparations and preparations with solid particles are strictly forbidden)

# Technical description

The KEG barrel wash comprises of the following basic components:

- a. load-bearing frame
- b. npressurised tank for detergent with a heating body, temperature sensor, sight glass and outlet
- c. manipulation ramp for KEG barrels
- d. pump, pipeline with electromagnetic valves and tapping head for KEG barrels
- e. electric distributor with control elements



<b>HF+F</b>	Filter head + filter
<b>CP</b>	Pump
<b>ZV</b>	Check valve
<b>H1</b>	Detergent supply hose
<b>H2</b>	Detergent discharge hose
<b>NH</b>	Tapping head
<b>S1</b>	Electromagnetic valve / air
<b>S2</b>	Electromagnetic valve / water
<b>S3</b>	Electromagnetic valve / waste water
<b>S4</b>	Electromagnetic valve / detergent return line
<b>S5</b>	Electromagnetic valve / CO <sub>2</sub>
<b>N</b>	Container with detergent
<b>PR</b>	Overflow
<b>P</b>	Sight-glass for the level inspection
<b>CT</b>	Thermometer
<b>TT</b>	Resistance heating
<b>OD</b>	Waste pipe DN40
<b>VK</b>	Detergent container outlet
<b>SE</b>	Electric distributor with control elements and KEG barrel counter
<b>HV</b>	Main switch
<b>RA</b>	Ramp

## Washing process

**8 basic technological steps of the KEG barrel washing process. One cycle takes less than 7 minutes.**

- KROK 1** Flushing the barrel with sterile air to clean the barrel from the beer residue (max. 1 litre)
- STEP 2** Flushing the barrel with clean cold water to remove large impurities
- STEP 3** Flushing the barrel with sterile air to remove the water residue
- STEP 4** Pulse flushing of the barrel with detergent
- STEP 5** Flushing the barrel with sterile air to remove the detergent residue
- STEP 6** Pulse flushing of the barrel with clean cold water
- STEP 7** Flushing the barrel with sterile air to remove the water residue
- STEP 8** Air flushing and filling the barrel with CO<sub>2</sub>

Note: The steps 4 and 5 are repeated 3 times, the steps 6 and 7 twice

