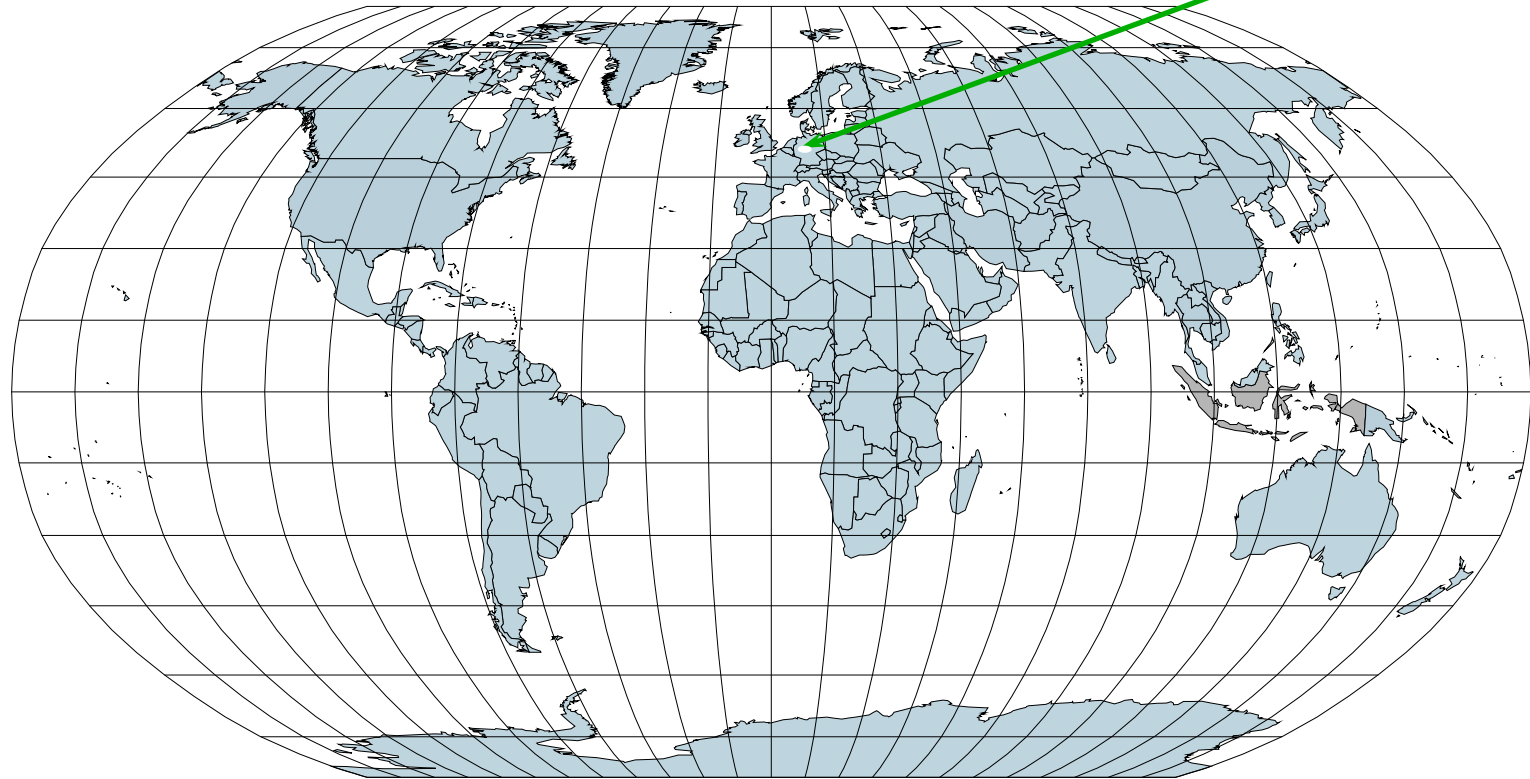
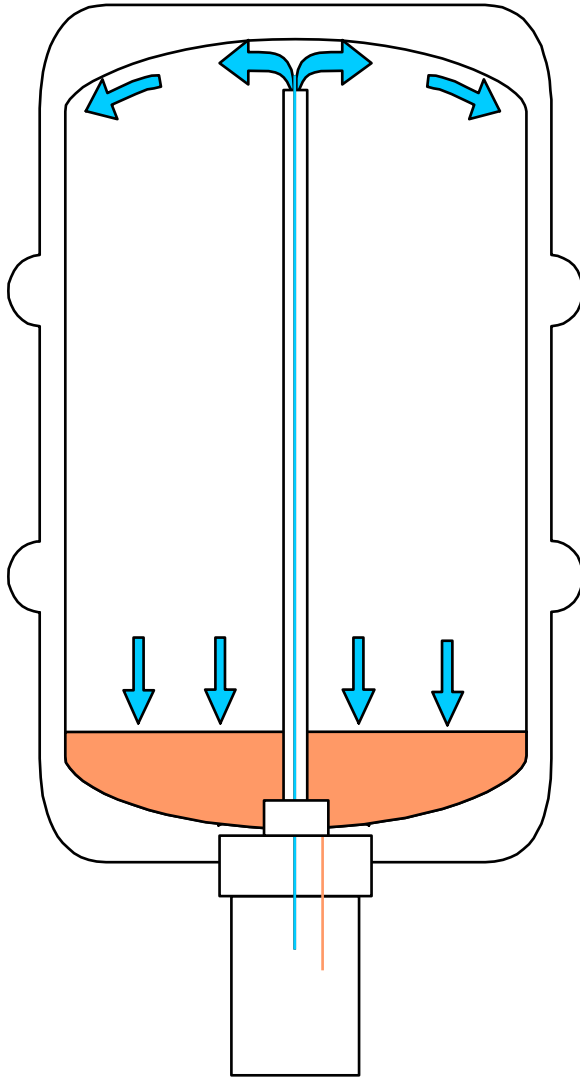


# **m +f** **KEG - TECHNİK**

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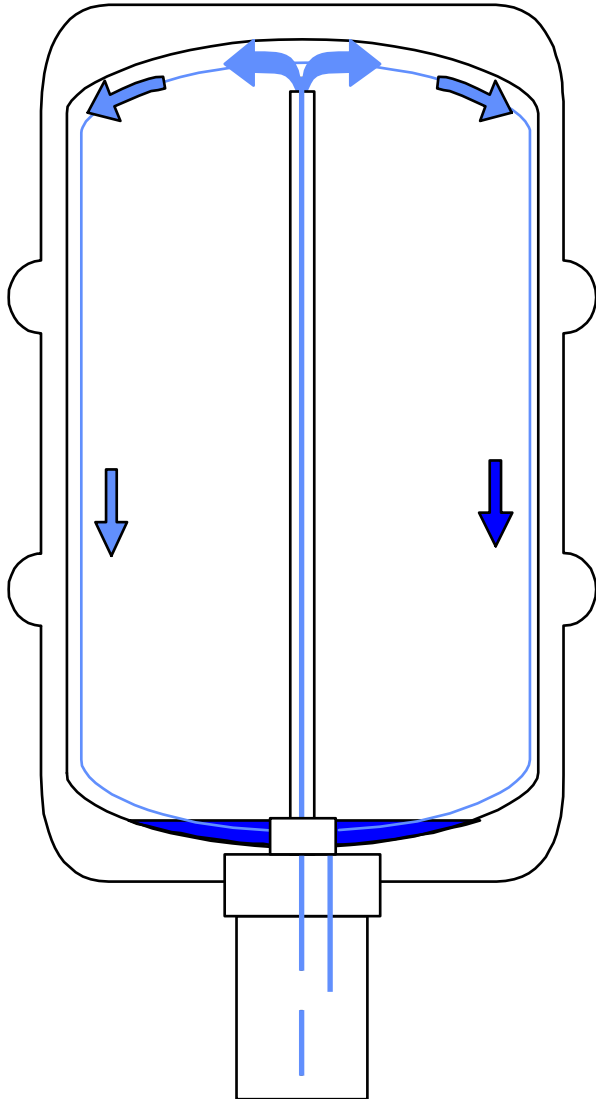


# internal cleaning process



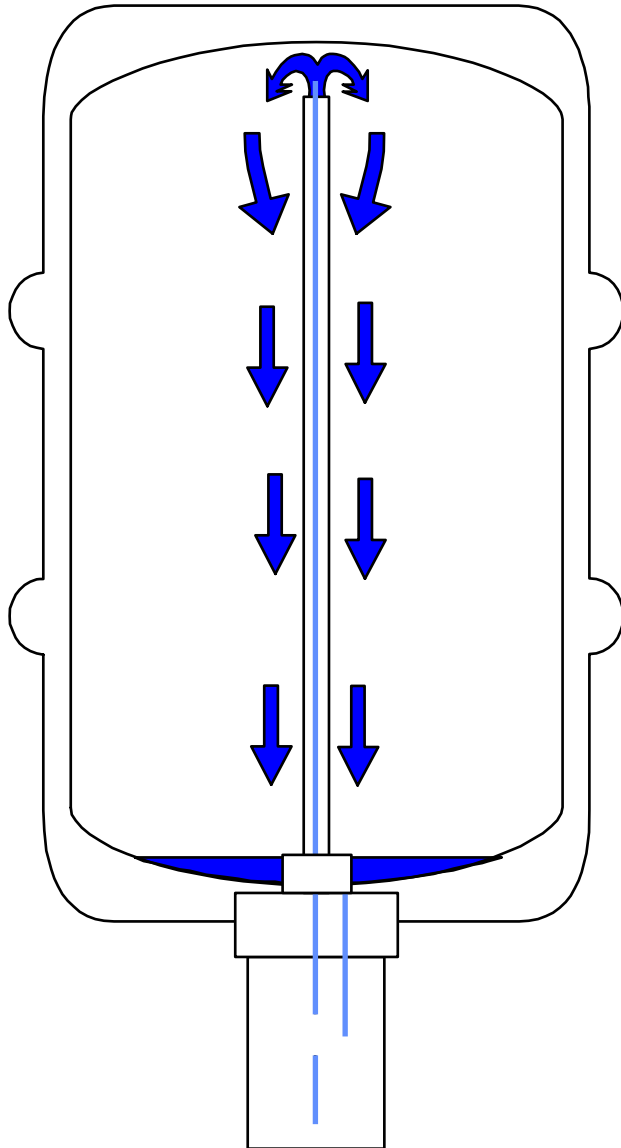
**step 1:** pressure check and purging of ullages by filtered air

# internal cleaning process



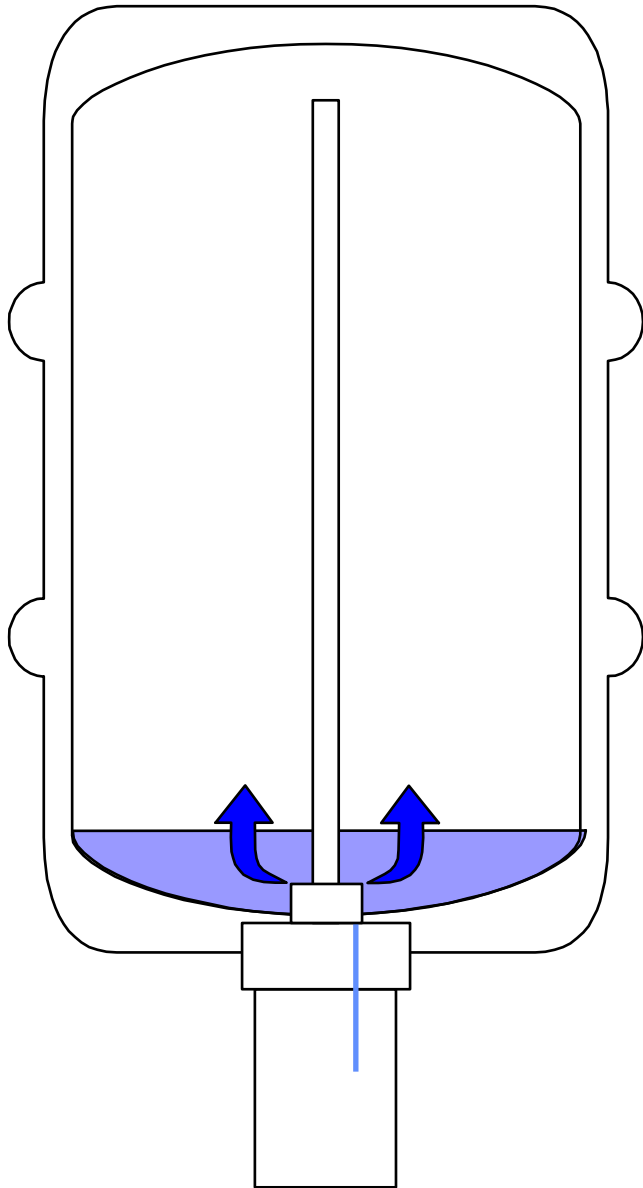
**step 2:** mixed water rinse of  
KEG-side

# internal cleaning process



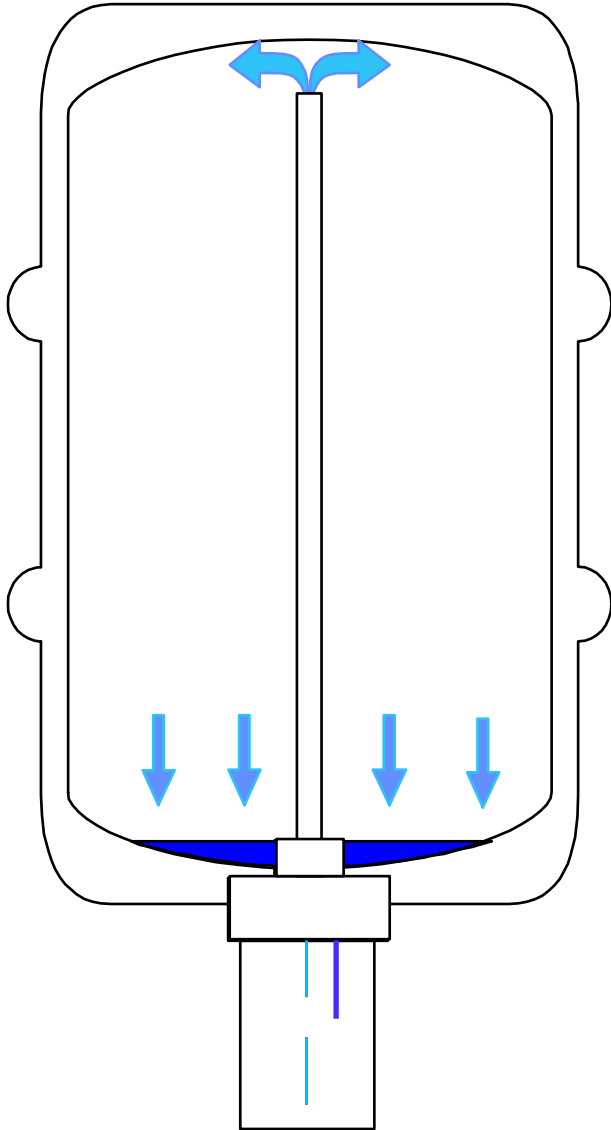
**step 3:** mixed water rinse  
through the spear

# internal cleaning process



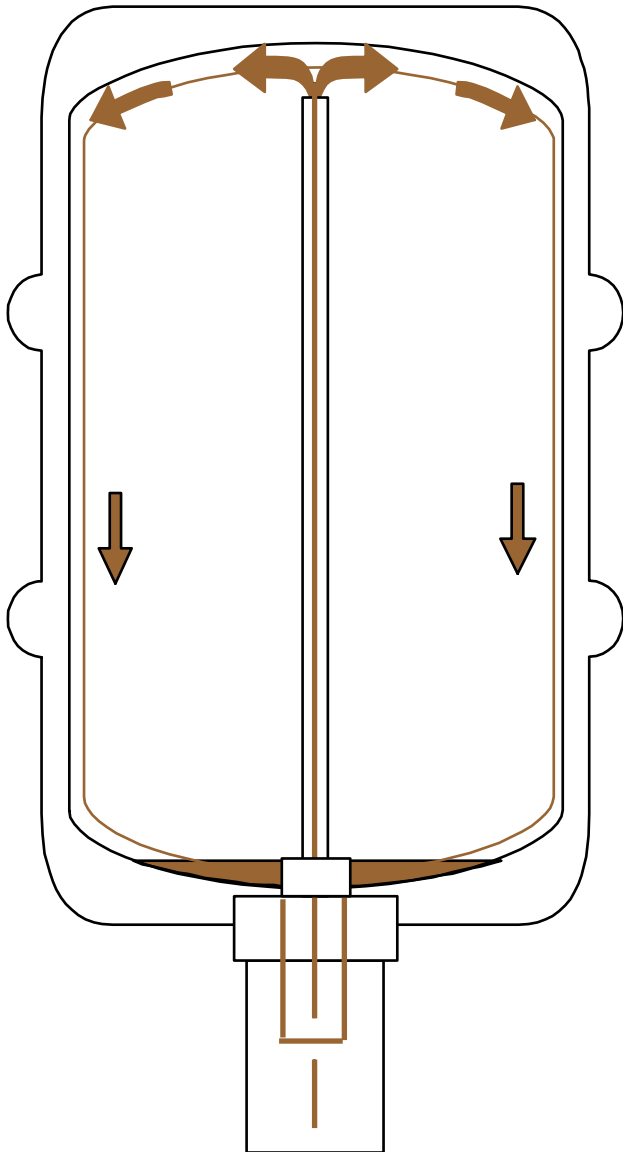
**step 4:** mixed water rinse  
by counter-flow procedure

# internal cleaning process



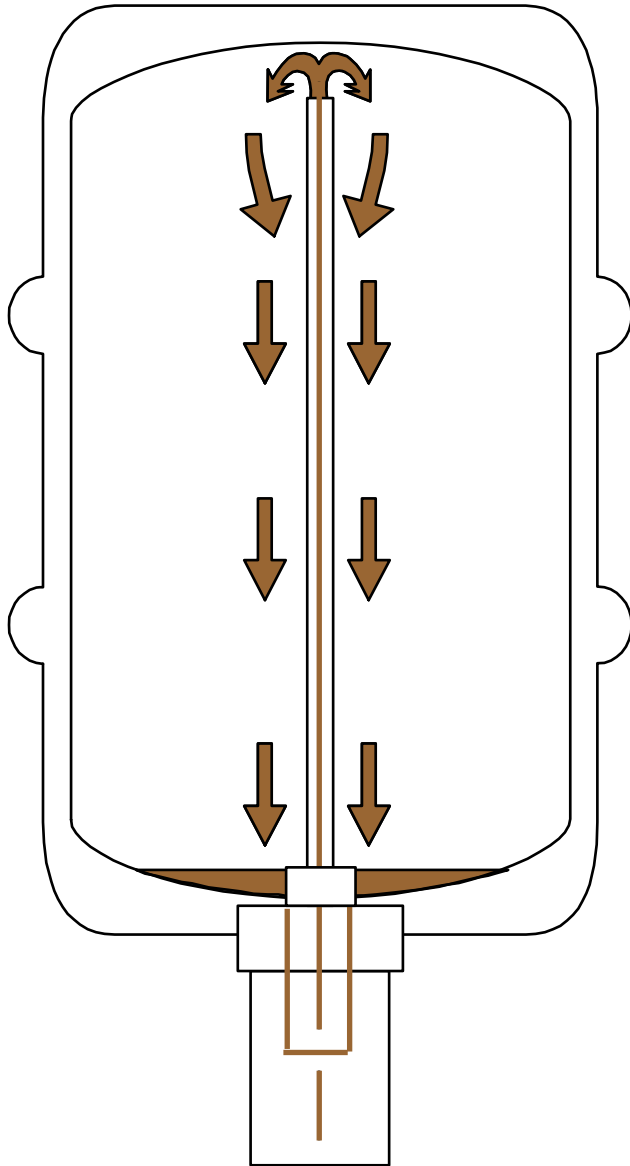
**step 5:** purging by filtered air

# internal cleaning process



**step 6:** caustic rinse of KEG-side

# internal cleaning process

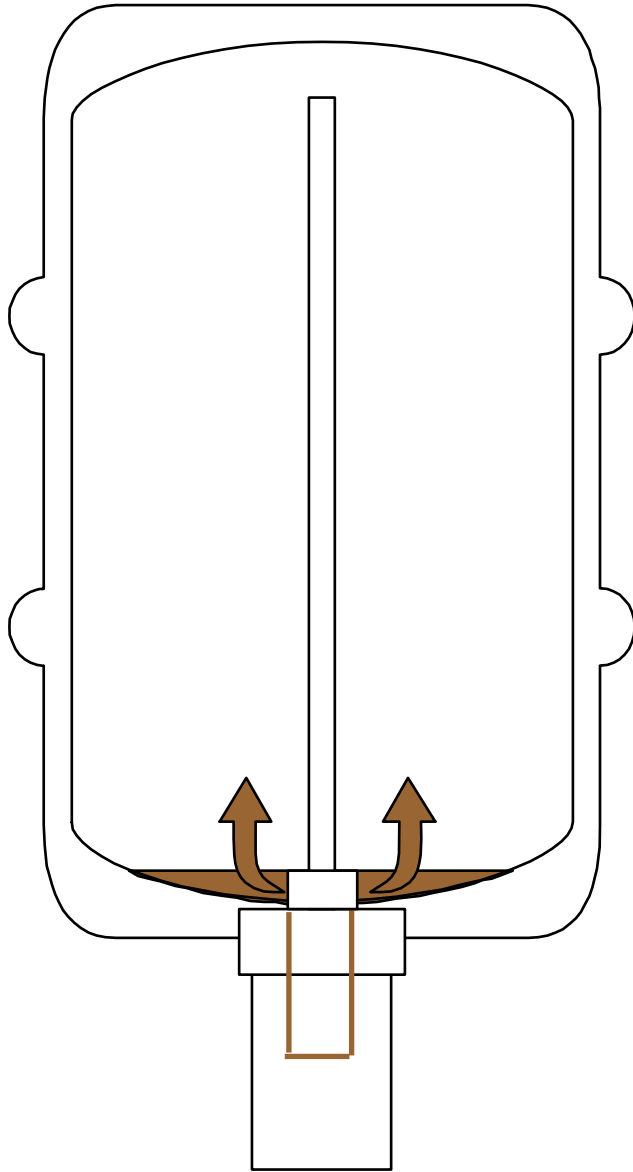


**step 7:** caustic rinse through  
spear

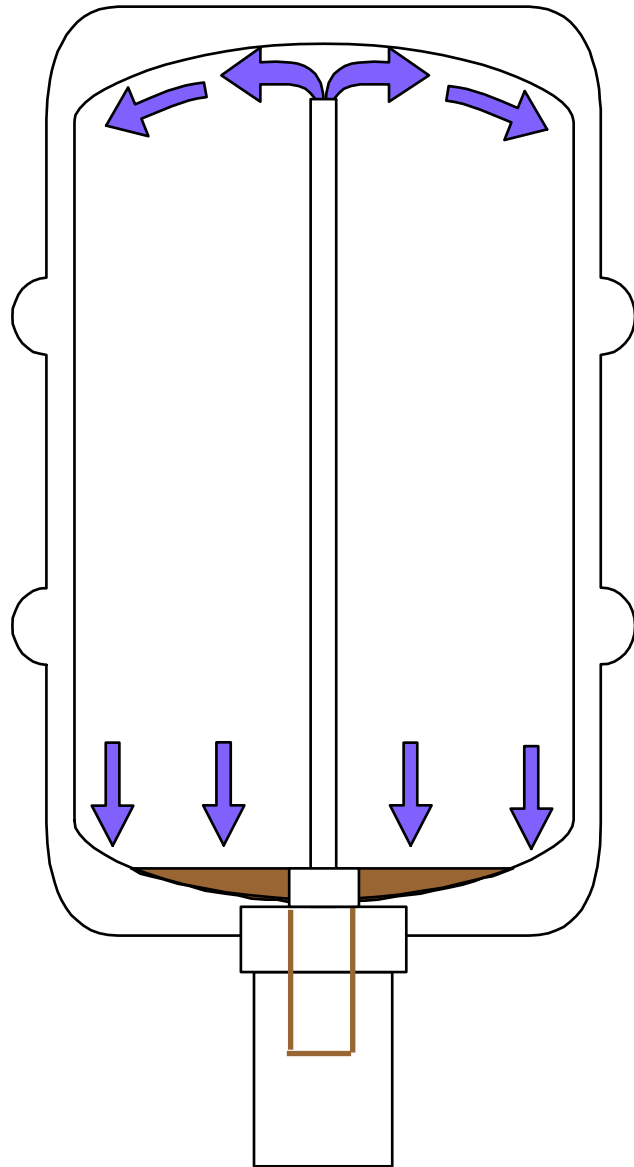


# internal cleaning process

**step 8:** caustic rinse by  
counter-flow procedure

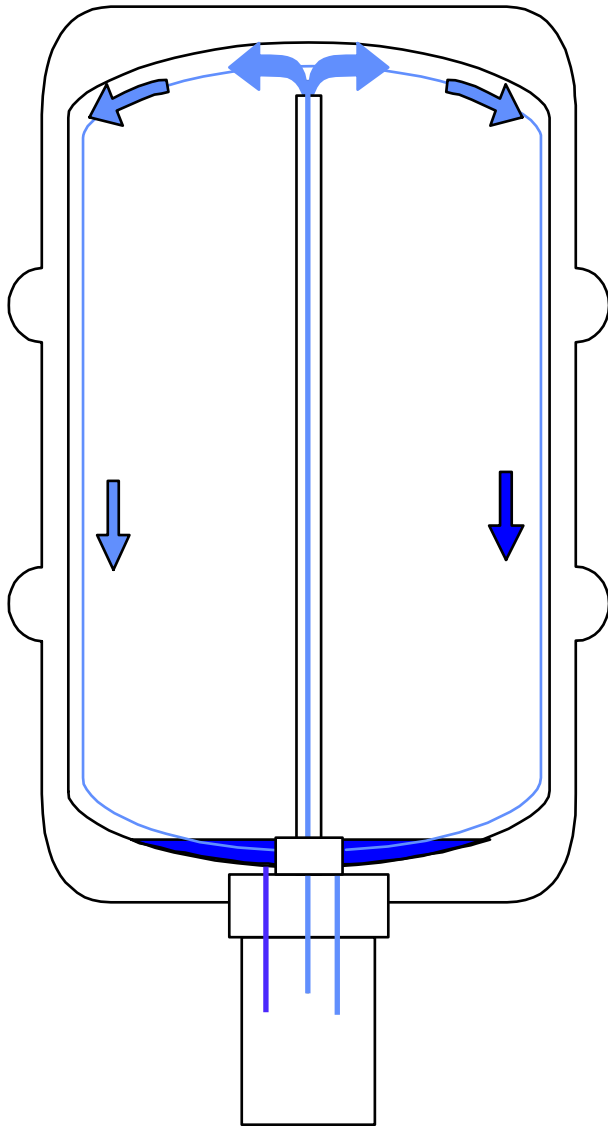


# internal cleaning process



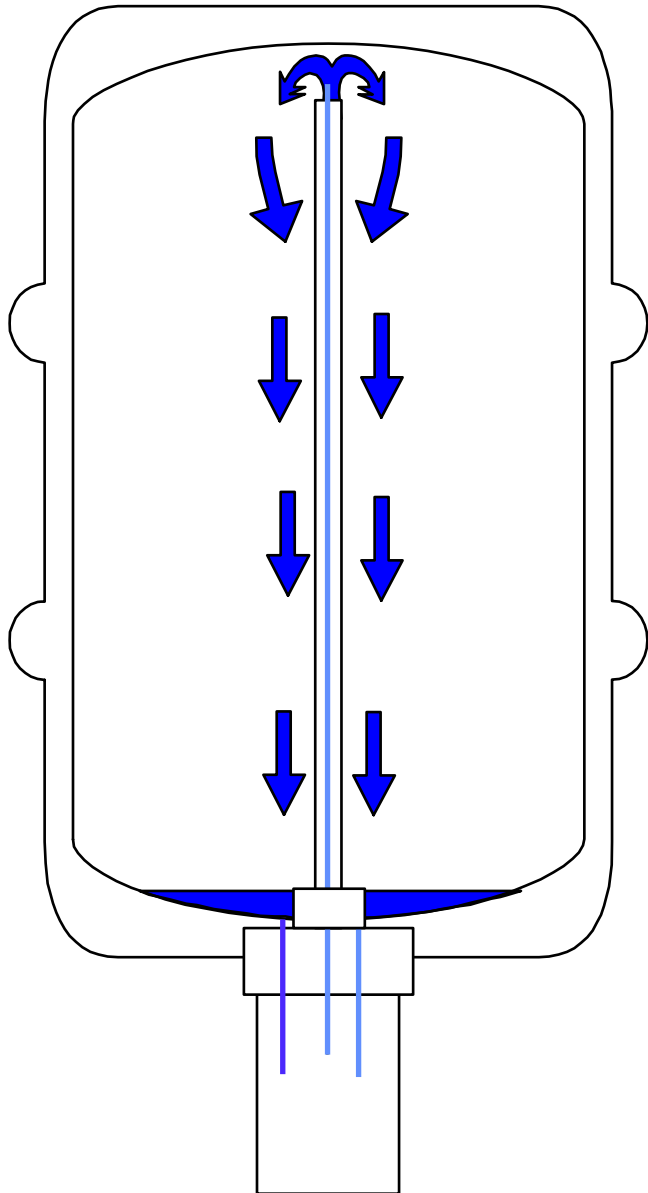
**step 9:** purging by filtered air

# internal cleaning process



**step 10:** hot water rinse of KEG-side

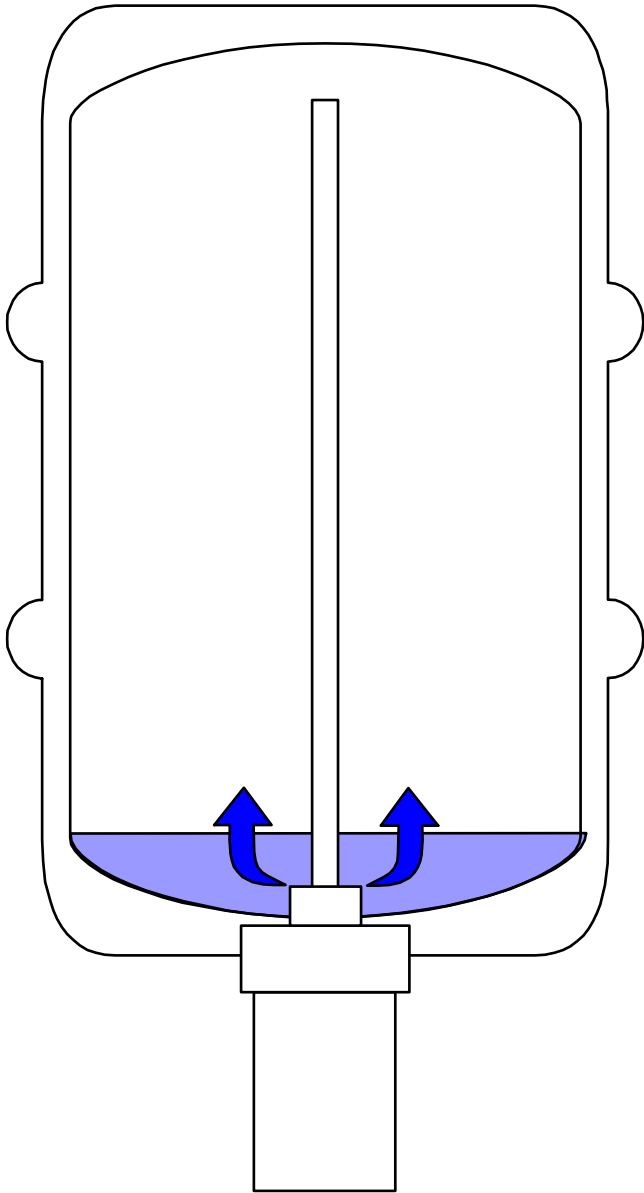
# internal cleaning process



**step 11:** hot water rinse through spear

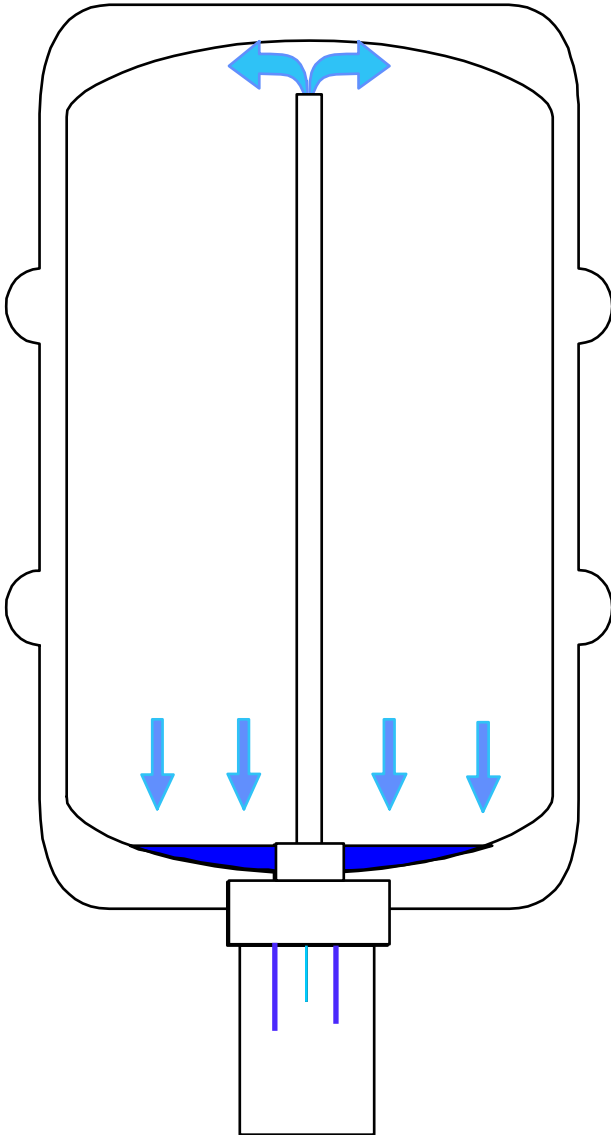
# internal cleaning process

**step 12:** hot water rinse  
by counter-flow procedure

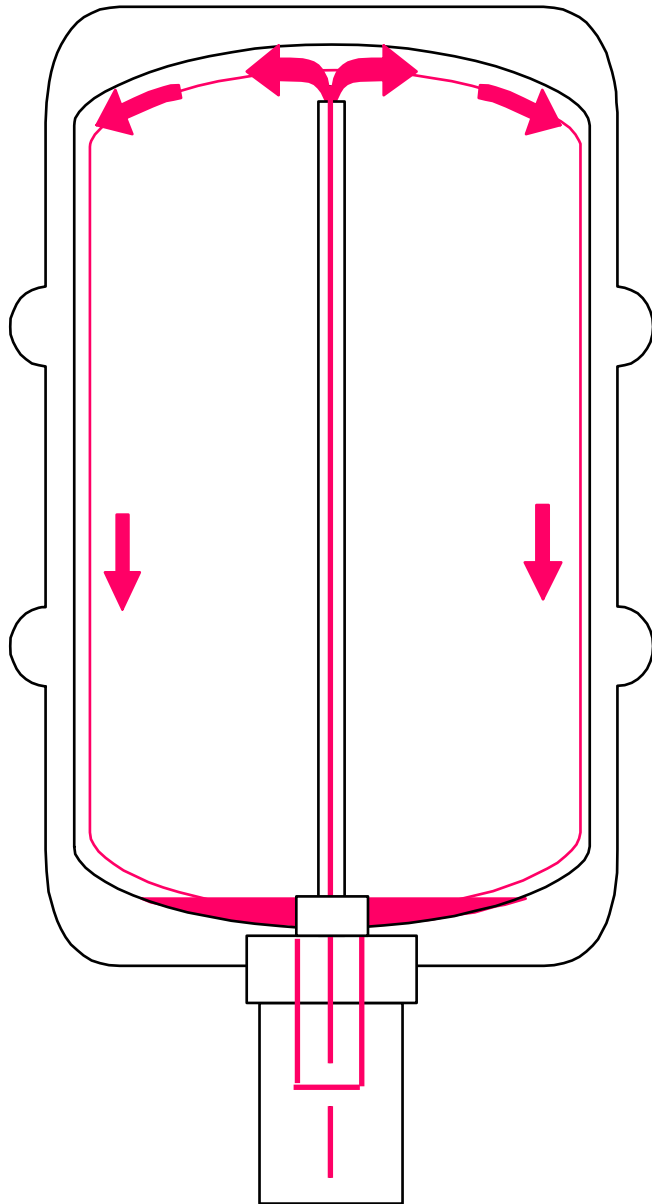


# internal cleaning process

**step 13:** purging by filtered air



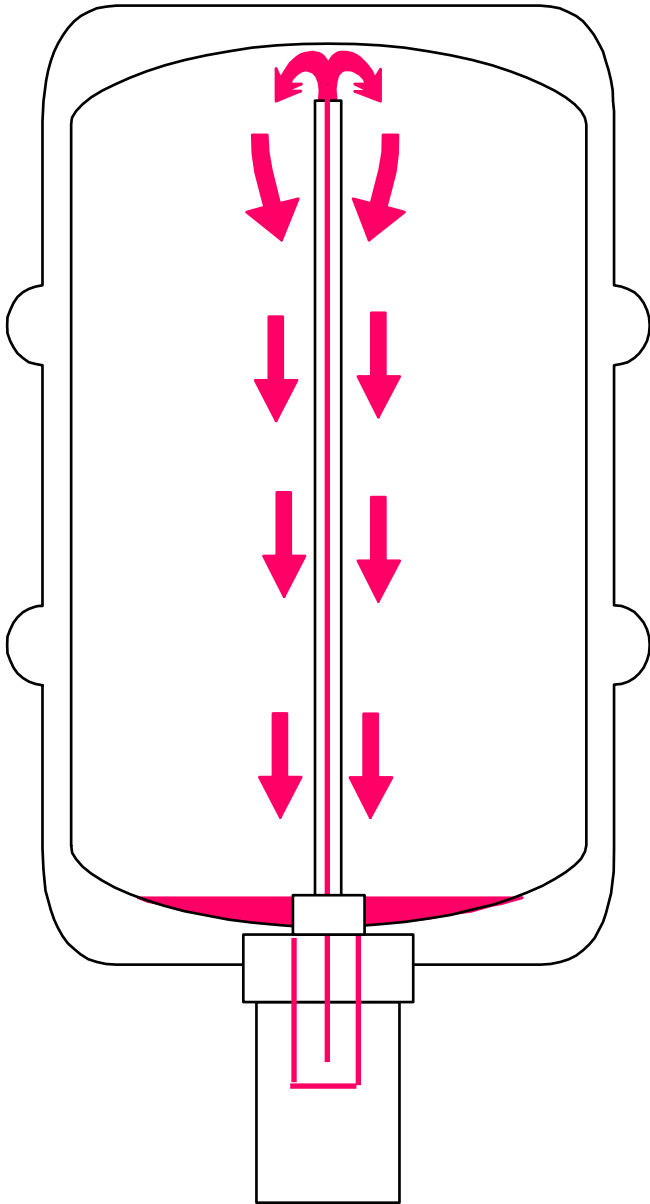
# internal cleaning process



**step 14: acid rinse of KEG-side**

# internal cleaning process

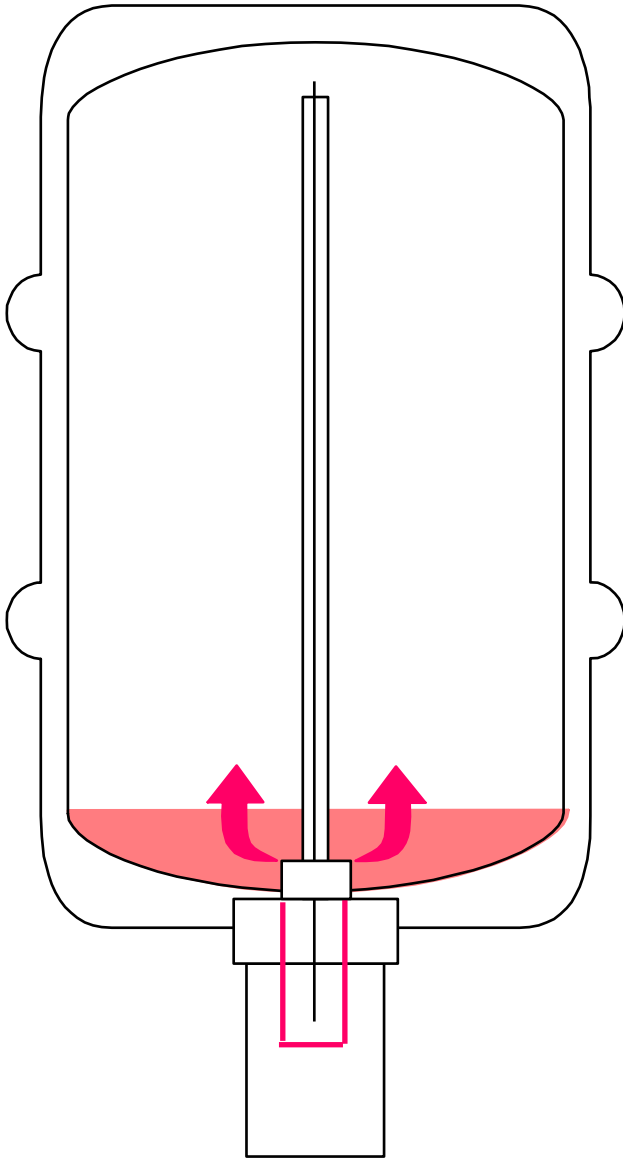
**step 15: acid rinse through spear**



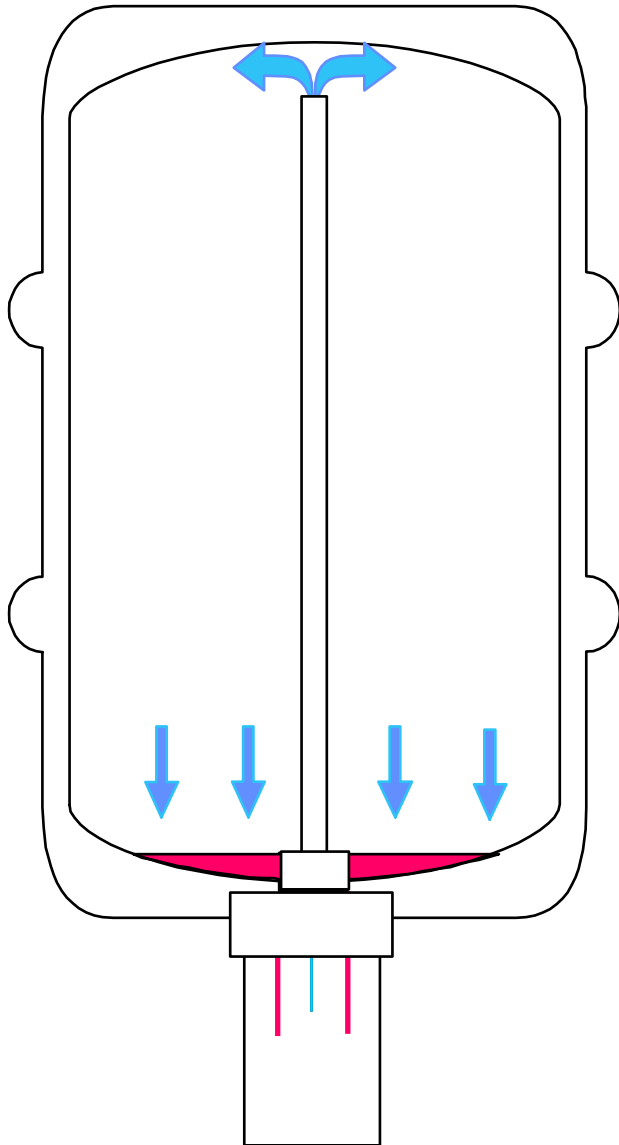


# internal cleaning process

**step 16:** acid rinse by counter-flow procedure

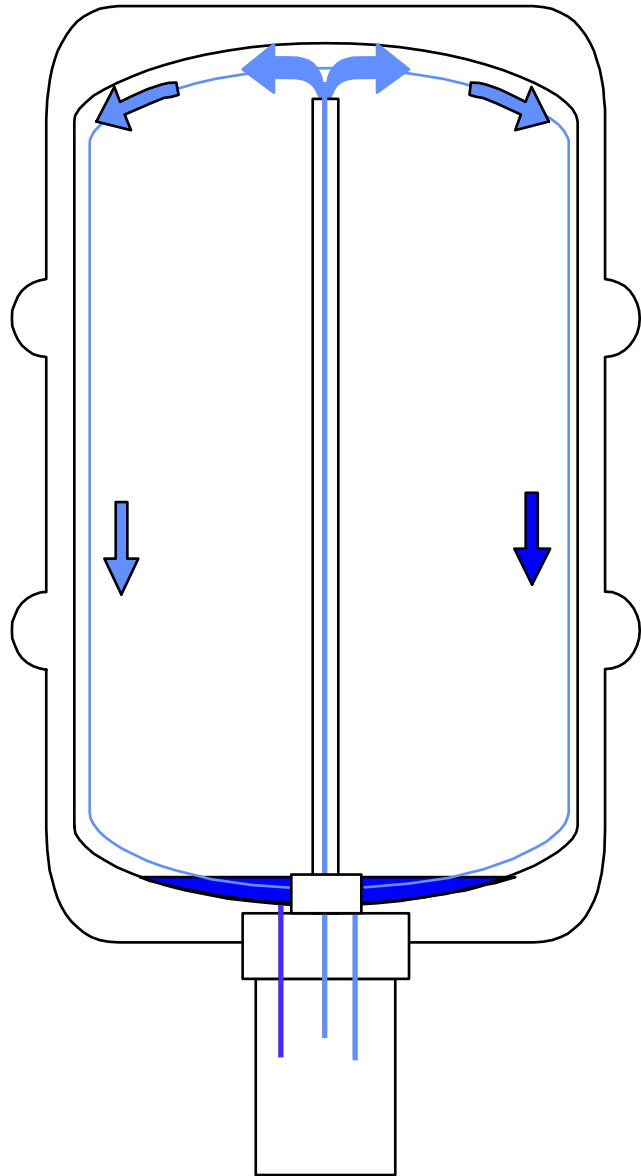


# internal cleaning process



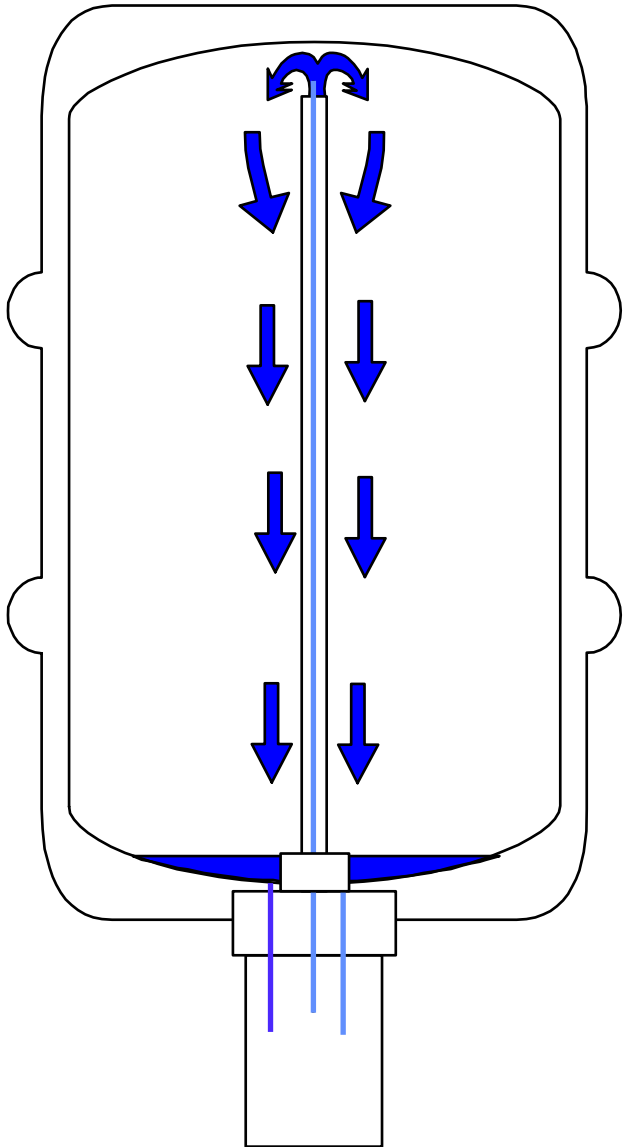
**step 17:** purging by filtered air

# internal cleaning process



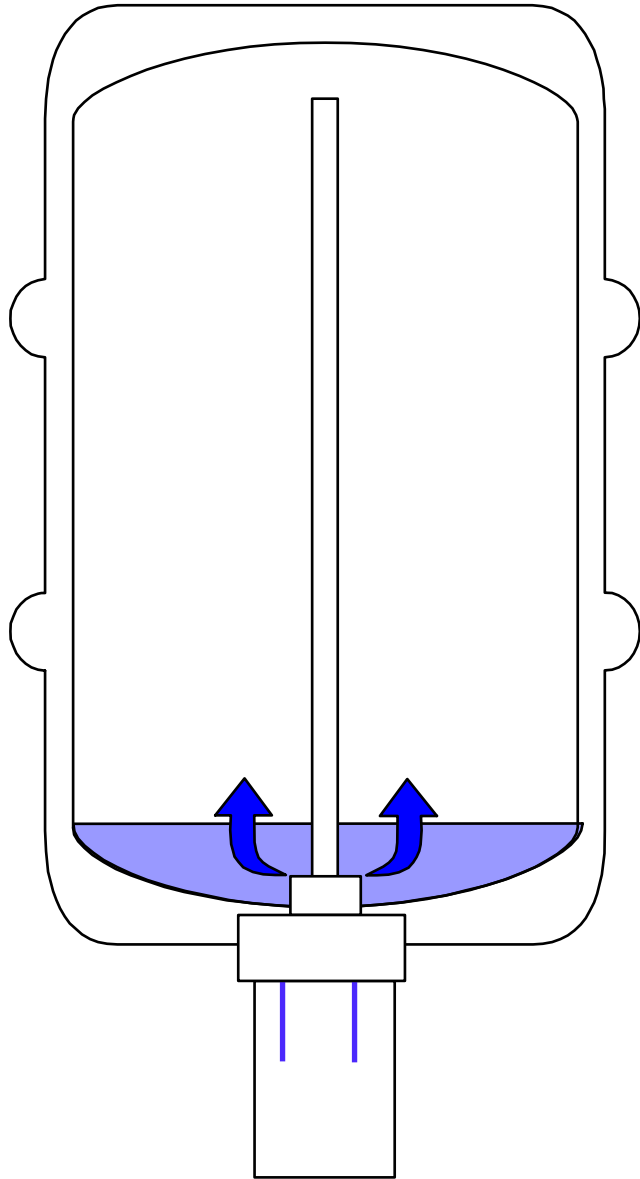
**step 18:** hot water rinse of KEG-side

# internal cleaning process



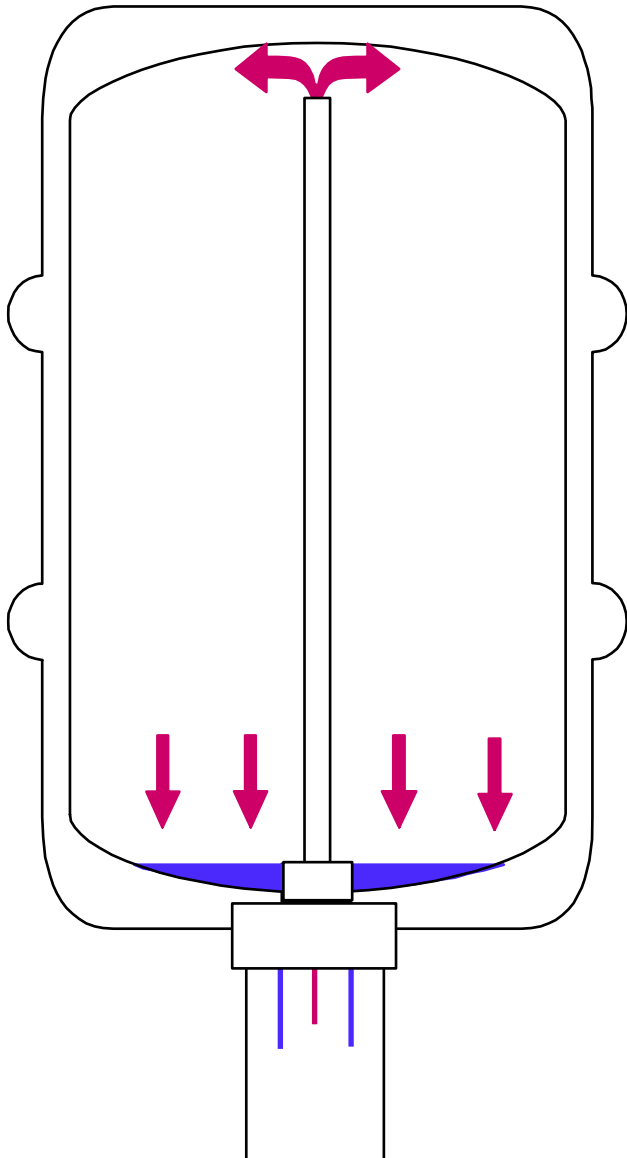
**step 19:** hot water rinse through spear

# internal cleaning process



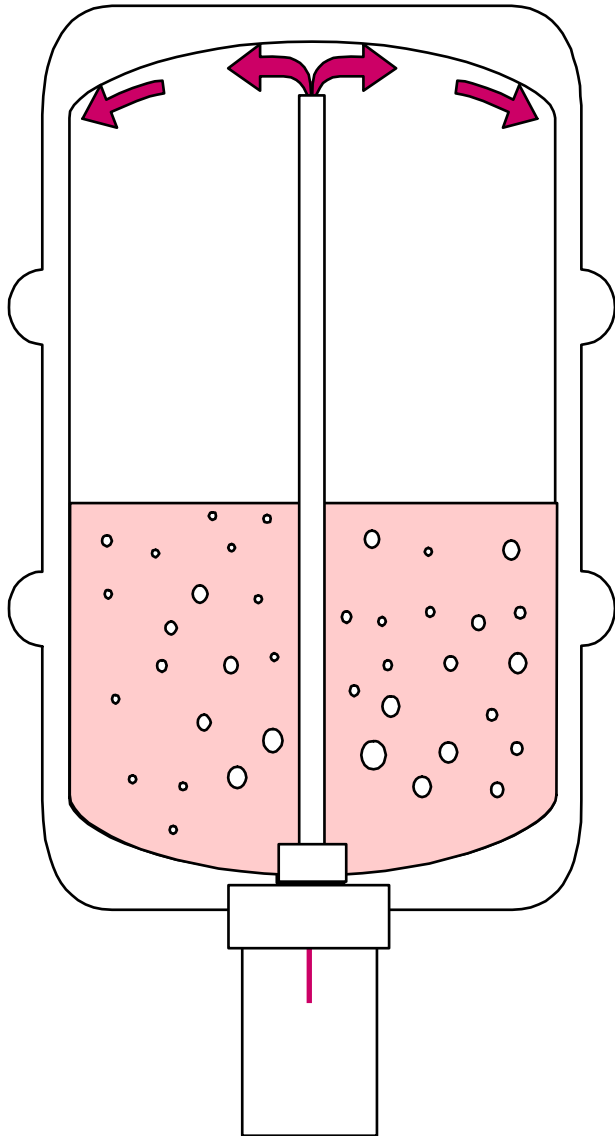
**step 20:** hot water rinse by counter-flow procedure

# internal cleaning process



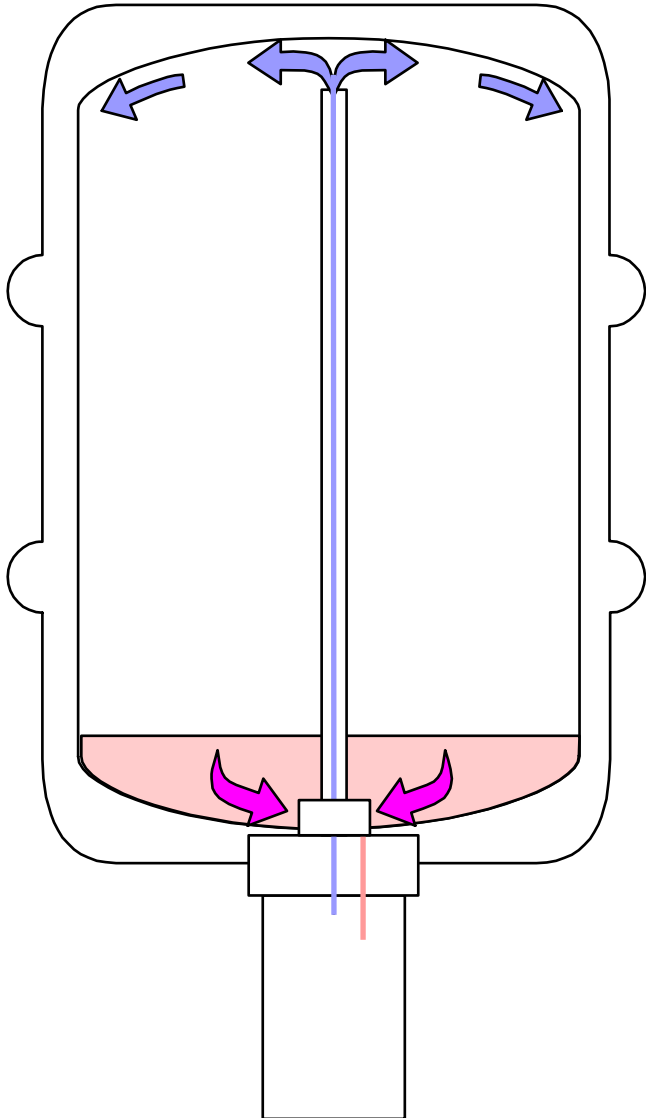
**step 21:** purging of KEG by steam

# internal cleaning process



**step 22:** pressurisation by steam

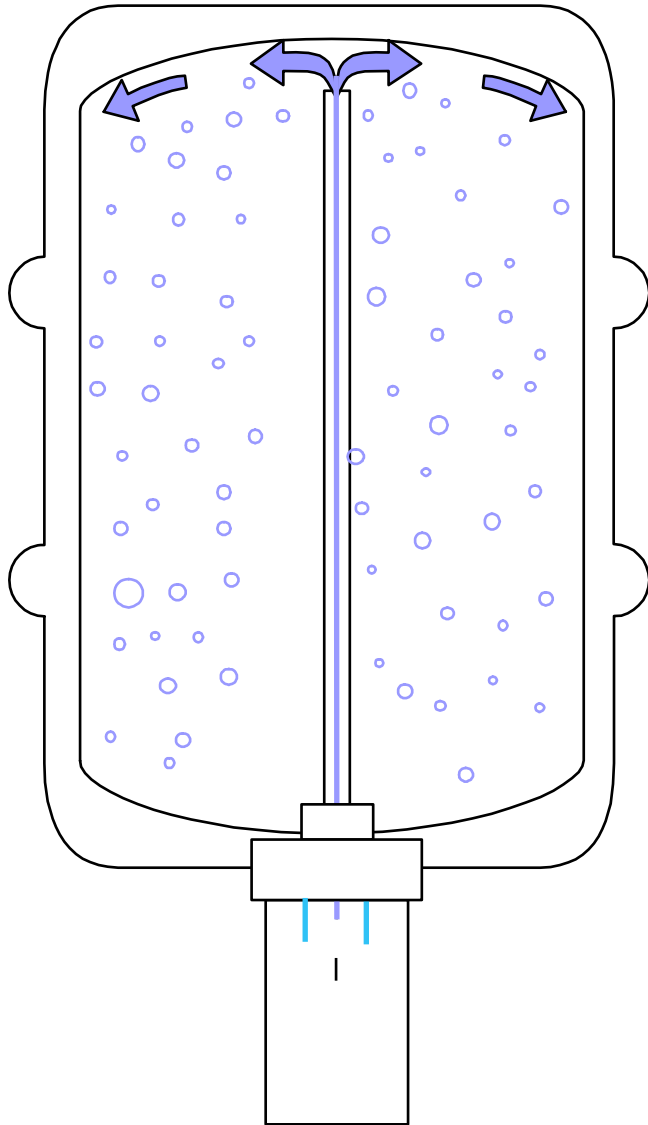
# filling process



**step 23:** temperature control and purging by CO<sub>2</sub>

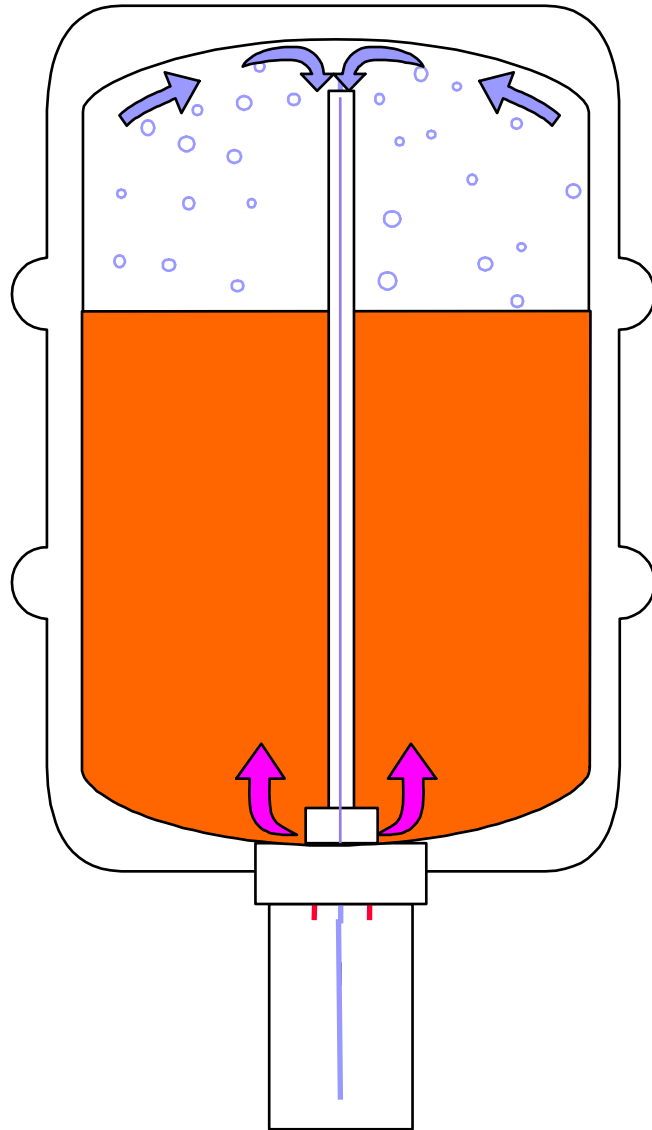


# filling process



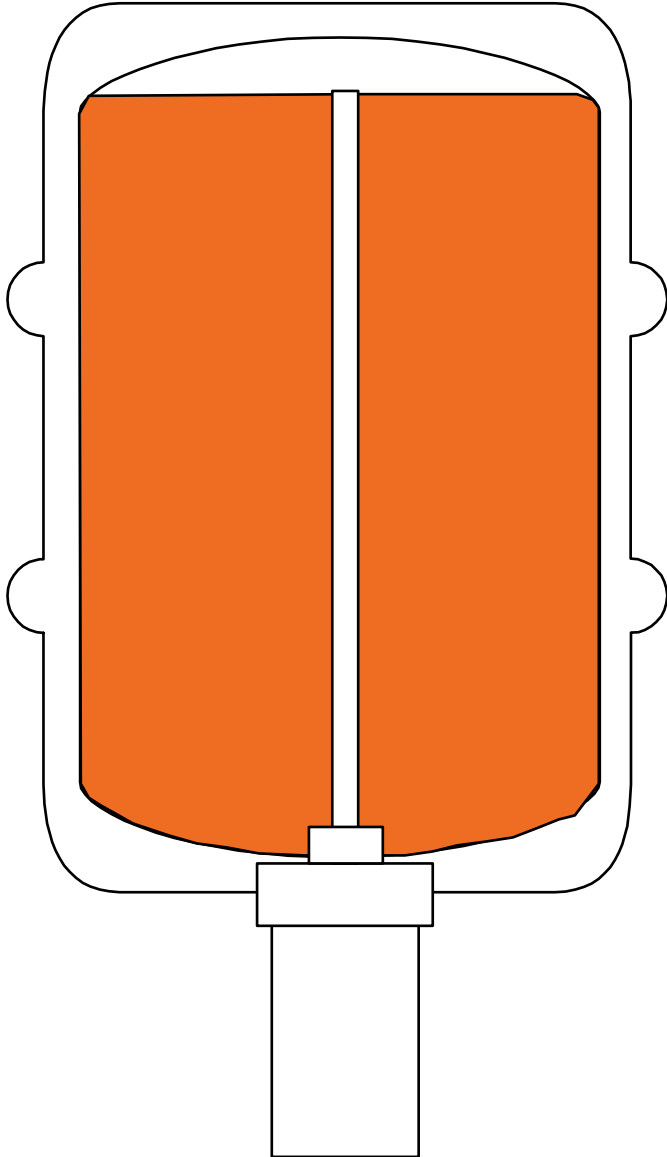
**step 24:** counter-pressurization by CO<sub>2</sub>

# filling process



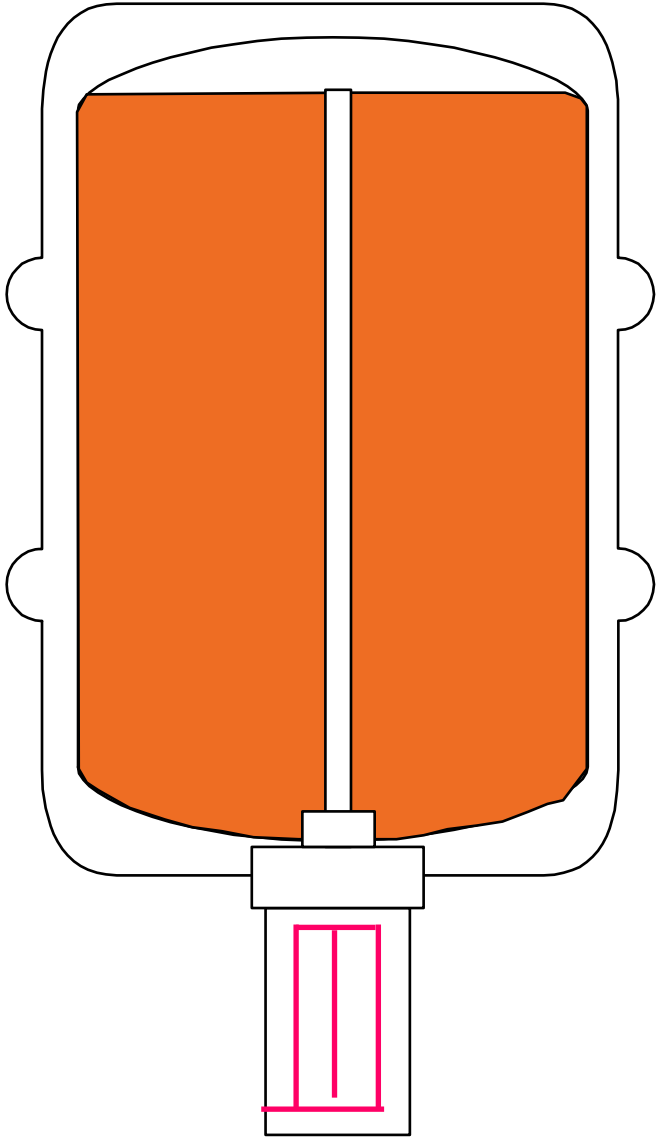
**step 25: filling process**

# filling process



**step 26:** end of filling process

# filling process



**step 27:** purging of filling head with hot water and steam

# **mf** / **KEG - TECHNIK**

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GmbH & Co. KG

Weusterstrasse 27

D-46240 Bottrop

Tel.: +49 2041 743-0

Fax: +49 2041 743-190

E-mail: [info@mfKEGtechnik.de](mailto:info@mfKEGtechnik.de)

<http://www.mfKEGtechnik.com>

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