

CLEANING BEVERAGE DISPENSING SYSTEMS WITH TM DESANA MAX

TM DESANA MAX is a cleaning- and verification agent in powder form for all kinds of beverage dispensing installations. During the cleaning process the COLOR INDICATOR shows the hygienic status of the beverage lines.
These 7 easy steps show you how to verify and clean with a pressurized cleaning KEG and TM DESANA MAX.

PRESSURIZED CLEANING SYSTEM

1. PRE RINSE LINE

Always pre rinse cleaning container with fresh water.

Open the faucet and empty the line of residues. Flush lines with clean tap water.

2. OBERSERVE SAFETY ASPECTS!

During handling with the powder and the prepared solution always wear protective clothing (gloves, glasses)!

The powder of TM DESANA MAX is a corrosive agent. AVOID INHALATION / SKIN CONTACT WHEN OPENING the sachet. Bend sachet at dashed line and tear to open.

The solution should not get in touch with the skin. Do NOT feel the rinse effect with your hand or fingers! Use pH-test strips to verify a proper rinsing.
Leaving the product at the place of use might cause danger for children!

3. PREPARE SOLUTION

Make sure to prepare enough solution to fill entire system (see tables A and B)! Content of 1 sachet (45g or 1.6 oz) good for 4,5 lit or 1.2 gal of solution. Add powder into flowing jet of luke warm water (max. 38°C or 100°F) and fill up cleaning bucket with 4,5 lit or 1.2 gal of water.

Avoid the building of chunks: Close cleaning-container and shake well.
NOTE: NO shaking of the container AFTER attaching to CO_2 supply! CO_2 will neutralize the alkaline solution in the tank!

Take a "blank" sample from the fresh purple TM DESANA MAX-solution. You will need it later for comparing the colors.

4. FILL THE LINES

Disinfect the coupler and attach it to the cleaning container under CO_2 -pressure.

Open faucet and leave running. Close faucet as soon as cleaning solution flows through.

Leave TM DESANA MAX solution for 3 minutes. TM DESANA MAX dissolves dirt in line during this time and changes color.

DIAM.	0,5 M	1 M	5 M	10 M
10 MM	39 ml	79 ml	393 ml	786 ml
7 MM	19 ml	38 ml	192 ml	385 ml

table A: volume of liquid per length of piping (INTERNATIONAL)

DIAM.	1 FT	10 FT	50 FT	100 FT
3/16"	1/6 oz	1 34 oz	1/2 pt	1 pt
1/4"	1/3 oz	1/4 pt	1 pt	2 pt
5/16"	1/2 oz	14 pt	1 1/2 pt	3 1/4 pt
3/8"	3/4 oz	1/2 pt	2 1/4 pt	1/2 gal
1/2"	1 1/3 oz	3/4 pt	1/2 gal	1 gal

table B: volume of liquid per length of piping (USA)

5. CHECK THE COLOR

After 3 minutes open the faucet and pour the whole inner volume of the dispensing system (approx. 1/4 liters for every 5 m or 1 pint for 40 feet of lines) into a bucket.

COMPARE THE COLORS with the "blank" sample that you took from the fresh solution:
>> YELLOW: lines were heavily polluted

>> GREEN: lines were polluted

Fill the line again with fresh solution and leave for 3 minutes. Repeat this procedure until cleaning solution shows its original color, violet, after 3 minutes!

>> PURPLE: When the solution has the same color as the "blank" sample, the lines are clean and in perfect hygienic condition!

6. FLUSH OFF WITH TAP WATER

Rinse all lines with clean tap water. After the rinsing process, the pH of the tap water has to be under 8.5.

Reconnect KEGs after cleaning process and allow some beverage to run through the faucets to ensure that the whole system is filled with beverage.

7. HYGIENE OF COUPLERS AND FAUCETS

Before starting the cleaning process, all couplers should be disinfected with an adequate disinfectant agent, e.g. 70% alcohol). Both, the faucet and the coupler should be disinfected at every change of the KEGs and at every cleaning process.

Disconnect faucets and put into a solution of TM DESANA MAX for approx. 10 min. After this contact time clean mechanically by means of dedicated brushes.
Rinse off with clean tap water after this operation.

THONHAUSER
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