

## DRAFT TO GO

### WHAT IS PEGAS EVOLUTION

**Pegas Evolution** is designed for fast foam-free dispensing of carbonated beverages (including beer) from pressurized containers (kegs) into plastic bottles with PCO 1810/1881 or BPF necks. Dispensing is based on the counter pressure method.

### DIMENSIONS

Total weight – 850g

Total height – 180mm

Total width – 214mm

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### PACKAGE CONTENT

Dispensing device



Shank



Nuts – 2pc



Nipples with plugs – 2pc



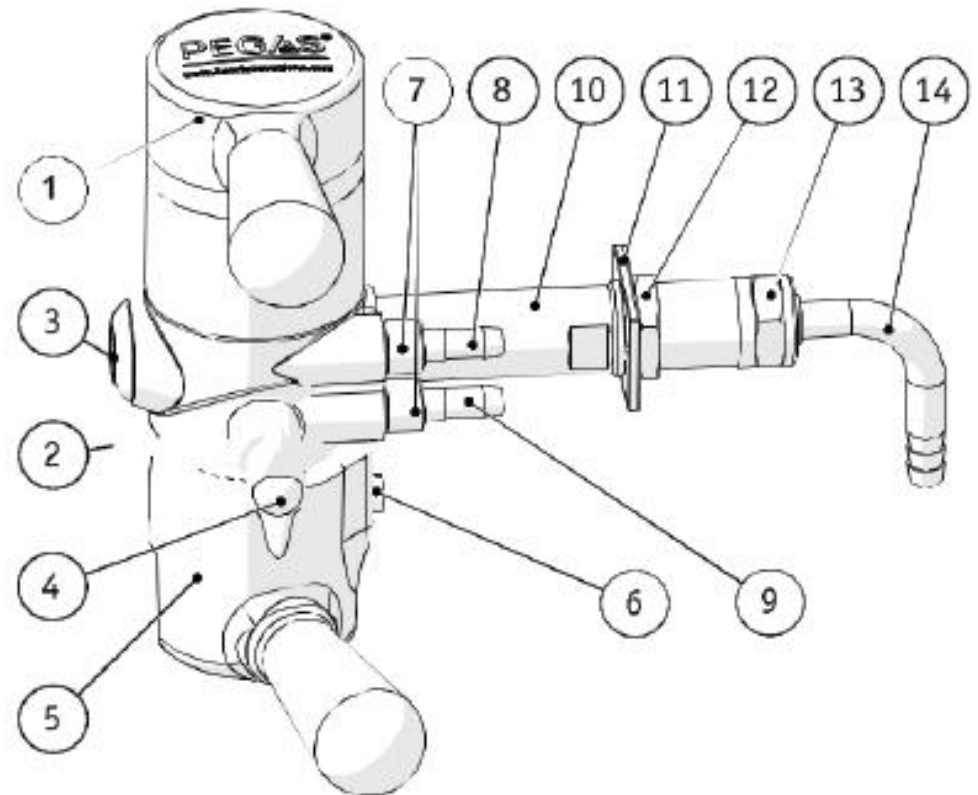
Throttle valve



Plug



- 1 - Switch handle
- 2 - Body
- 3 - Plug
- 4 - Throttle valve
- 5 - Bottle holder
- 6 - Screw
- 7 - Nut
- 8 - CO2 supply nipple
- 9 - Drain nipple
- 10 - Shank
- 11 - Flat washer
- 12 - 5/8" nut
- 13 - Coupling nut
- 14 - Beverage supply nipple

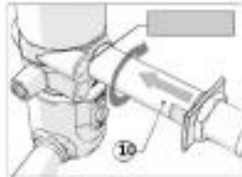


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### ASSEMBLING INSTRUCTIONS

#### Step 1



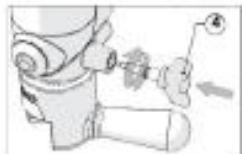
Before installing the shank, make sure the device has a gasket. Using an S19 wrench, screw the shank into the 5/8" threaded hole in the body.

#### Step 2



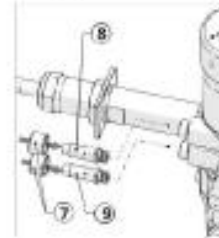
Using an S10 hex wrench, screw the plug into the 5/8" threaded hole or tap for dispensing beer into pint glasses. (Tap not included in contents of package)

#### Step 3

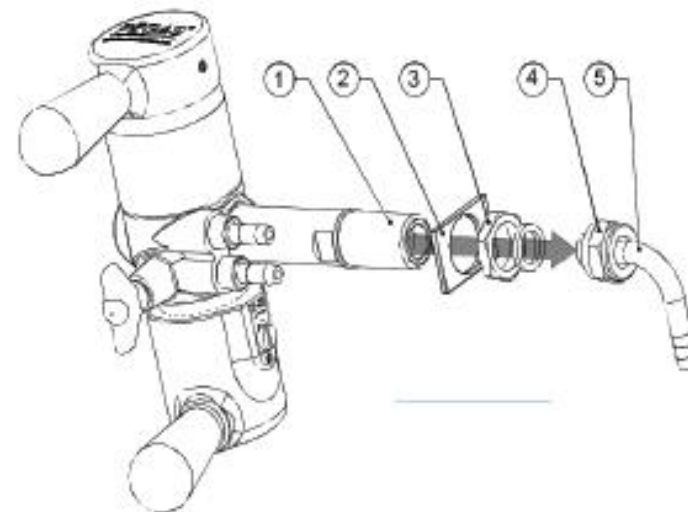


Install the throttle valve

#### Step 4



Insert the CO<sub>2</sub> supply nipple and the drainage nipple into the matching holes on the device. Place the nuts on to the nipples and hand tighten them up to the stop



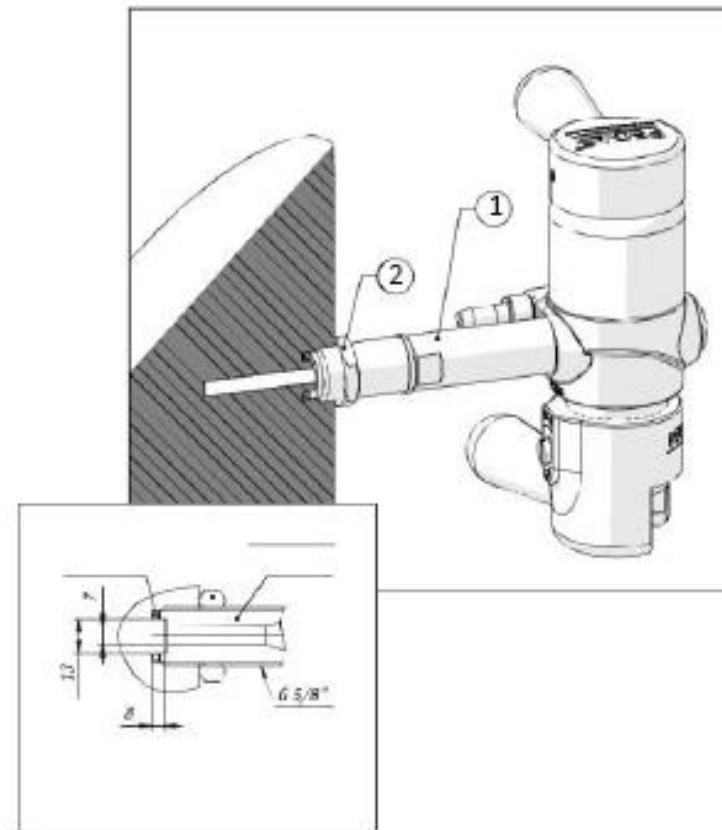
Unscrew the coupling nut (4) from the shank. Remove the beverage supply nipple (5) together with its gasket. Unscrew the 5/8" nut (3) and remove the flat washer (2). The device is now ready for installation.

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## INSTALLATION INTO A CLOSED G 5/8" HOLE – BEER TOWER

1. Place the 5/8" nut onto the shank and tighten.
2. Place a gasket into the screw hole with the dimensions mentioned above.
3. Twist the shank into the hole in such a way that the Pegas Evolution device is in vertical position, and the gasket is pressed down.
4. Tighten the nut using a 27mm wrench. The device is now ready to be used.



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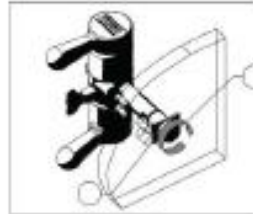
### INSTALLATION INTO A 23MM THROUGH HOLE

#### Step 1



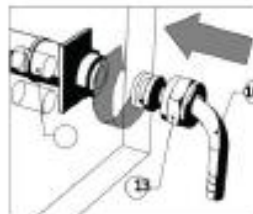
Insert the free end of the shank into the matching hole.

#### Step 2



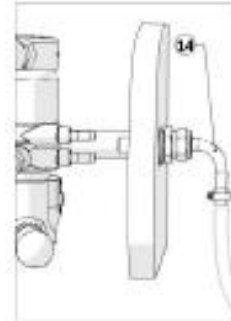
Place the flat washer on to the shank from the inside; tighten the 5/8" nut using an S27 wrench, secure the device in a vertical position with the 5/8" nut.

#### Step 3



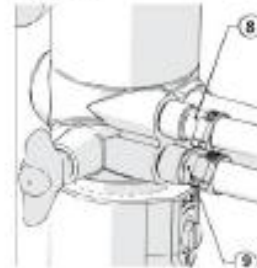
Place the coupling nut on to the nipple and tighten it with an S24 wrench. Ensure that the gasket is properly placed in position.

#### Step 4



Connect the beverage supply hose to the beverage supply nipple. Fix the hose with a pipe clip (not included to the package).

#### Step 5



Connect the CO2 supply hose to the upper nipple. Connect the drainage hose – to the bottom nipple. Fix the hoses with pipe clips.

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## HOW TO CONNECT THE DEVICE

The device should be installed vertically over a table on a hollow-core beer tower with a diameter of at least 90 mm, or over a bar counter with a through hole with a diameter of 23 mm. The recommended distance between the axis of the beer supply shank and the table surface should be at least 450 mm. When two or more devices are installed, the recommended distance between axis of their shank should be at least 150 mm. A drip tray needs to be installed for collecting any spillage.

For connection you will need:

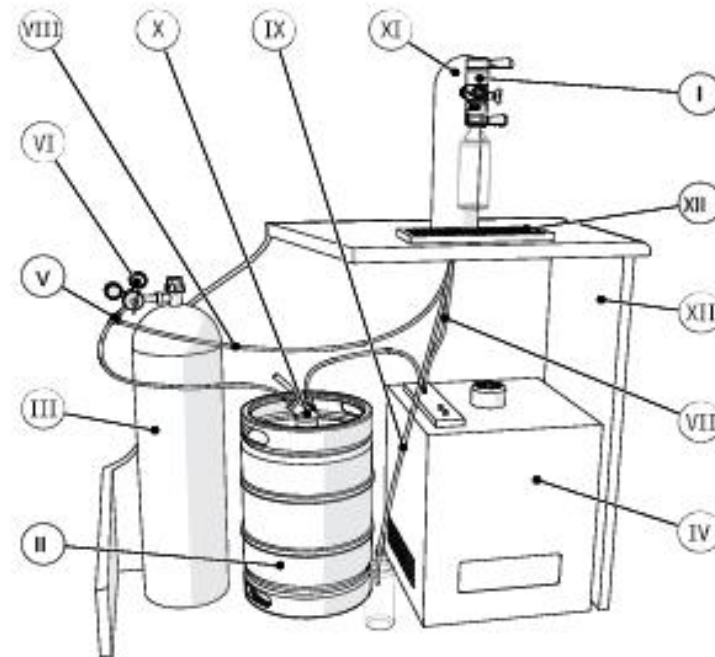
- Beer keg with a coupler
- Gas cylinder with pressure regulator (adjustable to 0.15–0.25 MPa)
- Beer cooler
- Beer supply from the keg and CO<sub>2</sub> supply are provided through PVC hoses (with inner diameter of 7–9mm)
- Pipe clips to secure hoses
- T-fitting

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### HOW TO CONNECT THE DEVICE

1. Supply beer from the keg coupler into the cooler, and from the cooler to the beer supply nipple.
2. Supply gas under a pressure of 0,25-0,3 MPa from the gas cylinder through the T-fitting towards the keg couple and through the hose to the CO2 supply nipple.
3. Close the free ends of the hoses with pipe clips.
4. Connect the hose to the drainage nipple. Put the free end of the hose into the drainage tray.
5. Place the hoses inside the beer tower. To supply the hoses from the device to the beer tower, drill two holes of at least 14 mm diameter in the beer tower, or install the device onto a beer tower with ready-made holes.



I - Pegas Evolution Device, II - Beer Keg, III - CO2 gas cylinder with pressure regulator, IV - Cooler, V - T-fitting, VI - Pressure regulator, VII - Beer supply hose, VIII - CO2 supply hose, IX - Drain hose, X - Keg coupler, XI - Beer tower, XII - Table top, XIII - Drip tray

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## HOW TO USE THE TAP

### Step 1 - Start



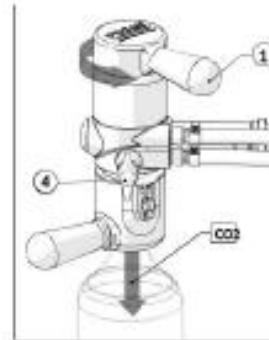
Ensure that the switch handle is in its neutral position; it should be perpendicular to the shank; all supplies are of. The bottle holder is turned to the right until it stops. The throttle valve is closed (turned clock-wise until it stops). Insert a PET bottle into the slot of the bottle holder.

### Step 2 – Secure the bottle



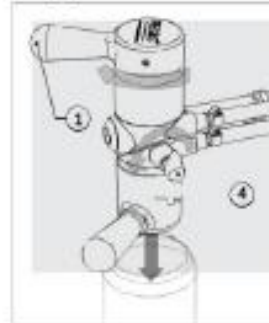
Secure the bottle in the holder. Turn the bottle-holder to the left ensuring that the bottleneck is pressed tightly against the sealing gasket.

### Step 3 – Fill the bottle with CO2



until it stops, this will supply CO2 into the bottle (throttle valve remains closed). The average time for filling a two-litre bottle is 3-5 seconds. Feel the bottle to make sure it's hard. When switching the channels do not lift the handle.

### Step 4 – Fill the bottle with beer



Pull the switch handle to start beverage dispensing. Set the throttle valve to a half-open position. Control the process of filling the bottle by adjusting the throttle valve. If the beverage becomes too foamy – slightly close the throttle valve, if the flow is too slow – open the throttle valve

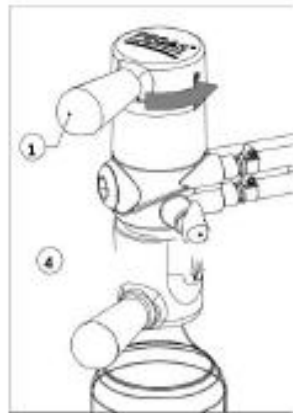
**BEFORE DISPENSING MAKE SURE THE DEVICE IS PROPERLY INSTALLED AND CONNECTED, AND THAT ALL OF THE JOINTS ARE SEALED TIGHTLY**



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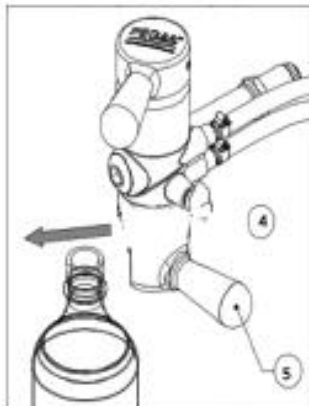
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### Step 5 – Complete dispensing



Once the bottle is filled, return the switch handle to its neutral position and open the throttle valve completely.

### Step 6 – Remove the bottle



Wait for a few seconds until the pressure in the bottle equalizes the atmospheric pressure. Close the throttle valve. Turn the bottle holder to the right and remove the filled bottle from the device. Seal the bottle with a cap immediately.



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### MAINTENANCE

In order to avoid clogging and fouling of device elements, the dispenser should be washed and disinfected regularly.

Weekly disinfection of the device (using Antiformin, Sulfochlorantin, Benzalkonium Chloride disinfectants) and a thorough rinse with water until the full dissolution of the disinfecting agent has been reached is required. It is also required to wash the device in hot and cold water daily. To do so

1. Disconnect the beer keg from the beer supply system
2. Prepare a container for collecting used water/cleaning agent
3. Make sure that the changeover valve handle is in its middle position.

4. Connect the beer dispensing system to the source of water/cleaning agent.
5. Place an empty plastic bottle (preferably of small capacity) into the universal bottle holder; fasten it by turning the bottle holder lever to the left.
6. Open the throttle valve.
7. Pull the switch valve handle until it stops.
8. Make sure to control the rate of fill as it can overflow rapidly. Be prepared to collect any excess solution from the drain hose.
9. In order to stop the supply of water/cleaning agent, turn the switch valve handle to its neutral position.
10. Remove the bottle from the device.
11. Use a clean cloth to remove the remaining water/cleaning agent from the surface of the Pegas Evolution device.

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### IMPORTANT

Containers used for dispensing should correspond to sanitary and hygiene requirements set forward to foodstuffs packaging. Bottles must be clean and bear no visible signs of damage or cracking.

The device requires regular maintenance.

Do not set the device pressure to a position higher than 0.4 MPa.

Regular washing and disinfection as well as a constant monitoring of the sanitary condition of the PEGAS Evolution will ensure a long life span and smooth function of the device.

In case the device needs to be dismantled for winter months, it should be cleaned with washing liquid (alkali), then with antiseptics

and finally washed off with warm water in order to remove any substances from the working channels. This will ensure that having been installed at the beginning of the next season the device will effectively operate again.

Upon expiry of the warranty period, the rings 131044 and 131045 are to be replaced. The rings shall be replaced in the following order:

- Unscrew the screw 131033, take off the washer 131041 and the cam 131035.
- Take off the ring 131045 by pressing the valve on the side of the ring.
- Pull the valve 131043, the spring 131042, o-ring 131044, the washer 131046 from the flow switch.
- Replace the rings 131044 and 131045.
- Assemble the switch in reverse order.

**Follow Sanitary Rules for the Brewing and Beverage Industry when cleaning and using the device.**