

Technical Disclosure Commons

Defensive Publications Series

April 2020

Detachable Faucet

Anonymous

Chris Schmauder

Follow this and additional works at: https://www.tdcommons.org/dpubs_series

Recommended Citation

Anonymous and Schmauder, Chris, "Detachable Faucet", Technical Disclosure Commons, (April 07, 2020)
https://www.tdcommons.org/dpubs_series/3109



This work is licensed under a [Creative Commons Attribution 4.0 License](https://creativecommons.org/licenses/by/4.0/).

This Article is brought to you for free and open access by Technical Disclosure Commons. It has been accepted for inclusion in Defensive Publications Series by an authorized administrator of Technical Disclosure Commons.

Title:

Detachable Faucet

Abstract:

Disclosed is a faucet or plumbing fixture utilizing a quick connection system that allows the faucet or plumbing fixture to quickly connect and disconnect without the use of additional tools. The quick connection system may include seals, check valves, O-rings, or other connection that allows for a fixture to connect to a base, create a seal, and allow for the flow of fluid to occur.

Invention:

Two major consumer pain points of faucets are the installation method and having to clean around them. This invention was created to try to alleviate both of these pain point in order to improve and simplify both processes

New installation method allows for faucet to be quickly removed from installed base in countertop to easily clean or replace faucet unit. Double check valve connections mean that the faucet water supply does not need to be turned off prior to either activity or no water is released when disconnection is made.

The faucet would appear to be a normal faucet from above the counter top. Under the counter the installation process would be modified to allow for a flush mounted installation port where the dual check valves on faucet can be easily inserted. The under counter top portion of the installation is now separate from the above counter faucet componentry. Connections from the water lines to faucet are unchanged versus current. Installation of flush mounted installation port would ideally be secured in a top down fashion.

Check valve technology is used in other industries: air hoses, medical, hydraulics.