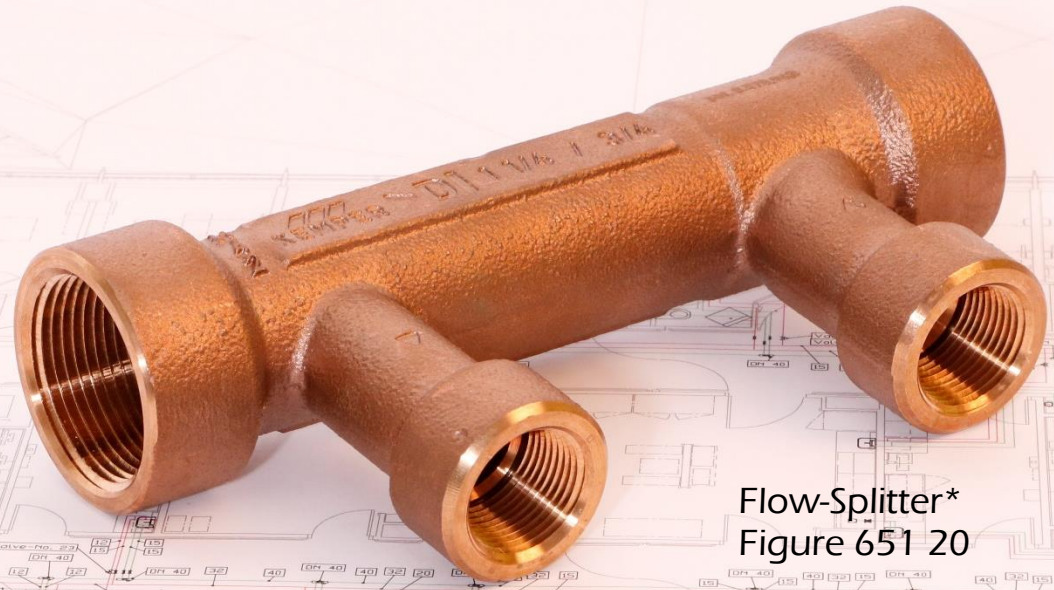
KEMPER
WATER CONTROL SYSTEMS

How to design out the potential growth of biofilm, Legionella and other waterborne bacteria in building potable water systems.

Quite simple...

Use the Kemper Flow-Splitter

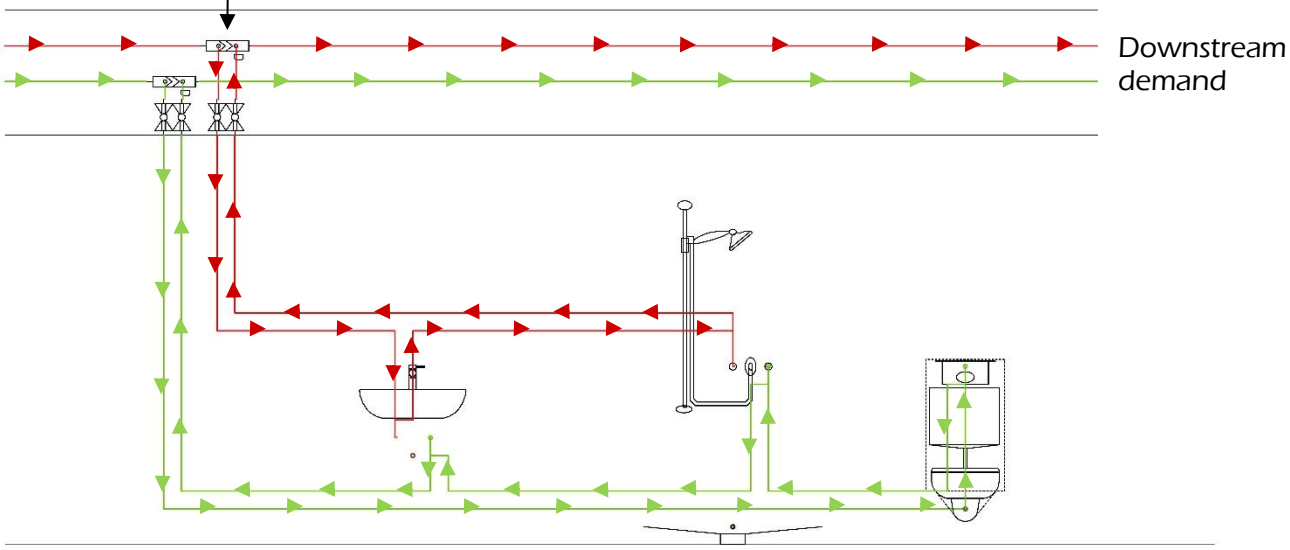


Flow-Splitter*
Figure 651 20

*Also available with ¼ turn stop valves

The Kemper Flow-Splitter with its unique, dynamic Venturi insert gives the designer the ability to route smaller circulation loops (from the primary distribution pipes in the ceiling) to the fixtures below.

This allows for very close connections to be made from the source of the distributed water to the termination of each fixture.



To avoid inefficient and costly measures to eliminate stagnation (such as daily, manual flushing) the piping layout shown above should be considered in the design of hot and cold potable water installations.

When water is demanded downstream of the Flow-Splitter, the Venturi cartridge insert ensures constant circulation within the connected loop which minimizes stagnation and the growth of biofilm and bacteria.

Other advantages include reducing water age and time-to-tap delays as well as increasing disinfectant residuals, energy and cost savings, water conservation and compliance with IECC 404.5.1.