



## **Copper Pipe - Water Velocity Limits**

### **The water velocities in copper pipes should not exceed certain limits to avoid erosion**

The water velocity in copper pipes should be kept within certain limits to avoid erosion, corrosion and excessive noise generation.

- in cold water systems the velocities should not exceed 8 feet per second (2.4 m/s)
- in hot water systems with temperatures below 140°F (60°C) the velocities should not exceed 5 feet per second (1.5 m/s)
- in hot water systems with temperatures above 140°F (60°C) the velocities should not exceed 2 feet per second (0.6 m/s)

Be aware, and take care of, that local velocities in small pipes, bends and similar obstructions can exceed the values above.