

Technical Bulletin 79

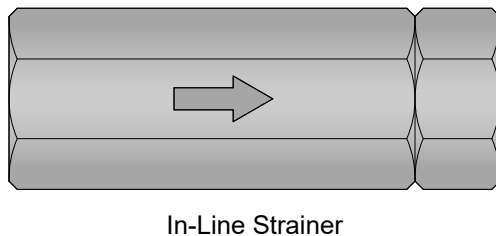
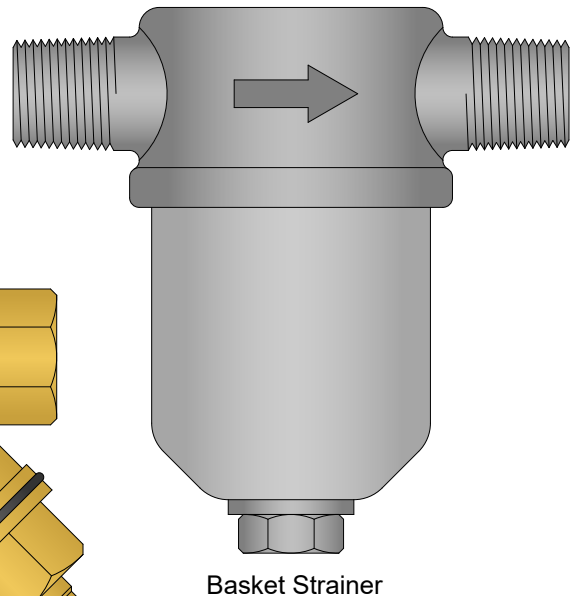
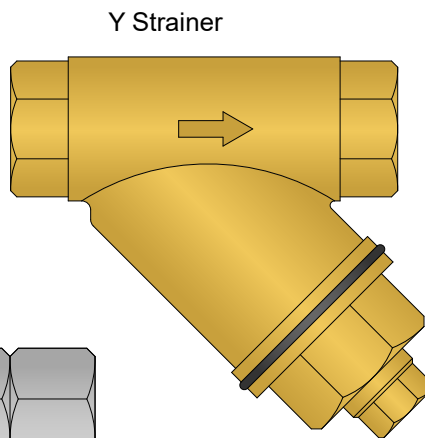
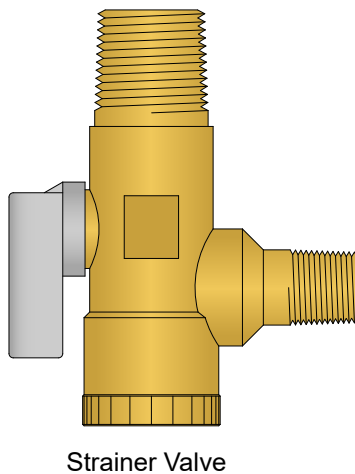
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Strainer Elements for Compressed Air

by Brian S. Elliott

Strainer elements are used to protect delicate components from contaminants that can form and flow downstream within the compression system. The internal components of the typical compression system are made from steel. Over time, the internal surfaces can rust and that rust will generate particulate contamination. This contamination can foul the seals in valves and cylinders. It can also score the internal surfaces of air motors and pneumatic wrenches.

The illustrations below show the most common types of strainers. The strainer valve is specifically designed to protect the seals in automatic drains. The other patterns are general purpose in nature and can be applied in any number of scenarios.



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