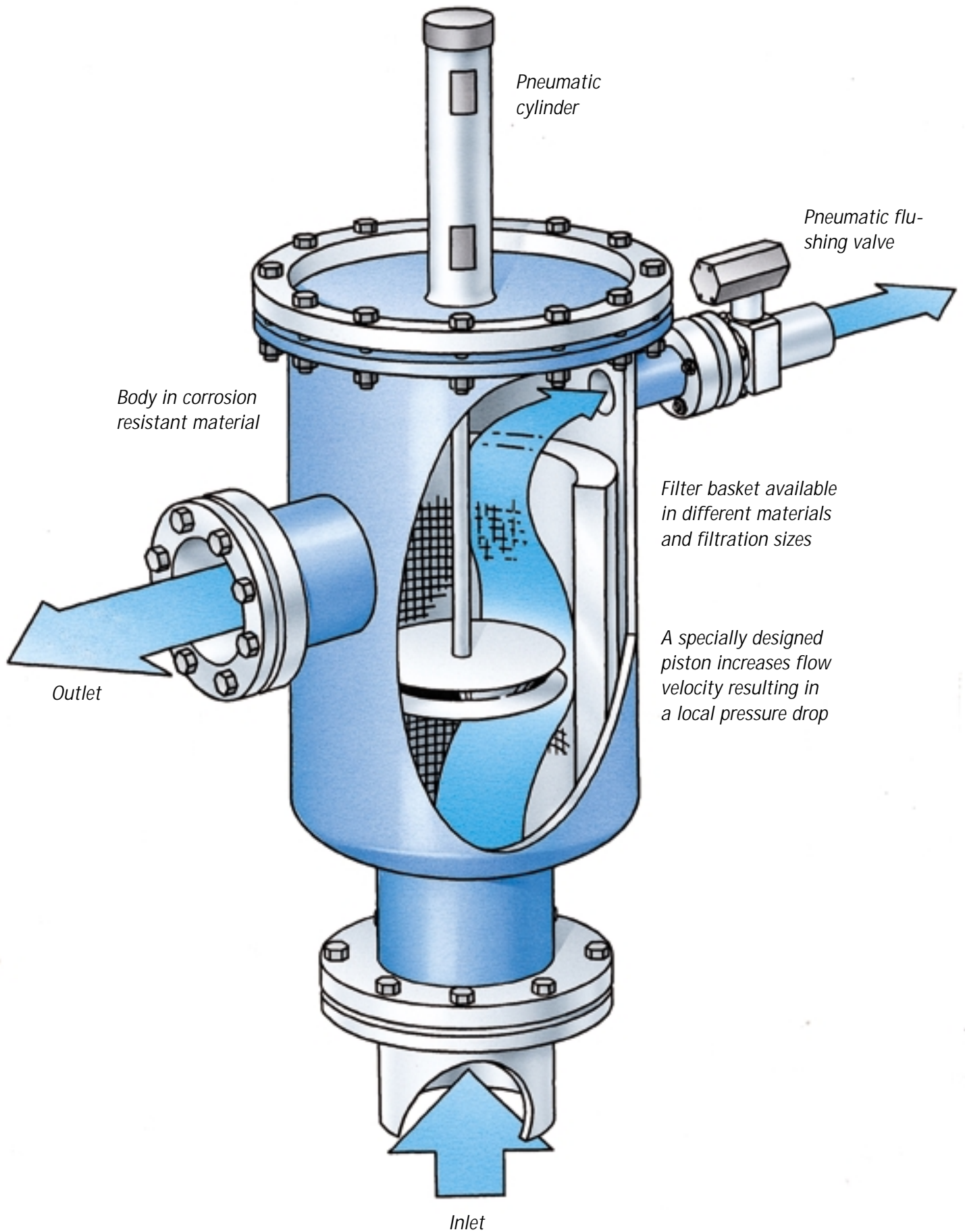





# Bernoulli

Filtration  
with efficiency  
and quality





# Simple, efficient and reliable



Many industrial processes need pure water, free from particles and other impurities. Modern water supplies are often severely polluted and this makes heavy demands on purification and filtration equipment. A good system has to be simple, efficient and reliable. What is more, it has to be able to withstand sea water and resist corrosion. The name of this system is Bernoulli.

## **New filter technology**

The Bernoulli Strainer is an ingenious design for straining water. The strainer works on Bernoulli's principle, the 250-year-old discovery that an increase in the velocity of flow of a liquid gives rise to a drop in pressure. A specially designed piston is introduced into the strainer basket which creates an increase in the velocity of flow between the piston and the wall of the strainer. The resulting drop in pressure, "vacuums" away the particles which have attached themselves to the inside of the basket. The impurities are flushed out through a flushing valve, and problems due to the clogging of the strainer surfaces are avoided.

## **Many advantages**

The design is simple and robust, giving benefits such as increased reliability, ease of maintenance and a high level of operational reliability. Thanks to the right choice of materials and a well-thought-out design, the Bernoulli Strainer offers a long-life solution to corrosion problems, even in salt water systems. Its smooth flow, high capacity characteristics, combined with low flushing losses, make the filter highly efficient, and offer real advantages in process system design.



## A man of principles

Daniel Bernoulli came from a well-known family of scientists in 18th century Europe. He was very versatile in his research and was involved in astronomy, mathematics, botany, medicine and physics. Between 1725 and 1749, Daniel Bernoulli won no less than ten different venerable prizes for his research. In 1738, he made the discovery, Bernoulli's principle, that was to make his name famous down through the centuries.



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