



# Magnetic water treatment

*BLS Magnet has a very wide range of specific magnetic systems catering for water, oil and gas treatment.*

Unlike conventional water treatment solutions, which mostly use chemicals, BLS Magnet's magnetic systems offer an effective and environmentally friendly alternative. By using strong rare earth magnets (Neodymium Iron Boron), the existing scale deposit is thoroughly removed and the magnetic field prevents further scale renewal as well as the development of biofilms.



## ■ Anti-scale

The high intensity magnetic field generated by the permanent magnets changes the crystalline structure of calcite which causes the scale deposit. The calcite molecules are thus transformed into aragonite molecules, about 50 times smaller, which do not aggregate and consequently flow more easily in the water pipes.

## ■ Descaling

The anti-scale process described above facilitates the complete removal of the scale deposits, thereby gradually restoring the flow of water in very congested water pipes.



## ■ Anti-bacterial

The magnetic field allows a significant reduction of the amount of organic molecules, bacteria and algae spores found in water pipes.

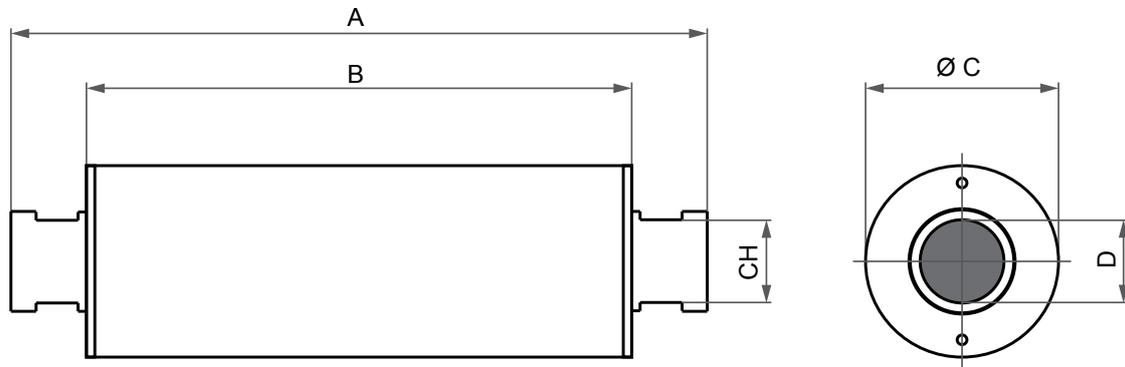


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Version	max out-flow m <sup>3</sup> /h	A	B	C	CH	D	weight kg
3/4"	3,2	285	224	76,1	30	3/4" thread	3,5
1"	4,7	285	224	88,9	42	1" thread	4,5
1"1/2	7,5	394	323	114,3	55	1"1/2 thread	8
2"	10	480	411	139,7	68	2" thread	10,5

**Technical specifications:**

Operating pressure: 10 bar  
 Max temperature: 80° C  
 Material: body AISI 304 - internal chamber AISI 316L  
 Fluid: water



**Most common applications**



■ Swimming pools and spa



■ Cooling towers



■ Agriculture



■ Offices, hotels & hospitals

