

Filters

for low pressure applications



TECHNICAL BROCHURE

Introduction

Thanks to the high filtration capacity of the cartridges and their broad surface, the cartridge filter by Pietro Fiorentini allows separation of both dust and solid particles.

Suitable for use with natural gas, LPG and non-corrosive gases, this device is mainly used for low-pressure gas distribution networks.



Figure 2 Mod. 50000 cartridge filter



Figure 3 Mod. 50000 cartridge filter with clogging indicator



Figure 4 Mod. 10000 gas filter

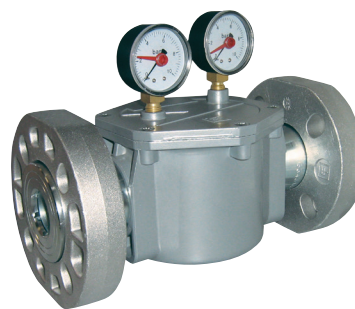


Figure 5 Mod. 10000 gas filter with flanges

Filters competitive advantages



Compact design



Easy maintenance



Low operation cost



Wide range of applications



Mod. 10000

filters

10000 filters are designed to comply with DIN 3386/3840 and EN 12516 standards and can be used for all types of natural gas, LPG or non corrosive gases.

Thanks to their small size, these compact die-cast aluminium filters are suitable for use in wall mounted boilers, hot water heaters and other domestic or light commercial appliances. The large surface area of the cartridge ensures a high degree of separation of both dust and solid particles, minimizing the maintenance required on all equipment installed downstream the filter.

Features

Features	Values
Maximum working pressure	1 MPa 10 barg
Maximum allowable pressure	1 MPa 10 barg
Maximum working temperature	From -20 °C up to +80 °C From -4 °F up to +176 °F
Collecting capacity	Over 12% of total filter capacity with drain on bottom part
Threaded connections	UNI-ISO 228/1
Filter capacity	50 µm

Table 4 Features

Materials

Part	Material
Body	Aluminium alloy EN AB 46100
Covers	Aluminium alloy EN AB 46100
REMARK: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.	

Table 5 Materials

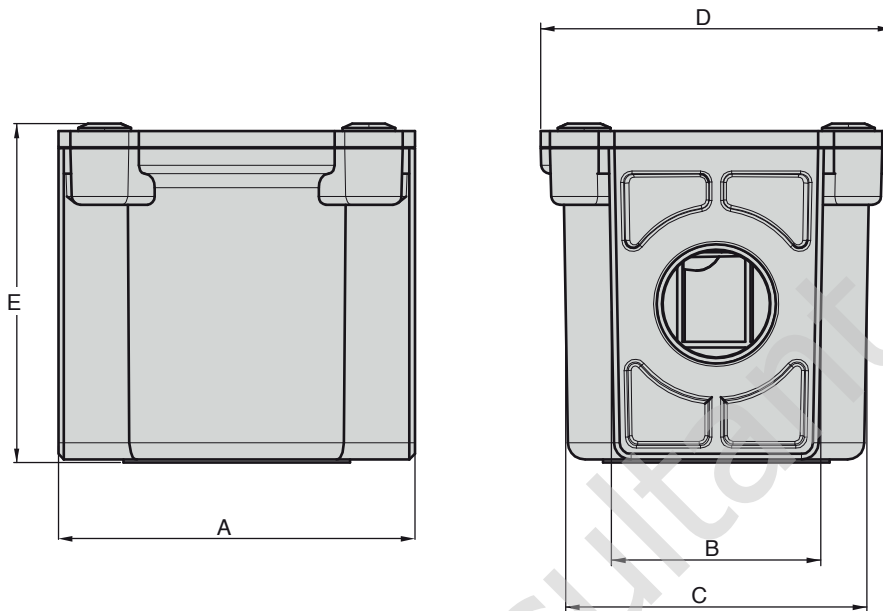


Figure 10 Mod. 10000 filter

Weight and dimensions

Mod.	Connections	A		B		C		D		E		Weight	
		mm	in	mm	in	mm	in	mm	in	mm	in	Kg	Lbs
10003	1/2"	63	2.5	37	1.5	53	2.1	62	2.4	60	2.4	0,25	0.6
10004	3/4"	63	2.5	37	1.5	53	2.1	62	2.4	60	2.4	0,25	0.6

Table 6 Dimensions and weights