



DIRTCAL

**DIRTCAL dirt separator
5462 series**



Function - Features

- enables separating impurities in the medium circulating in heating and air-conditioning systems
- ensures effective removal of the smallest particles with low head losses
- limits clogging of the internal separating element on the contrary to common Y filters
- large chamber for impurities ensuring a low frequency of cleaning, with dirt separation even with the system in operation
- less wear and damage for pumps and balancing valves, less clogging of heat exchangers, heating elements and pipes
- better system heat efficiency

Product range

Code 546205	Dirt separator	size 3/4"
Code 546206	Dirt separator	size 1"
Code 546207	Dirt separator	size 1 1/4"
Code 546208	Dirt separator	size 1 1/2"

Technical specifications

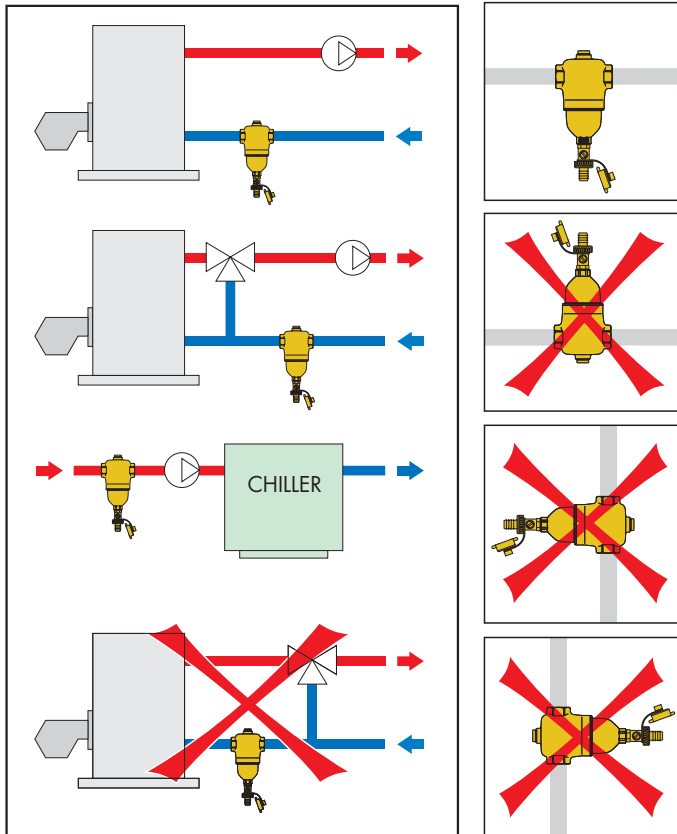
5462 series

Materials:	- body:	brass EN 1982 CB753SI
	- dirt collection chamber:	brass EN 12165 CW617N
	- top plug:	brass EN 12164 CW614N
	- internal element:	PA66G30
	- hydraulic seal:	EPDM
	- drain cock:	brass EN 12165 CW617N
Medium:	water, non hazardous glycol solutions therefore excluded from the guidelines of 67/548/EC directive	
Max percentage of glycol:	50%	
Max working pressure:	10 bar	
Temperature range:	0÷110°C	

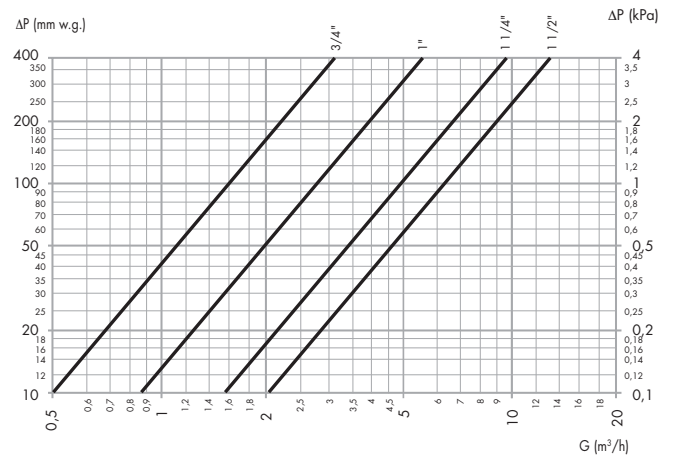
Connections:	- main:	3/4", 1", 1 1/4", 1 1/2" F
	- top:	1/2" F (with plug)
	- drain:	hose connection

Installation

The dirt separator must always be installed vertically, preferably on the return circuit upstream from the water heater. This is to intercept the impurities already present in the circuit, particularly when it is first started, before they reach the boiler.



Hydraulic characteristics



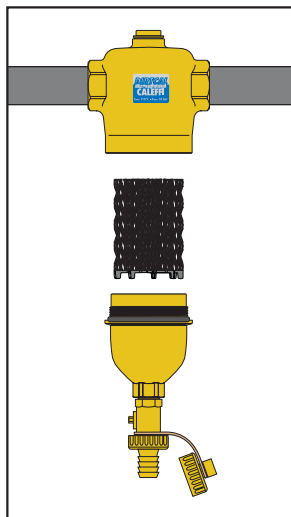
Size	3/4"	1"	1 1/4"	1 1/2"
Kv (m³/h)	16,2	28,1	48,8	63,2
Recommended max flow rates (V=1,2 m/s)				
l/min	22,7	35,18	57,85	90,36
m³/h	1,36	2,11	3,47	5,42

Draining off dirt



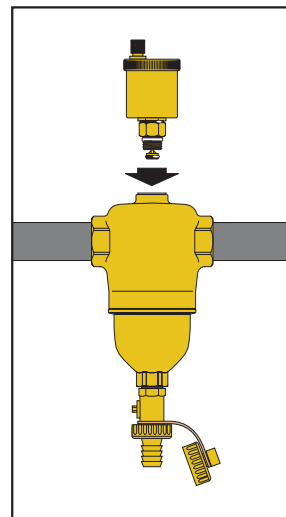
The dirt separator collection chamber is equipped with a shut-off ball cock. Using the special key provided it is possible to drain off impurities even with the system in operation.

Maintenance



To perform maintenance, simply use a 26 mm hexagon wrench to unscrew the dirt collection chamber, to which the inner element is fixed in such a way that it can be removed for cleaning.

Use of top connector



The connector on the top of the dirt separator can be used for optional installation of an automatic air vent valve, Caleffi code 502040 MINICAL.

We reserve the right to change our products and their relevant technical data contained in this publication at any time and without prior notice.