

All-in-one side stream filter for sealed heating and cooling systems



SideFlow Clean 5,0 L



SideFlow Clean 3,5 L

SideFlow Clean

Features and Benefits:

- Side stream filtration for the removal of magnetic and nonmagnetic suspended solids
- Quick and easy to install and maintain
- Simple to mount thanks to integrated wall fastening
- Integrated insulation jacket
- The unit can be mounted for either left hand or right hand applications



A clean installation every time

As a professional, you want to ensure that your heating or cooling system operates at its most efficient level. The benefits to using the SideFlow Clean is that magnetic, and nonmagnetic suspended solids are captured, ensuring optimum efficiency.

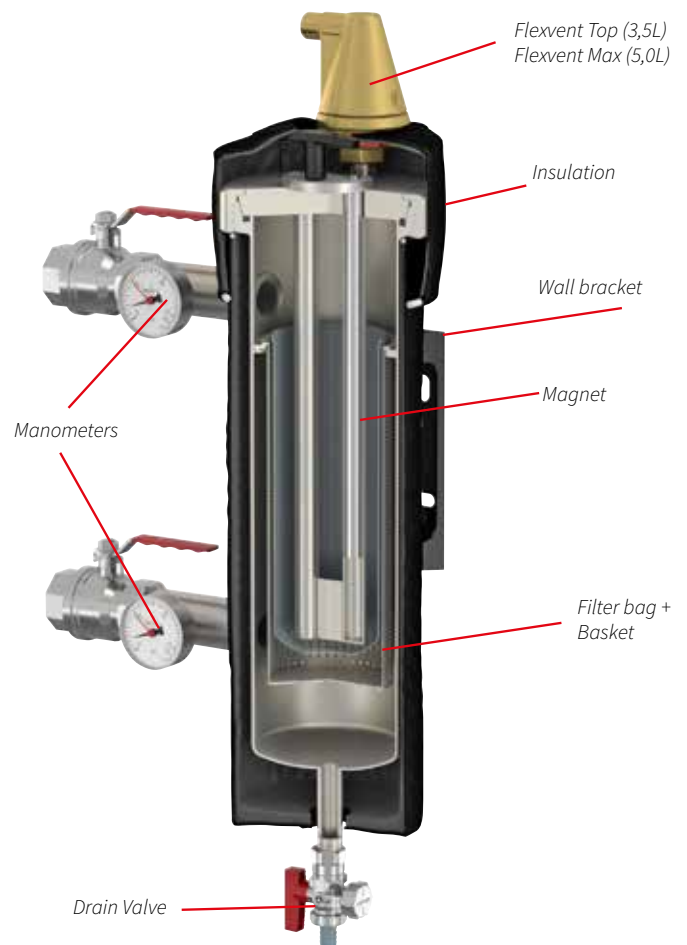
The SideFlow Clean is a partial flow filter for continuous cleaning of the system for central heating and cooling installations. Dirt in the system will reduce the installation's performance and cause wear and tear.

Highly effective filtration

The SideFlow Clean consists of a compact stainless-steel vessel. The magnet holder has one or two fixed magnets inside which produce an optimal magnetic field that is focused inside the vessel and limits unwanted magnetic effects outside it. The magnetic effect is so great that even the smallest magnetic particles are trapped. The vessel has a filter basket for fitting a removable filter bag that can trap solid particles down to 10 microns in size.

Energy-saving thanks to the included insulation jacket

The SideFlow Clean comes fitted with a high-quality insulating jacket as standard that ensures heat losses are minimised, which guarantees optimal energy-efficient operation.



Continuous partial flow

Connecting a SideFlow Clean to an installation ensures that a proportion (10% PICV) of the main flow is filtered, which means dirt and magnetite are captured through a combination of a filter bag and magnetic filtration.

The SideFlow Clean is suitable for installations in many sectors, including industrial and utilities. It has a maximum working pressure of up to 16 bar, and is able to work on systems of up to 120,000 litres / 10 megawatts. Thanks to the ease of fitting, the SideFlow Clean can also be easily retrofitted to existing installations and by using the Flamco T-Plus can even be installed on live systems.

Technical specifications:

		Vessel volume	
		3,5 Litre	5,0 Litre
System pressure min / max:	[bar]	0.2 / 10.0	0.2 / 16.0
System size: Max.	[l]	70,000	120,000
Flowrate - 10% system flow	[l/s]	0.8	1.3
Kvs Value	[m ³ /h]	17	67.2
Flow Through Capacity	[m ³ /h]	2.88	4.68
Fixed magnet bars		1	2
Filter bag volume	[l]	1.4	2.4
Medium		water, plus glycol/dosing solutions	
Glycol max. %	[%]	50	
System temperature min / max:	[° C]	-10 / 100	
v. min / max	[m/s]	0.2 / 3.0	

Highly efficient filtration



Quick and easy to install

Standard features include wall mounting brackets, automatic air vent, drain valve with hose connection and two pressure gauges for differential pressure monitoring.

Easy to clean and maintenance friendly

The SideFlow Clean has an easy access screw-on cap which allows you to easily remove both the magnet holder and the filter bag for cleaning or replacement as well as dosing the system. The SideFlow Clean comes with a 5-year warranty and a starter pack of four filters and is available from your preferred distribution partner.

Article range:

Description	Vessel volume	
	3,5 Litre	5,0 Litre
SideFlow Clean, including: - Filter bag 10 micron (1x) - Filter bag 25 micron (1x) - Filter bag 50 micron (2x) - C-Spanner	17021	17020
Accessories		
Filter bag 10 micron	17036	17031
Filter bag 25 micron	17037	17032
Filter bag 50 micron	17038	17033
C-Spanner	17030	17035



Filter bag

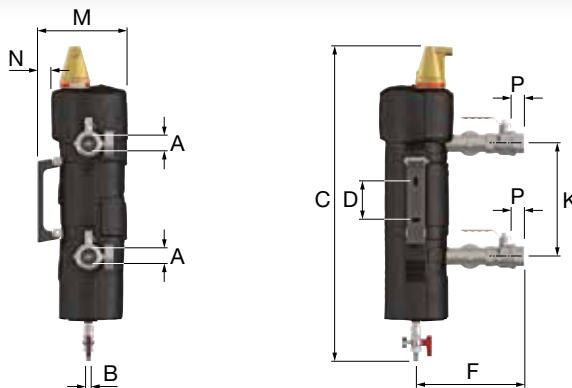


C-Spanner



NexusValve Vivax - Pressure Independent Control Valve (to be ordered separately)

Dimensions:



Type	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	K [mm]	M [mm]	N [mm]	P [mm]
SideFlow Clean 3,5 Litre	G 1/2" F	14,5	728	94	217	275	211	13	15
SideFlow Clean 5,0 Litre	G1 1/4" F	14,5	769	94	264	275	238	10	19

Check our catalogue for more information about SideFlow Clean



Complementary products

For installing the SideFlow Clean even more easily into a central heating and cooling system Flamco can offer you the following

solutions which will significantly shorten installation time and improve the flow through the SideFlow Clean.



T-plus Pipe Branch Fitting

- For the quick and easy creation of branches in existing systems
- With T-plus the system does not need to be depressurised
- Order Code T-plus for steel pipe:
DN15 = 90615
DN20 = 90620
DN40 = 90640
DN50 = 90650
DN65 = 90665
DN80 = 90680



NexusValve Vivax PICV (Pressure Independent Control Valve)

- Automatic volumetric flow limiter (for hot and cold circuits)
- Measurement in Venturi nozzle with fixed Kv value without stabilising sections
- Direct flow rate measurement without entering valve position
- PICV is required to limit the flow through the SideFlow Clean.
- Housing of dezincification resistant brass CW602N
- Order Code NexusValve Vivax:
DN15 S = MN80597.002 (= for SideFlow Clean 3,5 L - 17021)
DN32 H = MN80597.008 (= for SideFlow Clean 5,0 L - 17020)

Other Flamco solutions

Flamco offers a complete range of products from 'source to emitter' which includes a complete range of system conditioning products such as traditional air & dirt separators as well as

products for the mechanical removal of gases using the Vacumat Eco vacuum degassers.



XStream Air- & Dirt Separators



Vacumat Eco Degassing and Top-up Automats



Flexfiller Plus Pressurisation Units

SideFlow Clean
All-in-one side stream filter for sealed cooling and heating systems

www.flamcogroup.com

United Kingdom
Flamco Limited
Washway Lane
St Helens, Merseyside
WA10 6PB

T +44 1744 744 744
E info@flamco.co.uk

United Arab Emirates
Flamco Middle East
PO Box 262636
Jebel Ali
Dubai

T +971 4 881 95 40
E info@flamco-gulf.com

The Netherlands
Flamco B.V.
PO Box 502
3750 GM Bunschoten
Amersfoortseweg 9
3751 LJ Bunschoten
T +31 (0)33 299 75 00
E info@flamco.nl