



## Bộ lọc tự làm sạch KS-137

Bộ lọc HiFlux KS-137 được thiết kế dưới dạng bộ lọc tự làm sạch nhỏ gọn với nhiều ứng dụng. Cấu trúc chắc chắn của lọc giúp nó phù hợp để làm sạch hầu hết tất cả các chất lỏng, bao gồm dầu trẩu, dầu bôi trơn, nhựa đường, dầu mỡ, sữa kem đánh răng, nước, chất lỏng lên men, xăng, xi-rô, nước ngưng, chất lỏng CIP, huyền phù kháng sinh, v.v. .

The filter is used where continuous operation without interruption in the flow is desired. The cleaning process is initiated manually activating the gear motor when the differential pressure has reached a level where cleaning is required. The dirt is compressed in the filter until it is drained away.

The filtration principle is based on an asymmetric edge-gap element, with the dirt particles being retained on the surface of the filter element.

In the cleaning cycle the filter insert rotates, making three fixed blades scrape the dirt off into a sludge chamber from which it is drained out of the filter at appropriate intervals. This results in defined absolute cleaning of the filter and controlled drainage.

As the cleaning process does not require the filter to be blocked off from the rest of the system, the flow in the filter will continue during the scraping process. This means that the filter can work continuously, and that the flow is not interrupted during the cleaning process.

The cleaning process is started when the switch is activated. For some processes it may be that the scraping process is operation continuously to ensure that the filter surface remains active and clean. Drainage of the dirt takes place through the foot valve, which should be opened manually after a given number of scrapings or at suitable intervals. This means the dirt is concentrated before it is pushed out of the filter, which reduces product loss significantly.

Normally drainage is carried out over a period of 1-3 seconds, during which time a minor drop in system pressure may occur. The liquid flow in the filter is only reduced by approximately 5-10% for the short interval in which drainage takes place.

In the design of the filter importance has been attached to making the construction robust and reliable. By limiting the number of moving components, wear and maintenance requirements are minimised. The simple construction makes the filter so easy to service that there is no need for external assistance in this connection.

For other options see also **Auto-line**, **Auto-line R**, **AKS-137** and **MKS-137** filters.

Công suất 25 - 150 m<sup>3</sup>/h

Lọc 50 - 3000 µm

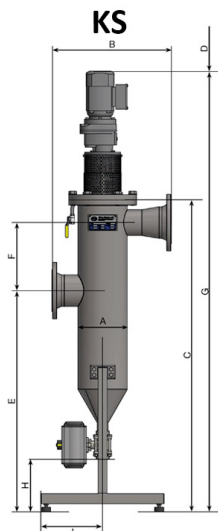
Áp suất 16 bar

Ứng dụng Công nghiệp



# Thông số kỹ thuật sản phẩm bộ lọc tự làm sạch

Bộ lọc tiêu chuẩn HiFlux loại KS được cung cấp bằng thép không gỉ chống axit EN



Kiểu	Một mm	Bmm -	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm	Drain DN	Air Vent	Conn. DN	Weight kg
KS-137/80	219,1	450	1270	760	860	300	1840	250	157,5	250	50/80	G1/4B	80	113
KS-137/100	219,1	450	1270	760	860	300	1840	250	157,5	250	50/80	G1/4B	100	115
KS-137/125	219,1	450	1270	800	860	275	1840	250	157,5	250	50/80	G1/4B	125	120

Design pressure:	16 bar
Test pressure:	According to EN 13445
Max. differential pressure:	2,5 bar (8 bar)
Max. working temperature:	110° C (water) or according to customer requirements
Power supply:	3 x 230/400V, 50 Hz
Flange connection:	EN 1092-1/11
Filtration:	50-100-130-250-500-1000-2000-3000 micron

The self-cleaning KS edge-gap filter consists of a complete filter with gear motor, motor protection, on/off switch and two manometers for reading the differential pressure.

### Capacity: (at a viscosity of 1 cSt and as a pressure filter)

Differenstryk	KS-137/80 50 - 3000 *	KS -137/100 50-130 *	KS-137/100 250 - 3000 *	KS-137/125 50 *	KS-137/125 100 - 130 *	KS-137/125 250 - 3000 *
0,05	25	30	35	45	50	50
0,10	41	52	63	62	74	74
0,15	55	65	82	85	90	92
0,20	66	85	95	93	100	107
0,30	83	105	120	118	125	132
0,40	97	125	140	138	142	150

\*) Capacity in m<sup>3</sup>/h / micron

The filter should be installed in systems which have a positive pressure of at least 0.1 bar in relation to the surroundings to ensure efficient sludge removal.