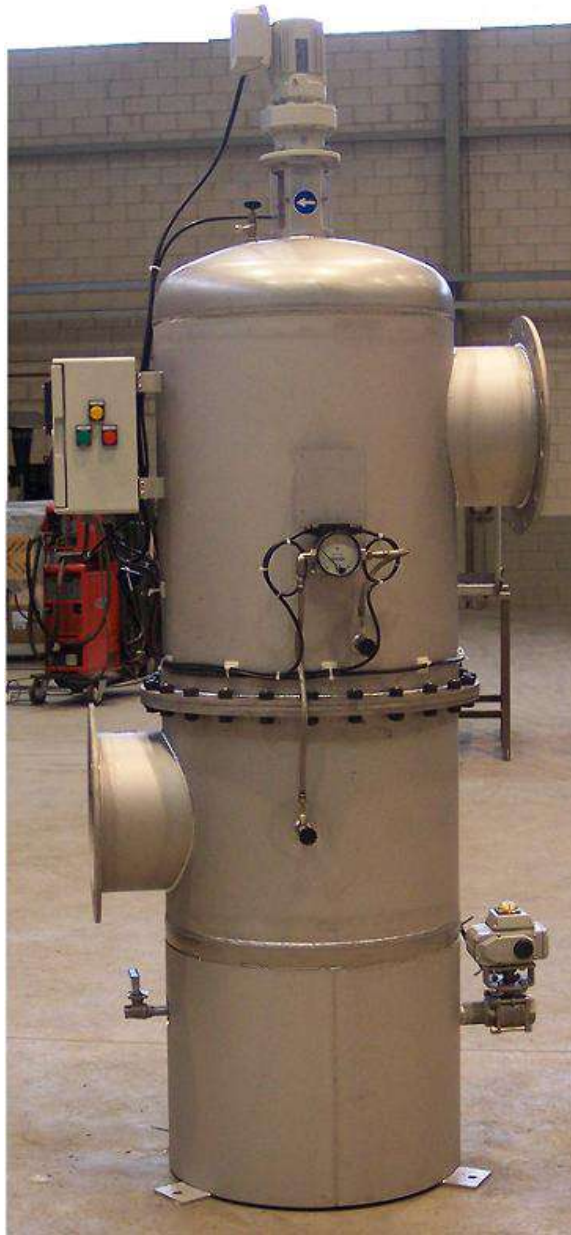


## Self cleaning filters HSC-J Series

Automatic backwashing self-cleaning filters HSC-J Series, these filters use own filtered water for his cleanliness, are given complete, including the control box and wired up electrically.

7 different sizes, with nominal flow rates from 20 to 750 cu.m.hour.

Filtration rating from 50 microns to several mm. in the standard series and from 3 to 40 microns in the classes "HMP" and "HWP"



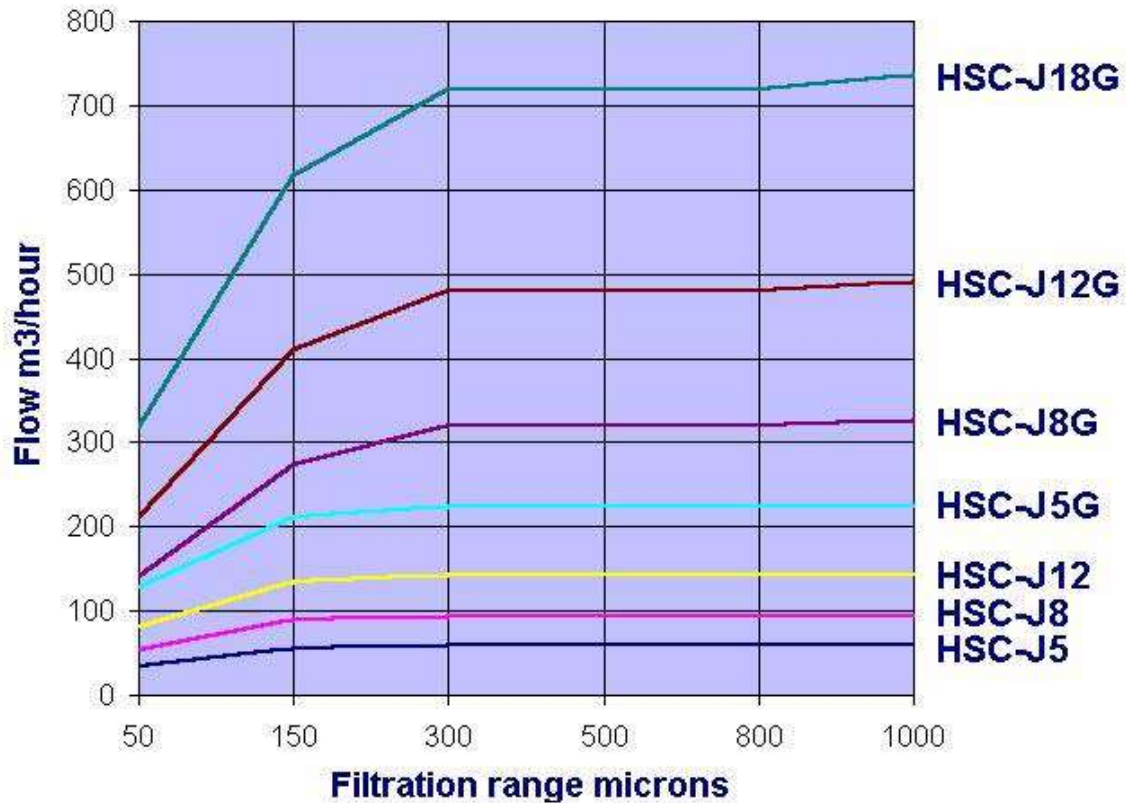
**Filtration experts since 1984**

Data and information is for reference only, and may vary depending on specific application

## Self cleaning filters HSC-J Series

### Flows

**Flow rate HSC-J Self cleaning filters**



Notes: Flow rates data are nominal for 70 mbar initial pressure drop and pollution coefficient of 1.

Is necessary to establish the more adapted flow rate depending on the particular conditions of the process, consult factory in every case. Other filter grades available on request.

For flows with filter elements HMP or HWP (filtration grade from 2 to 40 microns) please consult factory.






<b>General design:</b>	ASME VIII Div. 1 PED97/23EC, options: EN13445, AS1210, PD5500
<b>Design pressure:</b>	6, 10, 16 and 25 bar. Other available on request
<b>Design temperature:</b>	50 ° C. Other available on request up to 180 ° C.
<b>Connections:</b>	DIN flanges, ANSI flanges on request
<b>Electrical feeding:</b>	3 x 400/460 V 50/60 Hz (other available on request)

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## Self cleaning filters HSC-J Series

### Standard executions:

<b>W Class</b>	All in SS 316 L
<b>D Class</b>	All in Duplex Steel, diverse internals are in Titanium.
<b>S Class</b>	All in Super Duplex Steel, diverse internals are in Titanium.
<b>Special executions:</b>	For applications with aggressive fluids, these filters can be made in several materials and special alloys including Titanium, enquire for each
<b>Gaskets:</b>	EPDM, also is possible another materials: Viton, Neoprene and more.
<b>Motor gear reducer:</b>	Motor power 0,12 kw. Protection IP 65, isolation Class F, temp class B. Hermetic execution, refrigeration by natural convection, without fan. Planetary gear reducer lubricated for life, life estimated 25 years.
<b>Differential pressure gauge:</b>	 <p>Wetted parts in SS 316 for W Class, in Monel for D &amp; S Class. IP 65. Range 0 to 1 bar, 2 independent adjustable reed switches. Maximum service pressure 400 bar. Piston type with magnetic coupling, the dial indicator and the switches are not in contact with the fluid.</p>
<b>Control box:</b>	 <p>IP 65 protection grade, made in polyester. Logic control with alphanumeric display with service push buttons, emergency push button in the outside. All the control system operated at 24 V.</p>
<b>Possition switch:</b>	IP 67 protection grade.
<b>Back flush valve:</b>	Ball valve, made in SS 316 for W Class, in Duplex Steel for D & S Class.
<b>Valve actuator:</b>	 <p>Electric actuator, power 10 W. 24 VCA, IP 67, external manual operation. Body in cast Aluminium epoxy coated. Stainless Steel support and coupling. Ambient temperature from -30 to + 60 ° C. Optional: Pneumatic actuator with solenoid valve and possition switches.</p>
<b>Needle valves:</b>	 <p>For connections to the differential pressure gauge, class 6000 pounds. Made in SS 316 for the W Class filters and in Monel tor the D &amp; S Class filter. Connection for differential pressure measure in flexible stainless steel for the Classes W and in copper or Monel for the Class D and S.</p>
<b>Stamp:</b>	 <p>Pressure Equipment Directive PED 97/23 EC. Safety requirements of the Machines Directive 89/392/EC (and subsequent modifications 91/368/EC, 93/44/EC, 93/68/EC). Low Voltage Directive 73/23/EC. Electromagnetic Compatibility 89/336/EC (and subsequent modification 92/31/EC). By request stamp under Explosion Proof Eex and ATEX.</p>

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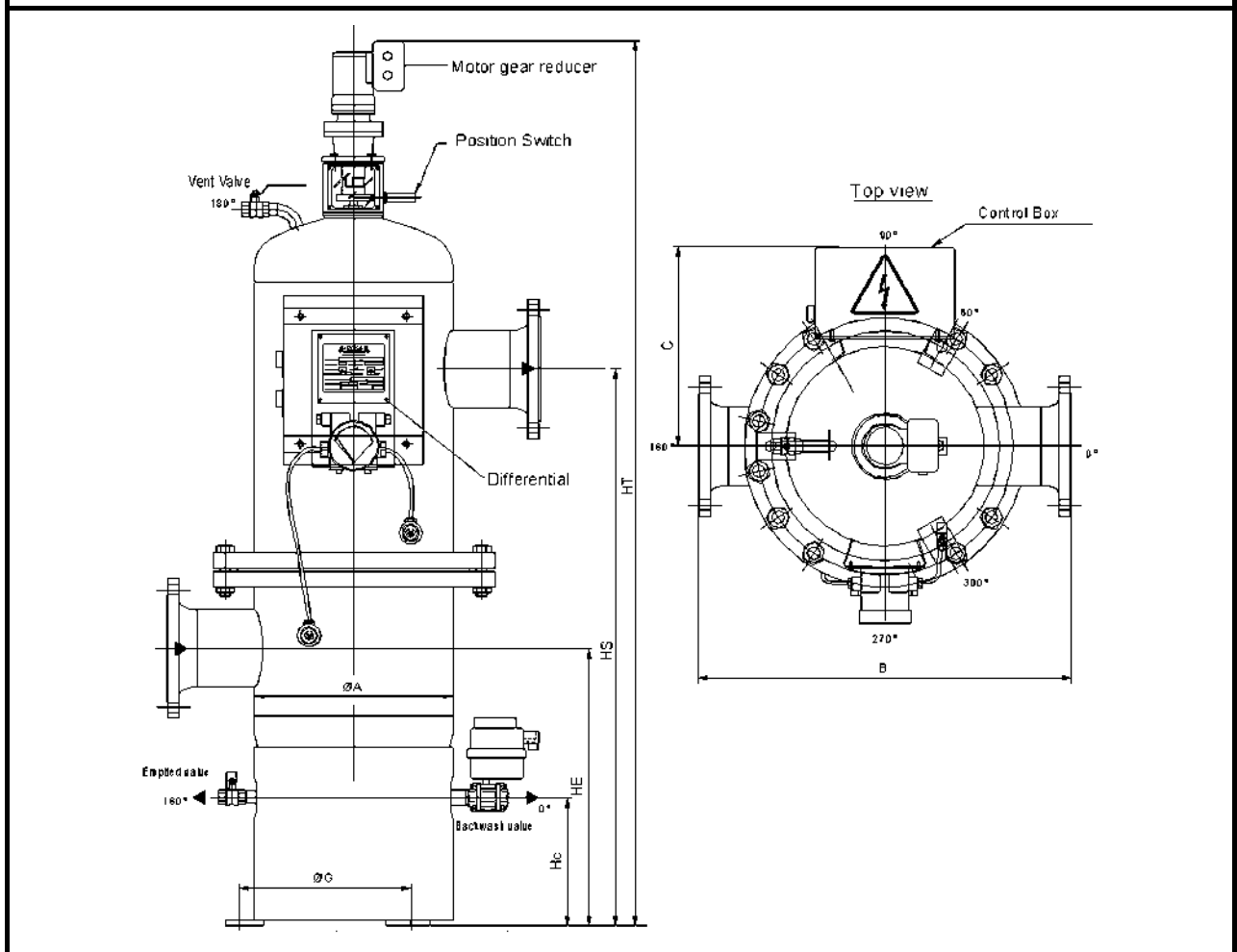
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## Self cleaning filters HSC-J Series

### General dimensions

Filter type	DN connections	Dimensions (mm)							Weight Kg	Volume litres
		Ø A	B	C	HE	HS	HT	Ø G		
HSC – Jx-05	80	220	430	292	400	930	1.568	270	92	31
HSC – Jx-08	100	273	540	347	400	930	1.568	300	98	33
HSC – Jx-12	125	324	600	475	460	980	1.655	350	117	51
HSC – Jx-05G	150	355	610	330	552	1.337	2.080	430	150	120
HSC – Jx-08G	200	406	700	397	600	1.400	2.168	490	170	172
HSC – Jx-12G	250	508	830	452	680	1.470	2.297	590	220	290
HSC – Jx-18G	300	610	930	503	730	1.530	2.375	690	300	430

Note: Weights indicated are marked to 10 bar design pressure, for 6 or 16 bar they will have lightly change.



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