

# Stainless Steel High Pressure



**A comprehensive range of high efficiency, high pressure filters ideal for a wide variety of specialist applications.**

With 21 models and 3 pressure ranges to choose from, our range of stainless steel high pressure filters is comprehensive. The range is precision engineered with high pressure applications in mind.

Manufactured from high grade 316L stainless steel and specially coated carbon steel, the range offers varied flow rate capacities at 50, 100 and 350 barg (725, 1450 and 5000 psig).

## 50, 100 and 350 barg

The 50 barg range incorporates unique push-fit elements which are colour coded for ease of grade identification. The 100 and 350 barg ranges incorporate a high performance stainless steel end capped element.

Walker Filtration are able to offer 25, 5, 1 and 0.01 micron and activated carbon filtration grades to encompass all requirements. The custom engineered filter media is designed to offer high efficiency filtration with minimal pressure drop.

**Low air velocities prevent oil carry-over to guarantee performance.**

This range of housings can also be adapted to operate as water separators.



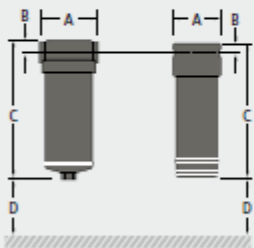
## Envirogen Technologies B.V.

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# Technical Specification

filter model	pipe size	flow rate		dimensions (mm)				weight kg	element model																																																																																																			
		Nm <sup>3</sup> /h	SCFM	A	B	C	D																																																																																																					
<b>50 barg (725 psig) maximum working pressure</b>																																																																																																												
C25 (grade)	1/4	100	60	85	18	170	75	1.7	E50 (grade)																																																																																																			
C37 (grade)	1/2	200	120	85	18	205	100	2.0	E51 (grade)																																																																																																			
C50 (grade)	1/2	340	200	85	18	255	100	2.2	E52 (grade)																																																																																																			
C75 (grade)	3/4	500	300	110	27	270	150	4.0	E715 (grade)																																																																																																			
C101 (grade)	1	1000	600	110	27	420	300	5.0	E730 (grade)																																																																																																			
C150 (grade)	1 1/2	1700	1000	150	45	525	300	15.0	E830 (grade)																																																																																																			
C200 (grade)	2	2040	1200	150	45	525	300	15.0	E830 (grade)																																																																																																			
C201 (grade)**	2	3400	2000	150	45	825	500	21.0	E86 (grade)																																																																																																			
<b>100 barg (1450 psig) maximum working pressure</b>																																																																																																												
100HP24 (grade)	1/4	100	60	65	20	135	70	3.2	HP371 (grade)																																																																																																			
100HP49 (grade)	1/2	315	185	65	20	250	180	5.6	HP381 (grade)																																																																																																			
100HP75 (grade)	3/4	460	270	88	20	275	250	6.1	HP420 (grade)																																																																																																			
100HP100 (grade)	1	680	400	132	26	265	150	10.5	HP710 (grade)																																																																																																			
100HP101 (grade)	1	1200	700	132	26	480	300	14.7	HP730 (grade)																																																																																																			
100HP150 (grade)	1 1/2	1700	1000	150	45	525	300	22.0	HP830 (grade)																																																																																																			
100HP200 (grade)	2	3400	2000	150	45	825	500	28.0	HP860 (grade)																																																																																																			
<b>350 barg (5000 psig) maximum working pressure</b>																																																																																																												
350HP24 (grade)	1/4	48	28	41	10	103	60	1.6	HP261 (grade)																																																																																																			
350HP26 (grade)	1/4	111	67	65	20	135	70	3.2	HP371 (grade)																																																																																																			
350HP50 (grade)	1/2	255	150	88	20	210	150	5.6	HP410 (grade)																																																																																																			
350HP75 (grade)	3/4	510	300	88	25	280	250	6.1	HP420 (grade)																																																																																																			
350HP100 (grade)	1	750	445	150	35	330	200	14.5	HP710 (grade)																																																																																																			
350HP101 (grade)	1	1330	775	150	35	480	300	17.4	HP730 (grade)																																																																																																			
<b>Coalescing filter element grades</b>																																																																																																												
Grade	WS	X25		X5		X1		XA		AC																																																																																																		
Particle removal	-	25 micron		5 micron		1 micron		0.01 micron		0.01 micron																																																																																																		
Maximum oil carryover at 20°C (68°F)	-	10 mg/m <sup>3</sup>	8.2 ppm	5 mg/m <sup>3</sup>	4.1 ppm	0.1 mg/m <sup>3</sup>	0.1 ppm	0.01 mg/m <sup>3</sup>	0.01 ppm	0.003 mg/m <sup>3</sup> / 0.003 ppm																																																																																																		
Maximum temperature	120°C	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	50°C* / 122°F*																																																																																																		
Element end cap colour 50barg	-	black		green		red		blue		black																																																																																																		
Element end cap colour 100 & 350barg	-	stainless steel																																																																																																										
<b>Dust filter element grades</b>																																																																																																												
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<b>technical notes</b>																																																																																																												
1	Direction of air flow is inside to out through filter elements for coalescing grades and outside to in for dust grades.																																																																																																											
2	All high pressure filters are supplied with a drain plug. High pressure drains are available.																																																																																																											
3	Activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ).																																																																																																											
5	Threaded filters are PED 97/23/EC compliant for group 2 gases.																																																																																																											
6	Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America, with the following exceptions: 100HP24, 100HP49, 350HP24 and 350HP26 are NPT.																																																																																																											
7	For NPT connections, add the suffix N e.g. C755X5N.																																																																																																											
8	Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated carbon filter elements should be changed every 6 months / 1000 hours (whichever comes first).																																																																																																											
9	* Recommended operating temperature 25°C (77°F)																																																																																																											
10	** Can not be used for Water Separators																																																																																																											



C25 (grade) to C201 (grade) | 100HP24 (grade) to 350HP101 (grade)

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