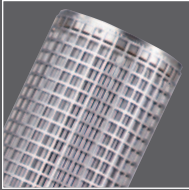
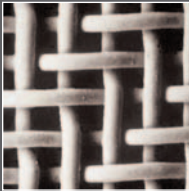


## HIGH FLOW PLEATED STEAM



- 316L stainless steel filter cartridge
- Pleated filtration medium giving a high surface area
- Exceptionally high flow rates
- Available in culinary grade 1 micron
- High dirt holding capacity
- Outer stainless steel support cage for extra strength in reverse direction
- 'Jumbo' filter configuration ensures maximum utilisation of pipework capacity
- Reduced cost/Kg steam compared to sintered product



domnick hunter HIGH FLOW PLEATED STEAM filters are designed specifically for the process industry, where high flow rates, the protection of high efficiency process filters and the provision of steam to a definitive standard is essential.

The 1 micron version of HIGH FLOW PLEATED STEAM is guaranteed to supply steam to 3A 609-01 standard.

## Technical Specifications

### Materials of Construction

Filtration Media	:	316L Stainless Steel
Inner Support Core	:	316L Stainless Steel
Outer Protection Cage	:	316L Stainless Steel
End Caps	:	316L Stainless Steel
o-rings	:	EPDM rubber (standard) silicone and viton options available

### Effective Filtration Area

0.15 m<sup>2</sup> (1.62 ft<sup>2</sup>) per 250 mm (10" module).

### Design Pressure and Temperature

Single	:	16 barg @ 200°C (392°F)
Jumbo	:	7 barg @ 170.5°C (339°F)

### Recommended Operating Conditions

The maximum differential pressure in direction of flow (outside to in) is 10 bar (145 psi). The maximum differential pressure in direction of flow (in to outside) is 2 bar (29 psi)

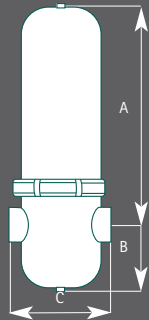
The maximum recommended continuous operating temperature range is -75°C (-103°F) to +200°C (392°F).

Note: Temperature dependant on o-ring compound

### Housing Materials of Construction

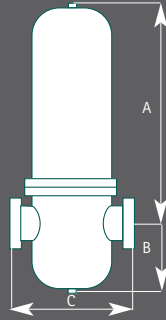
Material	:	316L Stainless Steel
Surface Finish	:	
Single Internal	:	Electropolished Ra 0.8
Single External	:	Mechanical Polish (commercial bright)
Jumbo Internal	:	Upstream - Beadblast Outlet assembly - Finished 180 grit
Jumbo External	:	Beadblast
Vent/Drain Single	:	1/4" BSPP female thread
Vent/Drain Jumbo Multi	:	3/4" BSPP female thread
Seal Material	:	EPDM aseptic seal

VBACE Housing



For more information, please turn to page 94

VISCE Housing



For more information, please turn to page 104

Fig.	Housing Code	Connection size (inch)	Capacity Kg/hr @ 1 barg <100mbar or 40m/sec	Dimensions (mm)			Replacement Filter Code
				A	B	C	
1	VBACE-11A	1	62	312	75	188	ZCHSA...T
1	VBACE-13K	1½	150	355	98	244	ZCHSK...C
1	VBACE-141	2	280	486	96	233	ZCHS1...C
2	VISCE-01J-D	3	750	580	140	300	ZCHS-J...3
2	VISCE-01J-E	4	1300	680	160	330	ZCHS-J...4
2	VISCE-03J-G	6	2300	690	276	515	3 x ZCHS-J...3
2	VISCE-03J-H	8	3750	843	320	725	3 x ZCHS-J...4

Note: For efficient steam distribution it is recommended that steam velocities are restricted to 25m/sec<sup>-1</sup>

**Correction Factors**

To use the table above, the steam flow rates must be at 1 barg. For system flows at different line pressures, divide the system flow by the correction factor below to find the equivalent flow @ 1 barg.

Steam Pressure	0	1	2	3	4	5	6	7	8	9	10
Correction Factor	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5

Table showing the relative system size difference between pleated cartridges left and sintered cartridges right

VBACE-11A-BE 1" Inlet/Outlet Mass Flow 62 Kg/hr @ 1 barg	VBACE-141-BE 2" Inlet/Outlet Mass Flow 280 Kg/hr @ 1 barg	VISCE-01J-D 3" Inlet/Outlet Mass Flow 780 Kg/hr @ 1 barg	VISCE-01J-E 4" Inlet/Outlet Mass Flow 1300 Kg/hr @ 1 barg

**Cartridges**

ZCHS

Code	Nominal Length (mm)	(inch)
B	65	2.5
A	125	5
K	125	5
1	250	10
2	500	20
J	450	18

Code	Nominal Rating (Steam)
005	5.0
001	1.0 (Culinary)

Code	End Cap
B	DOE
C	BF/226 bayonet
T	TRUESEAL
3	3" JUMBO
4	4" JUMBO



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