

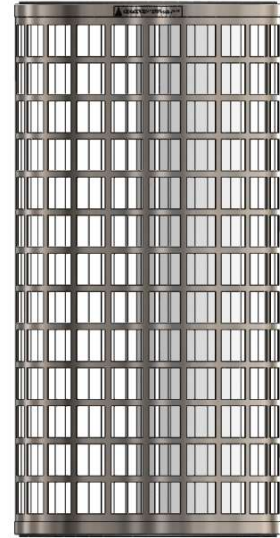


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Data Sheet Number:
SDD/CDG/F12797
 Revision: **07**

PLEATED CARTRIDGE FILTER ELEMENT

- Sizes:** 4" to 16" Nominal Bore (DN100-400)
- Pressure:** 2.0 Bar Max. Safe Working Differential Pressure (MSWDP)
- Features:**
- Internal/External Perf. Steel Shroud
 - Gold Passivated Carbon Steel Protection
 - Pleated Polyester Media as Standard
 - 2µm - 25µm Retentions Available (see table)
 - Optimised Through In-house Testing
 - Identification Tag
- Options:**
- Standard, Premium & Economy
 - Stainless Steel (except economy)
 - Special Gasket Materials Available
 - Other Filter Retentions Upon Request
 - Other Media Available Upon Request



All data is subject to confirmation at the time of order. Our policy is one of continual improvement and we reserve the right to amend details without prior notice.

Size (NB)		STANDARD			PREMIUM			ECONOMY		
		Filter Area (cm ²)	Temp. Range (°C)	Weight (kg)	Filter Area (cm ²)	Temp. Range (°C)	Weight (kg)	Filter Area (cm ²)	Temp. Range (°C)	Weight (kg)
Inch	mm									
4"	100	3 925	-20 to 80	1.0	3 925	1.0	12 260	zero to 80	1.0	
6"	150	9 165		2.5	9 165	3.0	28 905		3.0	
8"	200	16 780		5.0	16 780	6.0	50 535		5.5	
10"	250	29 470		7.5	29 470	9.0	78 300		8.5	
12"	300	52 450		14.0	52 450	17.0	112 110		15.0	
16"	400	110 330		24.0	110 330	29.0	197 880		25.0	

Materials of Construction					
Item	STANDARD		PREMIUM		ECONOMY
	Carbon Steel	Stainless	Carbon Steel	Stainless	Carbon Steel
Perf. Plates	Mild Steel G/P	St. St. 316	Mild Steel G/P	St. St. 316	Mild Steel G/P
End Caps	Mild Steel G/P	St. St. 316	Mild Steel G/P	St. St. 316	Mild Steel G/P
Filter Media	2µm, 5µm, 10µm or 25µm (@ >99%) Polyester Needlefelt		5µm or 10µm (@ >99%) Aramid Needlefelt		5µm or 10µm (@ >99%) Cellulose
End Gaskets	Nitrile		Silicone		Nitrile

- * "G/P" refers to "Gold Passivated" (see chemical compatibility chart for more information)
- * Alternative materials available on request, e.g. Viton gaskets etc.
- * >99% filtration efficiency is based on practical test data with gaseous service
- * 2" & 3"NB units house a 4"NB Cartridge
- * Economy Cartridges not available in Stainless Steel

'POL' denotes Polyester (standard)
 'ARA' denotes Aramid (premium)
 'CEL' denotes Cellulose (economy)

Model Number Derivation: -

The model number can be derived as follows: - **CDG/XXX/F12987/F12797/xxM/*****

Denotes the size i.e. '100' for a 4"

Use this F number for Carbon Steel (G/P) Cartridges

Denotes retention, i.e. add '10' for 10µm

Use this F number for Stainless Steel Cartridges

For more information, visit our Web Site: www.bartonfirtop.co.uk