Contour Gas

Large Diameter Depth Cartridge

Made with Sustainable Polypropylene

Contour Gas melt blown cartridge filters utilise the very latest in high strength fibre production to create a large diameter high flowing element. They are available in core-free configuration as well as single open ended (SOE).

Available in two removal ratings, the filter has been designed for the economic removal of particulate such as 'black powder' from gas transmission lines.

Contour Gas filters can be supplied to retrofit directly into existing systems. If improved maintenance e.g. removal of retained bulk black powder, is required a new design housing and SOE cartridge filter assembly can be provided.

The graded density of the melt blown structure ensures the efficient removal of fine sub-micron particles while also providing an ideal surface for cake formation. This is a critical feature for the very high particulate loadings associated with corroded transmission lines.

Particle removal efficiencies have been verified against the practical engineering standards of the oil majors to ensure continuous outstanding performance in the real world .

Contour Gas fibres are blown continuously onto a central production mandrel, without the need for resin binders or lubricants. This results in a one piece, core-free construction that is resistant to unloading and media shedding. True depth filtration results from the closely controlled manufacturing process and environment, which also ensures a consistent and reliable high quality element.

Black Powder accumulated in gas transmission pipeline. Image courtesy of ROSEN Group

Features and Benefits

- The large format and low pressure drops = lowered installation and operational costs
- Precisely controlled graded density structure = consistent reliable performance
- Wide chemical compatibility with a choice of Nylon 6 and Polypropylene
- Available in fine and coarse grades to match process requirements

Industries and Applications

Petrochemical

- Black Powder removal from gas transmission lines (raw gas/ethane)
- Removal of dessicant fines carried over from drying installations
- Removal of catalyst and active carbon fines
- Coalescer protection

AMAZON

Contour Technical Data

Dimensions

Outside Diameter: 152mm (6")

Core Diameter: 114 mm (4")

Maximum Operating Conditions

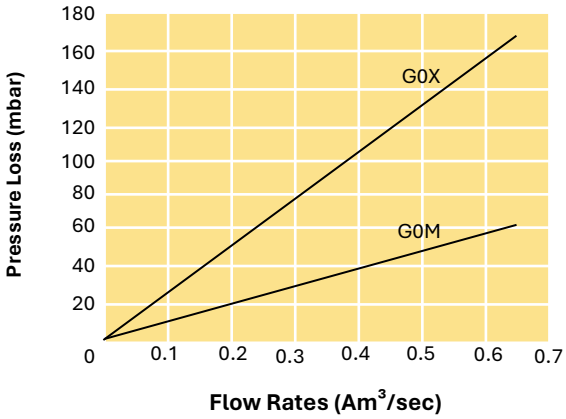
Temperature	14P:	80°C
	14N:	150°C

Maximum Differential Pressure

Maximum ΔP	P Media	N Media
@ 30°C	4.0	4.0
@ 80°C	1	2.0
@ 130°C	N/A	1.0
@ 150°C	N/A	0.5

Product validation guide available on request.

Flow Rates for Air (40" Element)



Efficiency

Contour Gas was challenged in general accordance with BS EN 3328-1 using 0.3 micron particles

Grade G0X: 100% retention

To ensure performance testing is actually relevant to practical applications, the filter medium was also tested at larger particle sizes and varying challenge concentrations.

		Overall % Efficiency (0.2 - 3.0 micron)				Efficiency @ >1 micron	
Particle Challenge Level		Fine G0X Grade		Coarse G0M Grade			
g/M Mscf	mg/m 3	Numeric al	Mass	Numeric al	Mass	Numeric al	Mass
30	1.059	100	100	81.13	98.86	100	100
15	0.53	100	100	81.36	98.99	100	100
2	0.0071	100	100	81.13	99.05	100	100

Ordering Guide

14P	W	G0X-	40	N	N	A
Media	Core/Assembly	Micron Rating	Length	End Caps	Seal	Branding
14P - Polypropylene 14N - Nylon 6	W - Without Core S - Stainless Steel*	G0X - Fine G0M - Coarse	40 - 1013mm 60 - 1520mm	N - None W - SOE*	N - None V - Viton	A - Amazon

Example: 14PWG0X-40NNA = Polypropylene media, no core, 20µm Coarse rating, 1013mm (40") long.
* Stainless steel core only available with SOE variant

New & Retrofit Applications

Competitive Part Codes and Equivalent Contour Gas Codes	
Profile Coreless*1	Amazon Code
EBPSAH	14PWG0X-40NNA
EBPSAH1	14PWG0M-40NNA
EFPSMEF	Contact Amazon Filters
*1 Profile is a registered trademarks of Pall Corporation	

Our engineers can work with you on new applications to design the most appropriate system or we can retrofit existing installations with our technology. Below are the common retrofits available. For availability on additional retrofits, please contact your Amazon Filters representative.

Made with Sustainable Polypropylene

This product is made from a sustainable source of polypropylene.

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