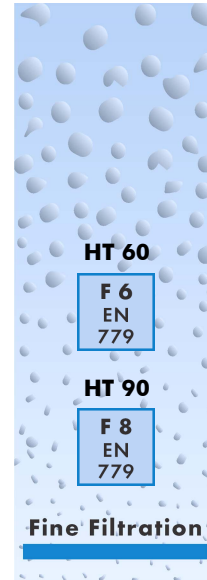


# A high degree of efficient reliability when things get hot: High-Temperature Filters HT 60 and HT 90 Filter Classes F 6 and F 8, overall depth 292 mm



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## Applications

The principal application for the Viledon HT 60 and HT 90 High-Temperature Cassette Filters with an overall depth of 292 mm is air filtration in recirculated-air systems used for paint-drying processes in the automotive industry. The filters **meet particularly stringent requirements for air purity, process reliability and cost-efficiency.**

Besides the applications in surface treatment technology, the filters also meet the toughest of quality stipulations in general drying applications.

## The properties and benefits

- ▶ The filters are available in **two frame versions made of galvanized steel sheet**: the **box variant (Type A)**, and the version **with a flanged-on, 25-mm-thick front frame (Type B)**.
- ▶ Both versions are fitted with **protection grids made of galvanized steel mesh on both sides**, thus ensuring **safe and simple handling**.
- ▶ The filter media used are pleated micro-glass-fiber papers with different fiber finenesses for Filter Classes F 6 and F 8 (EN 779). The corrugated aluminium separators with crimped edges, in conjunction with double-layered filter paper at the pleats, provide maximized mechanical strength. This increases **production dependability for the user**.
- ▶ The filters are fitted with a thermally ultra-stable, abrasion-proof **textile-glass round cord seal**, either on the upstream or downstream side, as a standard feature.
- ▶ They are thermally stable up to **at least 260°C**.

		HT 60 / HT 90		Box form (A)		with front frame (B)	
		1/1	1/2	1/1	1/2	1/1	1/2
Dimensions	mm	610x610	305x610	592x592	287x592		
Overall depth	mm	292					
Weight, approx.	kg	10	6	7	4.5		
Filtering area, approx.	m <sup>2</sup>	12	6	9	4.5		
Thermal stability	°C	260					

▶ Viledon High-Temperature Cassette Filters satisfy the stringent requirements of **Fire Class F 1** to DIN 53 438 and are thus **self-extinguishing**. They are also **highly resistant to solvent vapors and are silicone-free**.

▶ In addition to the standard versions, special variants with different dimensions or frame materials, higher thermal stability or special reinforcement, are available on request.

## The special features

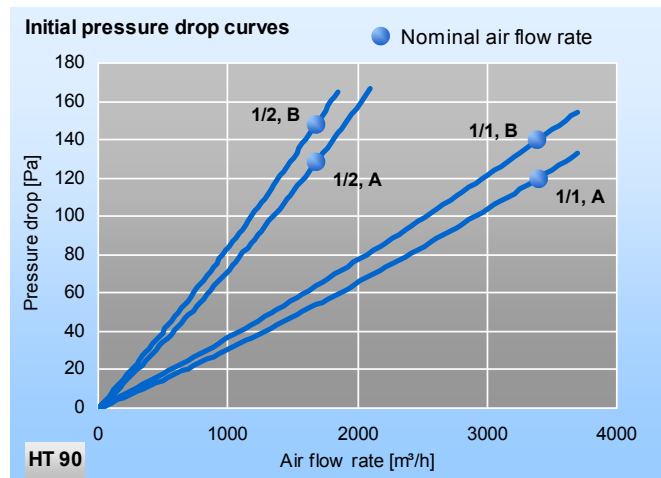
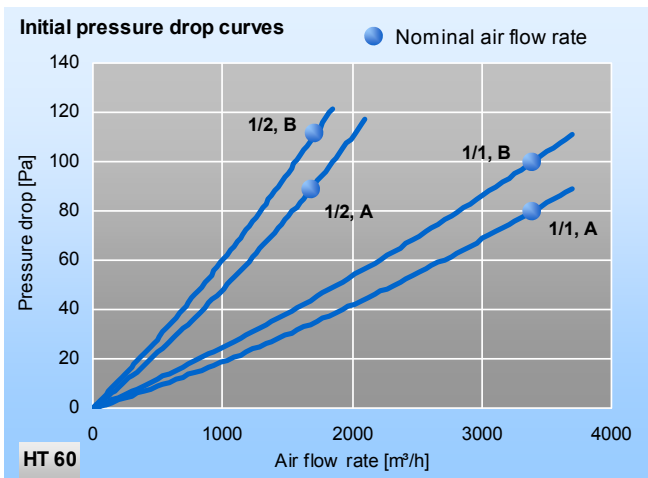
- ▶ Viledon High-Temperature Cassette Filters HT 60 and HT 90 excel in terms of especially high dust holding capacity and very good mechanical sturdiness, even when exposed to inhomogeneous air loadings.
- ▶ Thanks to low filter resistance values, very long useful lifetimes can be achieved coupled with exceptionally cost-efficient operating characteristics.

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## Constructional variants and ordering codes

Filter Class	Frame version	Size	Seal	Designation / Ordering Code
F 6	Box variant galvanized steel sheet	1/1	Clean-air side	HT 60 A 610 x 610 x 292 G 2 M 3 Q 2 F
		1/2	Clean-air side	HT 60 A 305 x 610 x 292 G 2 M 3 Q 2 F
	with front frame galvanized steel sheet	1/1	Raw-air side	HT 60 B 592 x 592 x 292 G 1 M 3 Q 2 F
			Clean-air side	HT 60 B 592 x 592 x 292 G 2 M 3 Q 2 F
		1/2	Raw-air side	HT 60 B 287 x 592 x 292 G 1 M 3 Q 2 F
			Clean-air side	HT 60 B 287 x 592 x 292 G 2 M 3 Q 2 F
F 8	Box variant galvanized steel sheet	1/1	Clean-air side	HT 90 A 610 x 610 x 292 G 2 M 3 Q 2 F
		1/2	Clean-air side	HT 90 A 305 x 610 x 292 G 2 M 3 Q 2 F
	with front frame galvanized steel sheet	1/1	Raw-air side	HT 90 B 592 x 592 x 292 G 1 M 3 Q 2 F
			Clean-air side	HT 90 B 592 x 592 x 292 G 2 M 3 Q 2 F
		1/2	Raw-air side	HT 90 B 287 x 592 x 292 G 1 M 3 Q 2 F
			Clean-air side	HT 90 B 287 x 592 x 292 G 2 M 3 Q 2 F

## Technical filter test data in accordance with EN 779



Key data		HT60 A 1/1	HT90 A 1/1	HT60 B 1/1	HT90 B 1/1
Average arrestance	%	99	>99	99	>99
Average efficiency	%	71	93	71	93
Nominal air flow rate	m <sup>3</sup> /h	3400	3400	3400	3400
Initial pressure drop	Pa	80	120	100	140
Recom. final pressure drop	Pa	300	300	300	300
Dust holding capacity	g	400	300	250	200

The figures given are mean values subject to tolerances due to the normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

Subject to technical alterations.

You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.

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