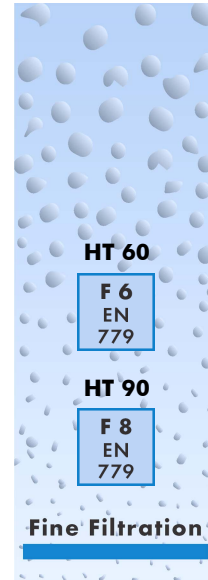
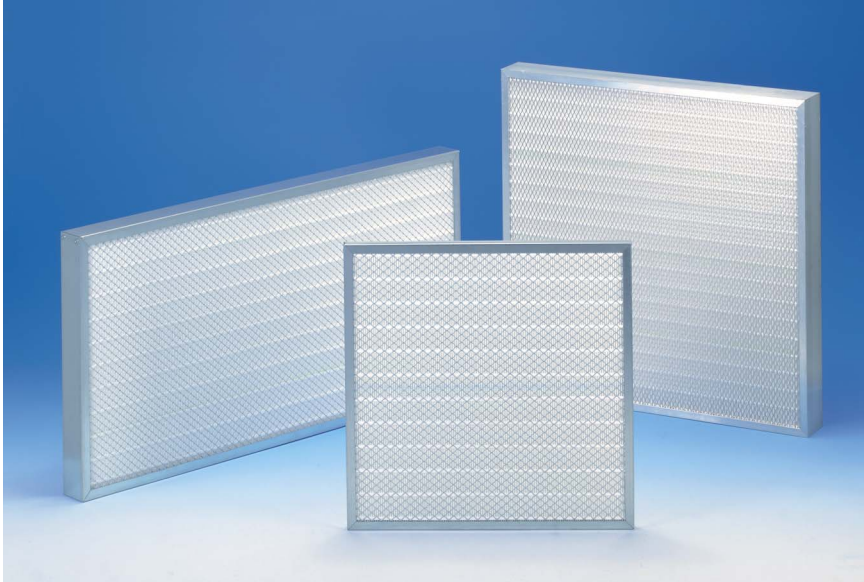


# A high degree of efficient reliability when things get hot: High-Temperature Filters HT 60 and HT 90 Filter Classes F 6 and F 8, overall depths up to 78 mm



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## Applications

The principal application for the Viledon HT 60 and HT 90 High-Temperature Cassette Filters in overall depths up to 78 mm is air filtration for paint dryers in the automotive industry. The filters are mounted in the booth ceilings or in the side channels of the dryer ducts and **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 technology applications. The HT 60 A 480x480 mm (Class F6) type frequently serves as an upgrade for metal-mesh filter packs/cells.

## The properties and benefits

- ▶ The filters are available with frames made of **galvanized steel sheet or of extruded aluminium profiles**, in overall depths of **22, 40, 55 and 78 mm** (see P. 2).
- ▶ All versions are fitted with **protection grids made of metal mesh on both sides**, thus ensuring **safe and simple handling**.
- ▶ The filter media used are mini-pleated micro-glassfiber papers with different fiber finenesses for Filter Classes F6 and F8 (EN 779). Narrow strips of filter paper are used for spacing. A protective insert on the clean-air side further enhances **production dependability in high-stress applications**.
- ▶ 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.

## HT 60 / HT 90

Dimensions	mm	915x457	610x610	490x490	480x480
Overall depth	mm	55 / 78	55 / 78	40	22
Weight, approx.	kg	4.5 – 5.5	3.5 – 5.5	1.5	1.5
Filtering area, e.g.	m <sup>2</sup>	9 / 8	8 / 7	4	2
Thermal stability	°C	260 / 385		260	

- ▶ The thermal stability is at least **260°C** (steel-sheet frames) **or 385°C** (aluminium frames).
- ▶ 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, filtering areas or frame materials, are available on request.

## The special features

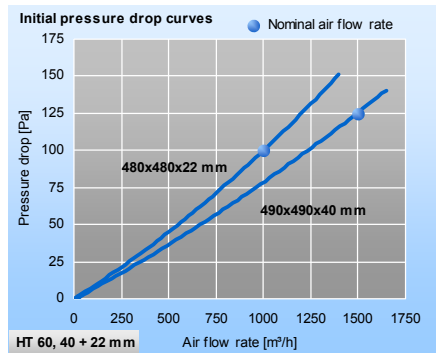
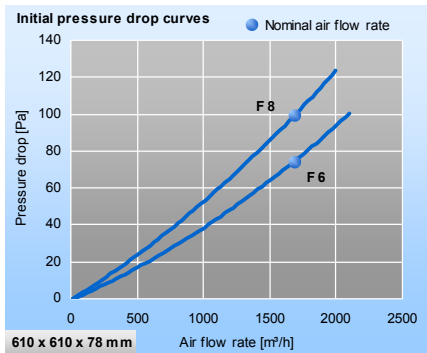
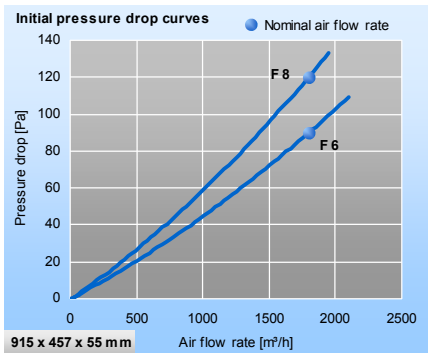
- ▶ Viledon High-Temperature Cassette Filters HT 60 and HT 90 excel in terms of high dust holding capacity and very good mechanical sturdiness, even when exposed to inhomogeneous air loadings.
- ▶ Thanks to low filter resistance values, very long useful lifetimes can be achieved coupled with exceptionally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

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## Constructional variants and ordering codes

Filter Class	Size [mm]	Depth [mm]	Frame material	Seal	Designation / Ordering Code
F 6	915 x 457	55	Aluminium extruded profile	Raw-air side	HT 60 S 915 x 457 x 55 G 1 M 3 P 3 G
				Clean-air side	HT 60 S 915 x 457 x 55 G 2 M 3 P 3 G
		78	Aluminium extruded profile	Raw-air side	HT 60 A 915 x 457 x 55 G 1 M 3 P 2 F
				Clean-air side	HT 60 A 915 x 457 x 55 G 2 M 3 P 2 F
	610 x 610	55	Aluminium extruded profile	Raw-air side	HT 60 S 610 x 610 x 55 G 1 M 3 P 3 G
				Clean-air side	HT 60 S 610 x 610 x 55 G 2 M 3 P 3 G
		78	Aluminium extruded profile	Raw-air side	HT 60 S 610 x 610 x 78 G 1 M 3 P 3 G
				Clean-air side	HT 60 S 610 x 610 x 78 G 2 M 3 P 3 G
	490 x 490	40	Steel sheet, galvanized	Raw-air side	HT 60 A 490 x 490 x 40 G 1 M 3 P 2 F
				Clean-air side	HT 60 A 490 x 490 x 40 G 2 M 3 P 2 F
	480 x 480	22	Steel sheet, galvanized	Raw-air side	HT 60 A 480 x 480 x 22 G 1 M 3 P 2 F
				Clean-air side	HT 60 A 480 x 480 x 22 G 2 M 3 P 2 F
F 8	915 x 457	55	Aluminium extruded profile	Raw-air side	HT 90 S 915 x 457 x 55 G 1 M 3 P 3 G
				Clean-air side	HT 90 S 915 x 457 x 55 G 2 M 3 P 3 G
		78	Aluminium extruded profile	Raw-air side	HT 90 A 915 x 457 x 55 G 1 M 3 P 2 F
				Clean-air side	HT 90 A 915 x 457 x 55 G 2 M 3 P 2 F
	610 x 610	55	Aluminium extruded profile	Raw-air side	HT 90 S 610 x 610 x 55 G 1 M 3 P 3 G
				Clean-air side	HT 90 S 610 x 610 x 55 G 2 M 3 P 3 G
		78	Aluminium extruded profile	Raw-air side	HT 90 S 610 x 610 x 78 G 1 M 3 P 3 G
				Clean-air side	HT 90 S 610 x 610 x 78 G 2 M 3 P 3 G
	480 x 480	22	Steel sheet, galvanized	Raw-air side	HT 90 A 480 x 480 x 22 G 1 M 3 P 2 F
				Clean-air side	HT 90 A 480 x 480 x 22 G 2 M 3 P 2 F

## Technical filter test data in accordance with EN 779



Key data		HT 60		HT 90		HT 60	
		915 x 457 x 55	610 x 610 x 78	490 x 490 x 40	480 x 480 x 22		
Element / Dimensions	mm	915 x 457 x 55	610 x 610 x 78	490 x 490 x 40	480 x 480 x 22		
Average arrestance	%	99	>99	99	>99		
Average efficiency	%	65	93	65	93		
Nominal air flow rate	m³/h	1800	1700	1500	1000		
Initial pressure drop	Pa	90	120	75	100		
Recom. final pressure drop	Pa	300					

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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