

# Engineered Products



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PLASTICS

## voestalpine FLOW FILTER V & X designed for pure performance

Flow filters are used in plastic injection molding, where they prevent contamination from plastic melt with a significantly lowered pressure drop (flow filter V) or combined filter and mixer function (flow filter X).

### YOUR ADDED VALUE

Our additively manufactured filter solutions for the plastic injection molding industry are made from **premium materials by BÖHLER/Uddeholm**. They solve the main industrial problem of huge pressure drop loss on machines typically caused by the use of conventional filter systems. The flow filter X, with additional mixing features, and flow filter V, with best filtration properties, are available in standard sizes but also in tailored dimensions.

The industry confirmed additional improvements such as increased plastic part quality, reduced scrap rate, significantly reduced shear stresses, less masterbatch consumption at colored plastics and high wear and corrosion resistance, thanks to our premium materials.

voestalpine flow filters are not recommended for (glass) fibre reinforced plastics.

### CUSTOMER BENEFITS

- » Long lifetime
- » Easy cleaning
- » Improved part quality
- » Lower maintenance and downtime costs

#### Main Properties

##### flow filter X

Combines filter and mixer in one single component

Reduced masterbatch consumption

##### flow filter V

extremely low pressure drop (up to 65% compared to comb filter)

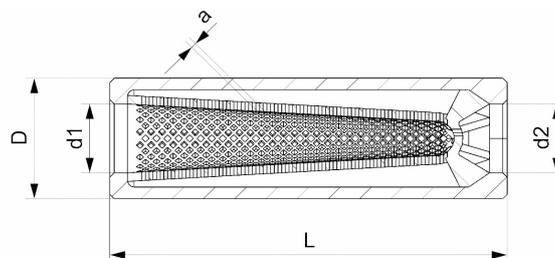
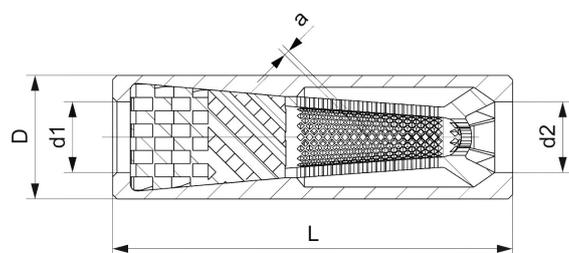
Very low shear stresses



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## DIMENSIONS

	D [mm]	L [mm]	d1 [mm]	d2 [mm]	a [mm]
flow filter X / V 14x45	14 <sup>0</sup> <sub>-0,02</sub>	45 <sup>0</sup> <sub>-0,04</sub>	8	8	0,6
flow filter X / V 20x45	20 <sup>0</sup> <sub>-0,04</sub>	45 <sup>0</sup> <sub>-0,04</sub>	14	14	0,6
flow filter X / V 25x50	25 <sup>0</sup> <sub>-0,05</sub>	50 <sup>0</sup> <sub>-0,04</sub>	19	19	0,6
flow filter X / V	individuell   customized   dimensions spéciales				



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voestalpine

ONE STEP AHEAD.