

TMP, TMPC elements for gas turbines F8-E10

Compact filters

Filtration class according to EN 779:2012, EN 1822:2010
F8, F9, E10

Delivery options

592 (w) × 592 (h) × 300 (d) mm

287 (w) × 592 (h) × 300 (d) mm

490 (w) × 592 (h) × 300 (d) mm

402 (w) × 592 (h) × 300 (d) mm

Possibility of regeneration

no



Filter properties

Compact filter elements TMPC consist of 4V elements sealed on both sides into a plastic frame using polyurethane. The double-sided sealing of the filter pleat makes the filter resistant to dripping condensate and provides a long service life in extreme conditions. The maximally open intake areas, minimum pressure losses and larger areas of the filter medium maximise the dust accumulation capacity. The fully sealed HEPA version of the TMPC filter element has conical cover plates for optimum water outflow. The TMPC ultrafilters meet requirements laid by the youngest generation of ultra-efficient gas turbines that are very sensible to submicron particles. Due to higher demands and higher efficiency levels, these ultrafilters are supplied only in the HEPA version.

Field of application

Gas turbines, plate power units, compressors and airconditioning units in power plants.

Material

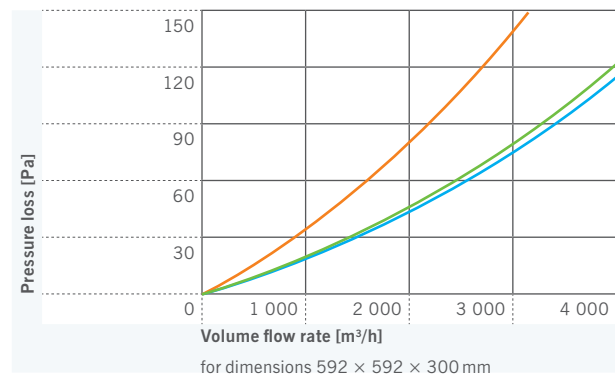
Glass submicr. filter paper, halogen-free recycled polystyrene

Waste disposal

Incineration in appropriate incinerators.

Pressure loss diagram

■ F8 ■ F9 ■ E10



Technical data	Unit of measure	KS TMP		KS TMPC
Filtration class according to EN 779:2012 / EN 1822:2010	–	F8	F9	E10
Mean efficiency level (gravimetric)	%	99	~100	~100
Mean efficiency level (atmospheric)	%	90-95	>95	98
Nominal air flow rate V_R / V_N for a filter element of dimensions 592 × 592 × 300 mm	m³/h	3,400 / 4,250	3,400 / 4,250	3,000 / 3,400
Initial pressure loss at nominal load V_R / V_N	Pa	90 / 130	98 / 140	140
Recommended final pressure loss	Pa	450	450	450
Maximum thermal resistance	°C	≤ 70		