

# KMG series

Gap type filters



## Technical Description

Plate gap-type filters, wire gap-type filters and tube gap-type filters are suitable for the filtration of highly contaminated high and low viscous media such as fuel, lube oils, paints, polyol, isocyanate, cooling lubricants, etc.

They are used in nearly all industrial fields, including:

- Steam engines and hydro-motors
- Pumps
- Hydraulic systems
- Machine tools
- Gearboxes
- Medium to large-sized combustion engines
- Food industry
- Cleaning of water and liquids for chemical processes, etc.

FILTREC gap-type filters can be cleaned during operation without interrupting the flow, are easy to maintain and are characterised by a very long service life.

Gap-type filters are used in full flows and partial flows. The fluid passes through the filter inserts from the outside to the inside. Various gap widths define the filter fineness.



PLATE



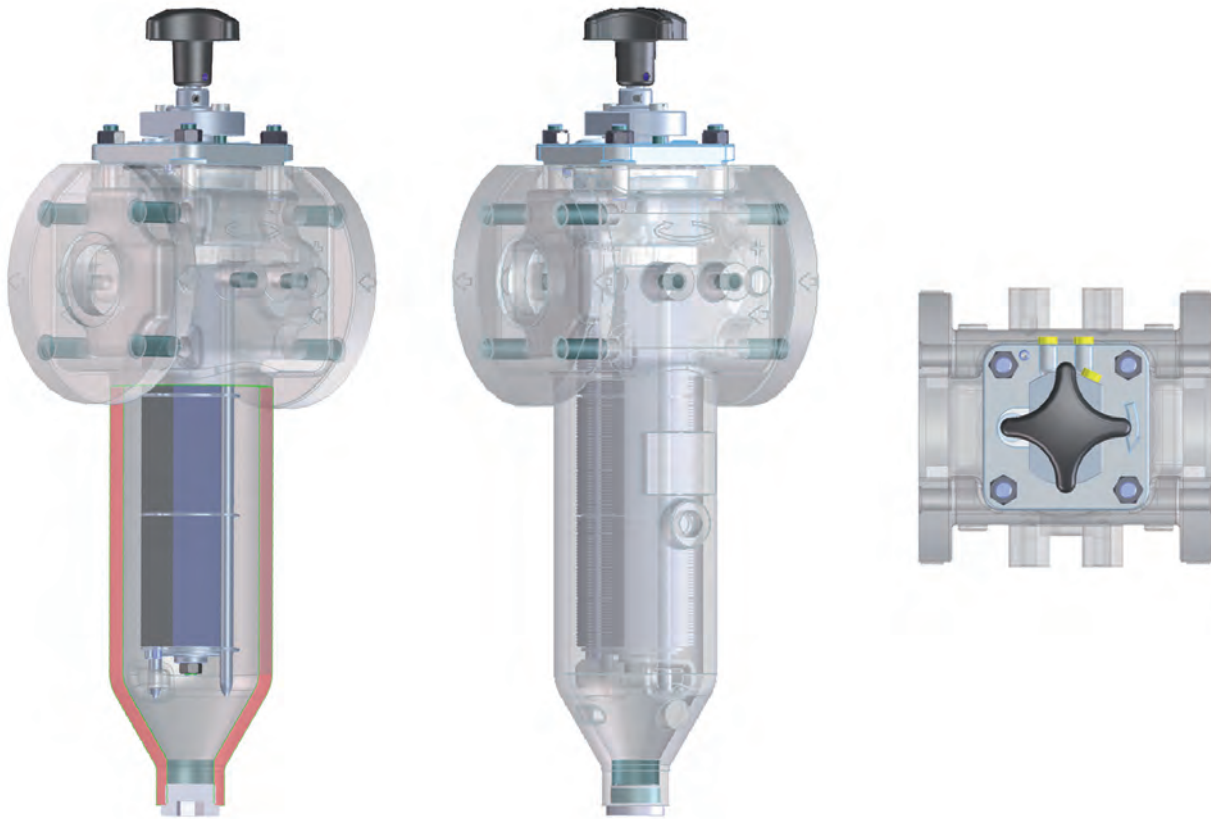
WIRE



TUBE

# PLATE GAP-TYPE KMG-P

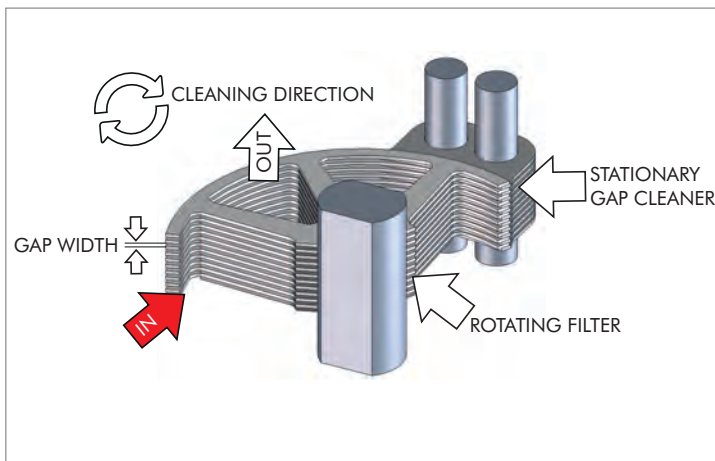
Filters for high viscous liquids



## FEATURES AVAILABLE

CONNECTION PORTS		MATERIAL OF HOUSING		MATERIAL OF FILTER HEAD		CLEANING		GAP WIDTH	
<input type="checkbox"/>	G 1/2"	<input type="checkbox"/>	Grey cast iron	<input type="checkbox"/>	Aluminium	<input type="checkbox"/>	Hand drive	<input type="checkbox"/>	100 µm
<input type="checkbox"/>	G 3/4"	<input type="checkbox"/>	Aluminium	<input type="checkbox"/>	Stainless steel	<input type="checkbox"/>	* Top mounted electric motor	<input type="checkbox"/>	200 µm
<input type="checkbox"/>	G 1"	<input type="checkbox"/>	Stainless steel	<input type="checkbox"/>	Grey cast iron	<input type="checkbox"/>		<input type="checkbox"/>	400 µm
<input type="checkbox"/>	DN50							<input type="checkbox"/>	800 µm

\* Available only from G 1"

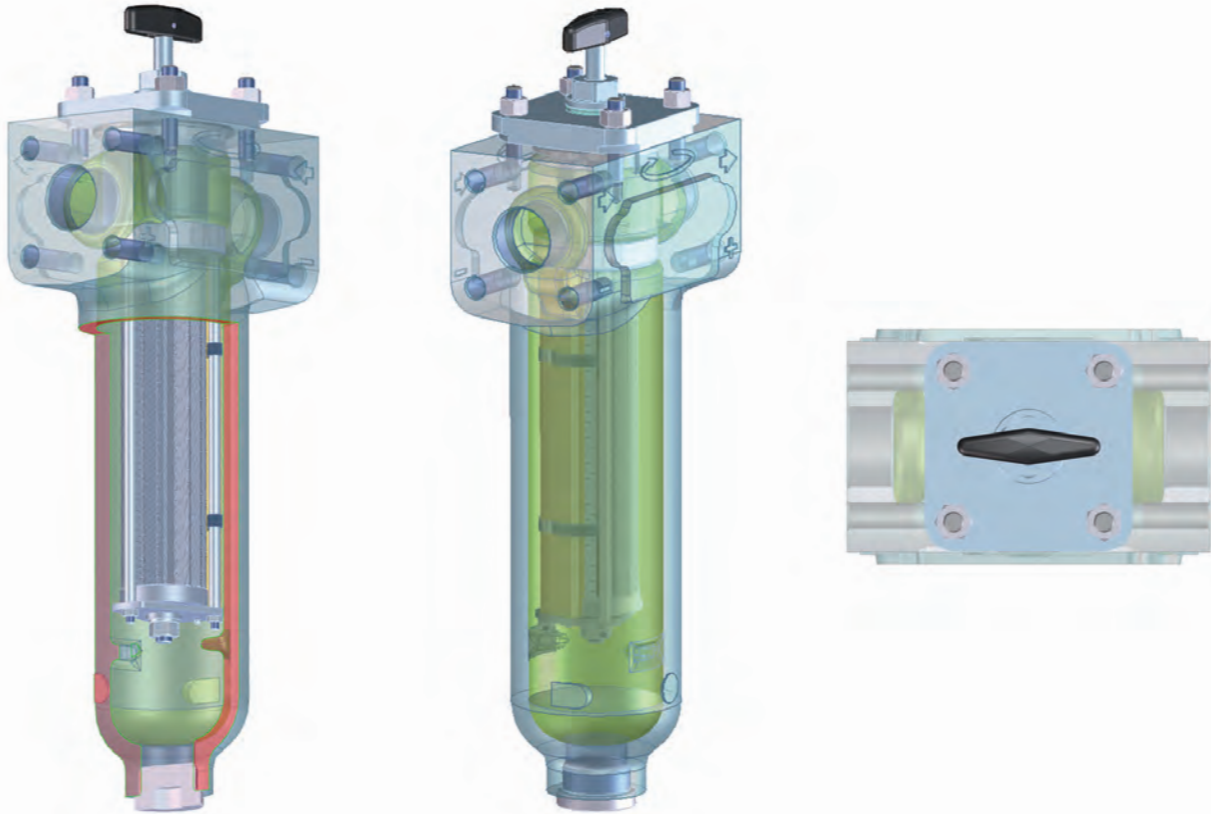


The plate gap-type filter insert consists of ring-shaped steel discs piled up on a central pin. The gap width between the discs is determined by spacers between the discs. A stationary gap cleaner runs through each gap. As the liquid flows between the discs, dirt particles in the liquid are deposited on the surfaces of the gaps. When the handle of the filter insert is turned the dirt particles gather on the row of gap cleaners and sink to the sludge collection chamber where the sludge is discharged by opening a ball valve.

•MAX OPERATING PRESSURE: 40 bar

# WIRE GAP-TYPE KMG-W

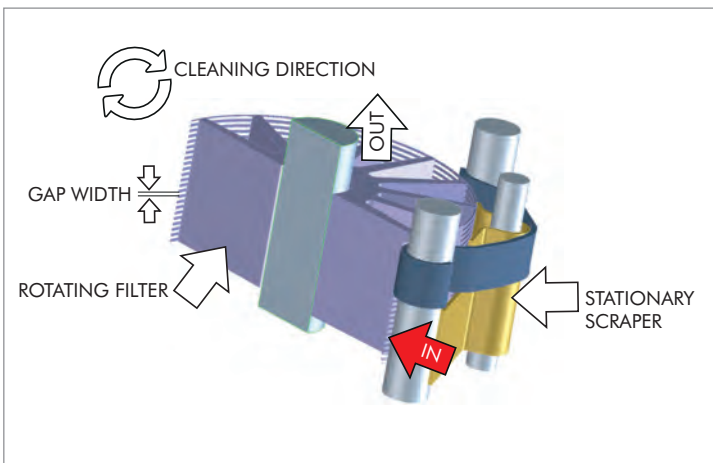
Filters for fuels and lubricants



## FEATURES AVAILABLE

CONNECTION PORTS		MATERIAL OF HOUSING		MATERIAL OF FILTER HEAD		CLEANING		GAP WIDTH	
<input type="checkbox"/>	G 3/4"	<input type="checkbox"/>	Grey cast iron	<input type="checkbox"/>	Grey cast iron	<input type="checkbox"/>	Hand drive	<input type="checkbox"/>	30 μm
<input type="checkbox"/>	G 1"	<input type="checkbox"/>	Aluminium	<input type="checkbox"/>	Aluminium	<input type="checkbox"/>	* Top mounted electric motor	<input type="checkbox"/>	50 μm
<input type="checkbox"/>	G 2"							<input type="checkbox"/>	75 μm
								<input type="checkbox"/>	100 μm
								<input type="checkbox"/>	200 μm

\* Available only from G 1"

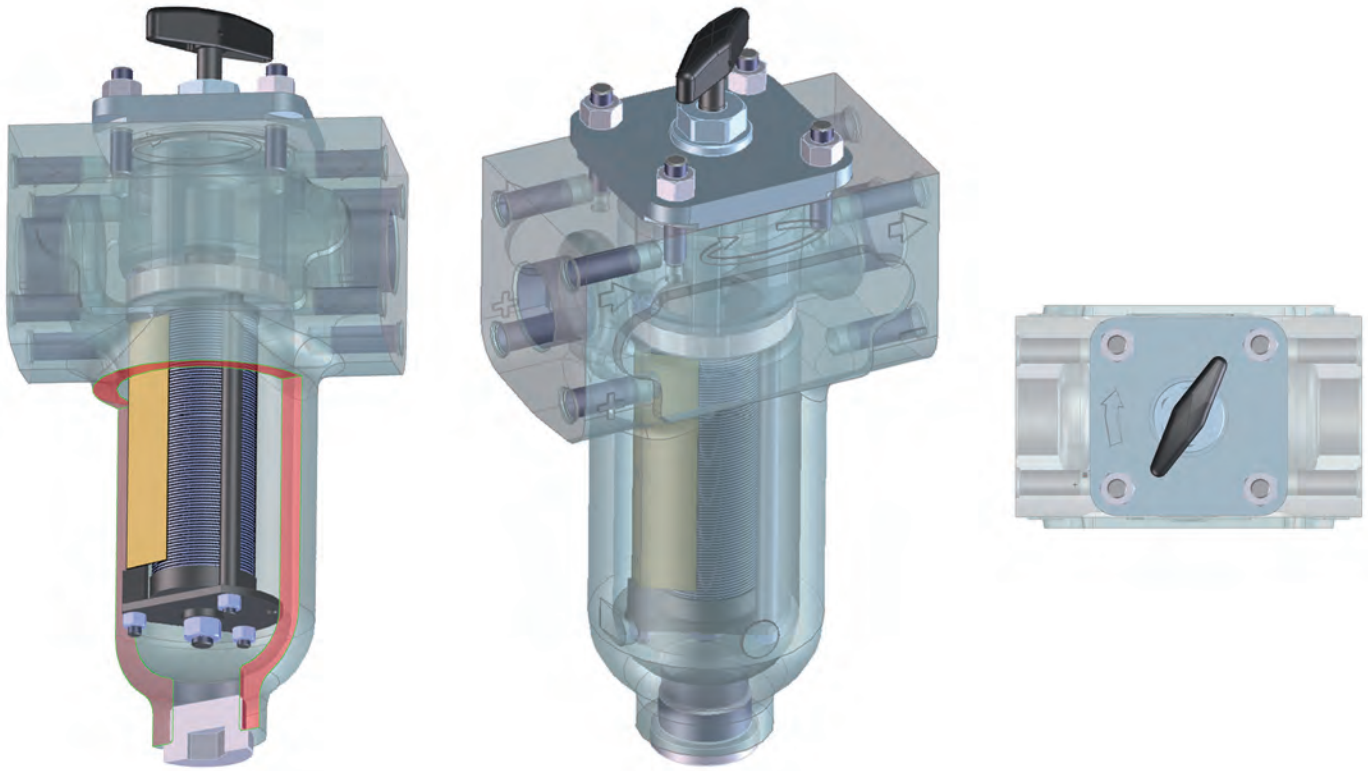


The wire gap-type insert consists of a non rusting, high tensile steel wire wound in a spiral around an aluminium frame. The exact position of the steel wire on the frame provides for equal gaps. As the liquid to be filtered flows through the insert dirt particles are deposited on the surface of the gaps. When the handle of the filter insert is turned the dirt particles are scraped by a stationary cleaner and sink to the sludge collection chamber where the sludge is discharged by opening a ball valve.

• MAX OPERATING PRESSURE: 40 bar

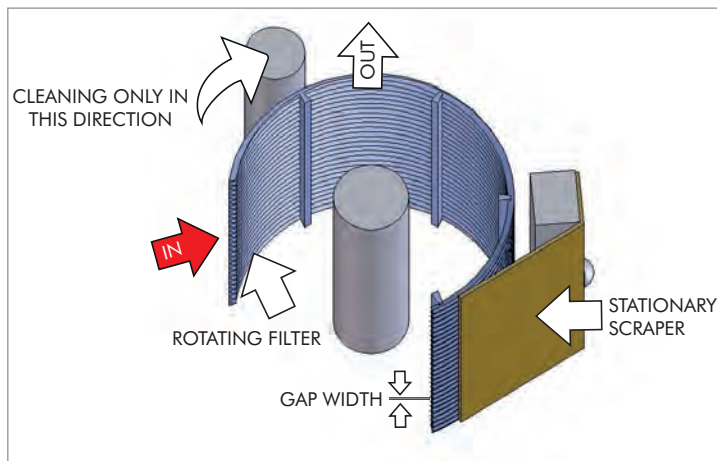
# TUBE GAP-TYPE KMG-T

Filters for water base and aggressive liquids



## FEATURES AVAILABLE

CONNECTION PORTS		MATERIAL OF HOUSING		MATERIAL OF FILTER HEAD		CLEANING		GAP WIDTH	
<input type="checkbox"/>	G 3/4"	<input type="checkbox"/>	Grey cast iron	<input type="checkbox"/>	Aluminium	<input type="checkbox"/>	Hand drive	<input type="checkbox"/>	50 µm
<input type="checkbox"/>	G 1"	<input type="checkbox"/>	Aluminium	<input type="checkbox"/>	Aluminium chemical nickel plated	<input type="checkbox"/>	* Top mounted electric motor	<input type="checkbox"/>	75 µm
<input type="checkbox"/>	G 1 1/2"	<input type="checkbox"/>	Aluminium chemical nickel plated	<input type="checkbox"/>	Stainless steel	* Available only from G 1"		<input type="checkbox"/>	100 µm
<input type="checkbox"/>	DN 50	<input type="checkbox"/>	Stainless steel	<input type="checkbox"/>				<input type="checkbox"/>	200 µm
<input type="checkbox"/>	DN 65	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	500 µm
<input type="checkbox"/>	DN 80	<input type="checkbox"/>	Steel welded	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	750 µm
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	1000 µm



The tube gap-type filter insert consists of a wire wound around longitudinal rods welded together at every crossing point. The longitudinal rods and wire are made of non rusting, high tensile steel. The exact position of the steel wire on the longitudinal rods provides for equal gaps. As the liquid to be filtered flows through the filter insert the dirt particles are deposited on the surface of the gaps. When the handle on the filter insert is turned, the dirt particles are removed by a stationary scraper and fall down into the sludge collection chamber. The sludge is discharged by opening a ball valve.

•MAX OPERATING PRESSURE: 40 bar