Coolant Lubrication Filter Elements

for Mahle/FG Filter Housings

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FORMERLY Rexroth FILTRATION

Hengst FILTRATION

www.hengst.com

Coolant lubrication systems are used to supply machine tools with fluid for both cooling and lubrication. The fluid ensures that the heat is dissipated during the cutting process and that adequate lubrication is present between tool and work piece in order to minimize friction. Simultaneously the fluid transports the created spall to the filters within the system. The specially designed filter material improves the service life of the filter element and the overall cleanliness of the fluid.
The coolant fluid consumption is thus reduced.

Application of the coolant lubrication filter elements:

Water-based fluids with approx. 90 percent water content and 10 percent lubricant concentrate.
Other media on request.

Properties:

Optimized stainless steel wire mesh for increased dirt holding capacity and chemical compatibility.
Filter pleat optimization allows for easier cleaning of the filter element.
Tin plated steel end caps and inner support tube with a collapse pressure 20 bar max.
Maximum operating temperature from 10 °C up to 80 °C. Seal material is NBR.
Filter material is cleanable stainless steel wire mesh in G40V2, G60V2 and G100V2 fineness respectively.

Manufacturer Description	Size	Fineness-Nominal	Description Hengst	Material Number
Pi8315Drg40	15	40 µm	18.8315 G40V2-E00-0-M-0009	R928056556
Pi8415Drg60		60 µm	18.8415 G60V2-E00-0-M-0009	R928056559
Pi8515Drg100		100 µm	18.8515 G100V2-E00-0-M-0009	R928056560
Pi8330Drg40	30	40 µm	18.8330 G40V2-E00-0-M-0009	R928056561
Pi8430Drg60		60 µm	18.8430 G60V2-E00-0-M-0009	R928056562
Pi8530Drg100		100 µm	18.8530 G100V2-E00-0-M-0009	R928056563
Pi8345Drg40	45	40 µm	18.8345 G40V2-E00-0-M-0009	R928056564
Pi8445Drg60		60 µm	18.8445 G60V2-E00-0-M-0009	R928056565
Pi8545Drg100		100 µm	18.8545 G100V2-E00-0-M-0009	R928056566

Cleaning of filter elements:

Filter elements with stainless steel wire mesh can be cleaned. Reusability of filter elements depends on the type of contamination as well as the differential pressure loading (final Δp before removal of the filter elements).

For further information please refer to corresponding Hengst filter element data sheet.

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Hengst Filtration GmbH
Hardtwaldstr. 43 | 68775 Ketsch, Germany
Telefon +49 (0) 62 02 / 603-0
hydraulicfilter@hengst.de

www.hengst.com

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