



CleverFilter®
THE FILTRATION PEOPLE

www.cleverfilter-group.com

Hydraulic, Lube and Insulating

High-Performance Oil Filters

Overview on Commonly Used Series and Part Numbers



Developed and designed by well experienced specialists our highly efficient filters provide state of the art quality and unrivaled cost effectiveness.

Top filter production equipments convert best raw materials into those filter elements our customers throughout the world rely on since many years.

The production plant with its class 10,000 clean rooms is environmentally controlled for a sustainable manufacturing process.

Quality management systems, testing facilities as well as scientific laboratories round off the picture of an international science and technology company.





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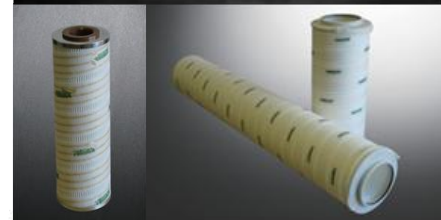
Most Common Filter Series:

RP22 & RHP22	03
RP319 & RP619	04
RP33	05
RP47	06
RP74 & RP75	07
RP83	08
RP89	09
RP90 & RHP90	10
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For any other configurations/specifications please refer to
www.cleverfilter.de/index.php/en/contact

CleverFilter & Pall*

Conversion table shortly available on
www.cleverfilter-group.com





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RP22 & RHP22 Filter Series

RP22 Filter Series



Product code RP 2206 F – 03 – 03 – H

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Determined according to ISO16889
Calibration according to ISO11171

Filter length: typical
flow rate:

03 : 3" 5 l/min
06 : 6" 10 l/min
08 : 8" 20 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid

Other product lines available: RP2208 / 2216 / 2218 / 2226 / 2233 / 2238 / 2246 / 2263 / 2285 / 2286 / 2295 / 2296 & RHP2217 / 2237

RHP22 Filter Series



Product code RHP 2207 F – 03 – 08 – H

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Determined according to ISO16889
Calibration according to ISO11171

Filter length: typical
flow rate:

08 : 8" 10 l/min
13 : 16" 20 l/min
20 : 39" 50 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid



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RP319 & RP619 Filter Series

RP319 Filter Series



Product code RP 319 F – 03 – 03 – H

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Determined according to ISO16889
Calibration according to ISO11171

Filter length: typical
flow rate:

08 : 8" 10 l/min
13 : 16" 20 l/min
20 : 39" 50 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid

Other product line available: RP219

RP619 Filter Series



Product code RP 619 F – 03 – 08 – H

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Determined according to ISO16889
Calibration according to ISO11171

Filter length: typical
flow rate:

20 : 20" 50 l/min
40 : 40" 100 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid



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RP33 Filter Series

RP3310 Filter Series



Product code

RP 3310 CP – 12 – 40 – H

Filter version:

3310, PP pleated

Sealing:

H : Nitrile

Z : Viton

Retention rate:

06 : 6 µm

12 : 12 µm

20 : 20 µm

30 : 30 µm

40 : 40 µm

70 : 70 µm

90 : 90 µm

Filter length:

13 : 13"

20 : 20"

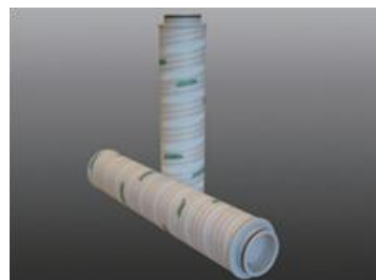
30 : 30"

40 : 40"



RP47 Filter Series

Product code **RP 4704 F – 03 – 08 – H**



Filter version:

04 : coreless

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Determined according to ISO16889
Calibration according to ISO11171

Filter length: typical
flow rate:

08 : 8" 10 l/min
13 : 13" 20 l/min
16 : 16" 50 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid

Other product series available: RP6200 / 6400

RP47 Filter Series

Product code **RP 4754 F – 03 – 04 – H**



Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Determined according to ISO16889
Calibration according to ISO11171

Filter length: typical
flow rate:

04 : 4" 10 l/min
08 : 8" 20 l/min
16 : 16" 50 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid



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RP74 & RP75 Filter Series

RP74 Filter Series

Product code

RP 7400 F – 03 – 04 – H

Filter version: spin-on filter

00 : steel endcaps and core

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Filter length: typical
flow rate:

04 : 4" 125 l/min

Sealing:

H : Nitrile

Z : Viton

typically suitable for :

Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Phosphate ester based
hydraulic fluid



Determined according to ISO16889
Calibration according to ISO11171

Other product line available: RP7502

RP75 Filter Series

Product code

RP 7500 F – 03 – 04 – H

Filter version: spin-on filter

00 : steel endcaps and core

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Filter length: typical
flow rate:

04 : 4" 320 l/min

Sealing:

H : Nitrile

Z : Viton

typically suitable for :

Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Phosphate ester based
hydraulic fluid



Determined according to ISO16889
Calibration according to ISO11171



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RP83 Filter Series

RP83 Filter Series

Product code

RP 8304 F – 03 – 16 – H

Filter version:

- 04 : coreless
- 14 : coreless & increased dirt capacity

Retention @ $\beta_x \geq 1,000$

- 03 : 3 μm
- 05 : 5 μm
- 07 : 7 μm
- 12 : 12 μm
- 22 : 22 μm

Filter length: typical flow rate:

- 16 : 16" 50 l/min
- 39 : 39" 100 l/min - 400 l/min

Determined according to ISO16889
Calibration according to ISO11171

Other product lines available: RP8200 / 8314 / 8400



Sealing: typically suitable for :

- H : Nitrile Petroleum-based oil; oil-in-water emulsion; water-glycol-mixture
- Z : Viton Phosphate ester based hydraulic fluid

RP83 Filter Series

Product code

RP 8300 F – 03 – 08 – H

Filter version:

- 00 : steel endcaps and core

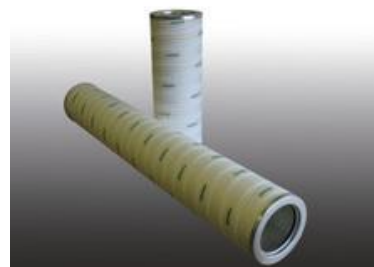
Retention @ $\beta_x \geq 1,000$

- 03 : 3 μm
- 05 : 5 μm
- 07 : 7 μm
- 12 : 12 μm
- 22 : 22 μm

Filter length: typical flow rate:

- 08 : 8" 10 l/min
- 16 : 16" 50 l/min
- 39 : 39" 100 l/min - 400 l/min

Determined according to ISO16889
Calibration according to ISO11171



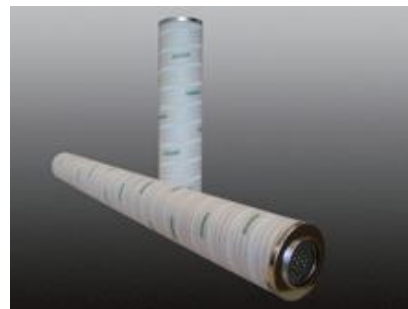
Sealing: typically suitable for :

- H : Nitrile Petroleum-based oil; oil-in-water emulsion; water-glycol-mixture
- Z : Viton Phosphate ester based hydraulic fluid



RP89 Filter Series

RP89 Filter Series



Product code RP 8900 F – 03 – 16 – H

Filter version:

00 : steel endcaps and core

Retention @ $\beta_x \geq 1,000$

03 : 3 μ m
05 : 5 μ m
07 : 7 μ m
12 : 12 μ m
22 : 22 μ m

Filter length: typical
flow rate:

16 : 16" 50 l/min
26 : 26" 100 l/min -
200 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid

Determined according to ISO16889
Calibration according to ISO11171

RP89 Filter Series

Product code RP 8904 F – 03 – 16 – H

Filter version:

04 : coreless

Retention @ $\beta_x \geq 1,000$

03 : 3 μ m
05 : 5 μ m
07 : 7 μ m
12 : 12 μ m
22 : 22 μ m

Filter length: typical
flow rate:

16 : 16" 50 l/min
26 : 26" 100 l/min -
200 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid

Determined according to ISO16889
Calibration according to ISO11171





RP90 Filter Series

Product code RP 9020 F – 03 – 04 – H



Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Determined according to ISO16889
Calibration according to ISO11171

Filter length: typical
flow rate:

04 : 4" 10 l/min
08 : 8" 20 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid

RHP90 Filter Series

Product code RHP 9021 F – 03 – 04 – H



Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Determined according to ISO16889
Calibration according to ISO11171

Filter length: typical
flow rate:

04 : 4" 10 l/min
08 : 8" 20 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid



RP91 Filter Series

RP91 Filter Series

Product code

RP 9100 F – 03 – 04 – H

Filter version:

00 : steel endcaps and core

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Filter length: typical
flow rate:

04 : 4" 10 l/min
08 : 8" 20 l/min

Determined according to ISO16889
Calibration according to ISO11171

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid



Other product line available: RP9404

RP91 Filter Series

Product code

RP 9104 F – 03 – 04 – H

Filter version:

04 : coreless

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Filter length: typical
flow rate:

04 : 4" 10 l/min
08 : 8" 20 l/min

Determined according to ISO16889
Calibration according to ISO11171

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid





RP96 Filter Series

RP96 Filter Series

Product code

RP 9600 F – 03 – 04 – H

Filter version:

00 : steel endcaps and core

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Filter length: typical
flow rate:

04 : 4" 10 l/min
08 : 8" 20 l/min
16 : 16" 50 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid

Determined according to ISO16889
Calibration according to ISO11171

Other product lines available: RP9650 / 9700



RP96 Filter Series

Product code

RP 9604 F – 03 – 08 – H

Filter version:

04 : coreless

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Filter length: typical
flow rate:

04 : 4" 10 l/min
08 : 8" 20 l/min
16 : 16" 50 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid

Determined according to ISO16889
Calibration according to ISO11171





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RHP96 Filter Series

RHP96 Filter Series



Product code RHP 9601 F – 03 – 04 – H

Retention @ $\beta_x \geq 1,000$

03	:	3 μm
05	:	5 μm
07	:	7 μm
12	:	12 μm
22	:	22 μm

Determined according to ISO16889
Calibration according to ISO11171

Filter length: typical
flow rate:

04	:	4"	10 l/min
08	:	8"	20 l/min
13	:	13"	30 l/min
16	:	16"	50 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid



RP98 Filter Series

Product code

RP 9800 F – 03 – 03 – H

Filter version:

00 : steel endcaps and core

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Filter length: typical flow rate:

04 : 4" 10 l/min
08 : 8" 20 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid



Determined according to ISO16889
Calibration according to ISO11171

Other product line available: RP9804

RHP98 Filter Series

Product code

RHP9801 F – 03 – 08 – H

Retention @ $\beta_x \geq 1,000$

03 : 3 μm
05 : 5 μm
07 : 7 μm
12 : 12 μm
22 : 22 μm

Filter length: typical flow rate:

04 : 4" 10 l/min
08 : 8" 20 l/min

Sealing: typically suitable for :

H : Nitrile Petroleum-based oil;
oil-in-water emulsion;
water-glycol-mixture

Z : Viton Phosphate ester based
hydraulic fluid



Determined according to ISO16889
Calibration according to ISO11171