RETURN-LINE FILTERS - PRESSURE FILTERS

RETURN-LINE FILTERS SEMI-SUBMERGED IN RESERVOIR

TEF - DTEF - TEFB - RF - TRW SERIES

Application: Mounted on head of reservoir, with outlet return to reservoir.
Fitting dimensions: up to G 1" 1/2, up to SAE 5" up to DN 200
Operating pressure: 10 bar
Flow rate: up to 7200 l/min, TEFB, TRW up to 300 l/min
Filter materials: Paper, Fibre, Stainless Steel
Benefits: Lightweight, easy to replace, prevent potential oil leakage when replacing the filter element.

RETURN-LINE FILTERS SEMI-SUBMERGED IN RESERVOIR WITH SUCTION CONNECTION

TRS – TNRS SERIES

Application: For mobile hydraulic applications with at least 2 independent hydraulic circuits.
Fitting dimensions: up to G 1" 1/4, up to SAE 2"
Operating pressure: 10 bar
Flow rate: up to 450 l/min
Filter materials: Paper, Fibre, Stainless Steel
Benefits: Mounted on head of reservoir, in-line filters provide clean suction flow and prevent cavitation.

STEEL PRESSURE FILTERS

EH, EHP, EHPF SERIES

Application: Mounted on pressure lines.
Operating pressure: up to 420 bar

EH, EHP, EHPF SERIES

Application: High-efficiency, series filter with high flow rates.
Operating pressure: up to 315 bar

EHD, EDU, EDA, EDSF, ELF SERIES

Application: To be fitted on suction, pressure or return lines.
Operating pressure: up to 315 bar

CHANGEOVER PRESSURE FILTERS

Application: Flow destination through the filter can be changed from either chamber. Can be mounted on pressure or return lines.
Filter materials: Paper, Fibre, Stainless Steel

MDD - HDD SERIES

Fitting dimensions: up to G 1", up to SAE 2" Scr 2"
Operating pressure: 315 bar
Flow rate: MDD up to 450 l/min, HDD up to 1350 l/min
Benefits: Duplex filters can be maintained with no interruption in flow. The top has a three-way valve that allows the flow to be changed over from the dirty side of the filter to the clean side with no interruption.

DU - DUV SERIES

Fitting dimensions: up to G 3/4", up to SAE 5"
Operating pressure: 32 bar
Flow rate: DU up to 4000 l/min, DUV up to 2000 l/min
Benefits: The rotary closure, or ball valve, in the centre of the housings enables switching from the dirty side of the filter to the clean side with no interruption in operation. The dirty element can be serviced or replaced while in the "off" position.

DWF SERIES

Filters in accordance with ASME regulations
Fitting dimensions: DIN or ANSI flanged up to 10"
Operating pressure: 16 bar
Flow rate: up to 6000 l/min
Benefits: The changeover ball valve in the centre of the housings enables switching from the dirty side of the filter to the clean side with no interruption in operation.

DA - DNA SERIES

Filters in accordance with ASME regulations
Fitting dimensions: Flanged up to DN 250, up to SAE 2", up to ANSI 4"
Operating pressure: 16 bar, 40 bar
Flow rate: DA up to 1000 l/min, DNA up to 2050 l/min
Benefits: The changeover ball valve in the centre of the housings enables switching from the dirty side of the filter to the clean side with no interruption in operation.

PRESSURE FILTERS

PRESSURE FILTERS PN < 100 bar

Application: Can be mounted on pressure or return lines.
Filter materials: Paper, Fibre, Stainless Steel

LF SERIES

Fitting dimensions: from G 3/4" up to DIN/ANSI flanges 10"
Operating pressure: 10 bar, 16 bar, 25 bar, 32 bar
Flow rate: up to 10000 l/min
Benefits: Filters are mounted in those cases where the inlet and outlet are in line.

PRESSURE FILTERS, MULTIPLE FITTING, PN > 100 bar

MNU - HNU - HPU - HPP SERIES

Application: Pressure-mounted with flange or multiple mounting.
Fitting dimensions: DN 32
Operating pressure: 160 bar, 315 bar
Flow rate: HPP – up to 1350 l/min
Filter materials: Paper, Fibre, Stainless Steel
Benefits: Simple installation, saving space. Provides filtration directly at the point in the system that requires it. Prevents dirty fluid from flowing to subsequent system components when replacing the filter element.

HPF, HPX, HPY, HPFO, HPZ, FHP SERIES

Application: Pressure-mounted with multiple mounting.
Fitting dimensions: up to DN 36
Operating pressure: up to 315 bar
Flow rate: HPF – up to 1350 l/min
Filter materials: Paper, Fibre, Stainless Steel
Benefits: Simple installation, saving space. Provides filtration directly at the point in the system that requires it. Prevents dirty fluid from flowing to subsequent system components when replacing the filter element.

PRESSURE FILTERS, PN > 100 BAR

Application: Can be mounted on pressure or return lines.
Filter materials: Paper, Fibre, Stainless Steel

HP SERIES

Fitting dimensions: up to G 1" 1/2, up to SAE 2"
Operating pressure: up to 420 bar
Flow rate: up to 1350 l/min
Benefits: In-line or flanged, mounting is possible with different connections and different differential indicators. Very high flow rates are possible with a single housing.

HPW SERIES

Fitting dimensions: up to G 1" 1/2, flanged up to DN 50, up to G 2"
Operating pressure: up to 315 bar
Flow rate: up to 400 l/min
Benefits: HPW filters are used when the media has to filter the flow through the filter in two directions, and the filtering effect on the flow has to result in both directions.

HPV - MDV SERIES

Fitting dimensions: HPV up to G 1" 1/2, MDV up to G 3/4"
Operating pressure: HPV up to 420 bar, MDV up to 200 bar
Flow rate: HPV up to 400 l/min, MDV up to 150 l/min
Benefits: Permanent clean oil supply is guaranteed. If the element is clogged, replacement is mandatory, which means that damage to subsequent line components is not possible. Return to reservoir is mandatory.

ML, MNL, MF, MFO, MLO SERIES

Fitting dimensions: up to G 1"
Operating pressure: up to 160 bar
Flow rate: up to 450 l/min
Benefits: Cheap and lightweight, they are suitable for low to medium pressure applications. They require only a very small footprint when replacing filter elements, thus provide considerable space savings.

SUCTION FILTERS – OFF-LINE FILTERS

SUCTION FILTERS SEMI-SUBMERGED IN RESERVOIR

AS, TS, TSW SERIES

Application: Mounted on side of reservoir below oil level, or directly mounted on reservoir vertically (TS series) or horizontally (TSW series). The suction side is in the reservoir with a control valve which stops oil drainage when it is being serviced.
Fitting dimensions: up to SAE 3" 1/2, up to G 1/2"
Flow rate: up to 700 l/min
Filter materials: Paper, Fibre, Stainless Steel
Benefits: Suction filters that can be serviced from outside the reservoir do not need an additional control valve.

OFF-LINE FILTERS

NF SERIES

Application: NF partial flow filters are used for the fine filtration of hydraulic and lubrication circuits, in addition to a primary filter.
Fitting dimensions: up to SAE 2" 1/2
Operating pressure: 16 bar
Flow rate: up to 1000 l/min
Filter materials: Paper, Fibre, Stainless Steel. NF filters can be supplied with filter elements for water absorption.
Benefits: The extensive filtration surface area in relation to the nominal size is a prerequisite for high dirt retention capability, even in the case of heavy filtration. Filter elements can be replaced with no tools. After removal of the screw lid, the filter element is accessible and ready to be replaced.

BREATHERS - SPIN ON FILTERS - INDICATORS

RESERVOIR BREATHERS

NBF - EBF - BFD - BF SERIES

Application: Breathers prevent contamination of the reservoir via the exchange of air and the condensation of water in the reservoir.
Fitting dimensions: up to G 3”
Flow rate: up to 3500 l/min
Materials: nbf – fibre, paper | ebf, tbf – paper | bf, wp – fibre, paper | bfd – silica gel, fibre
Benefits: protect the system from contaminated air and/or humidity

SPIN-ON FILTERS

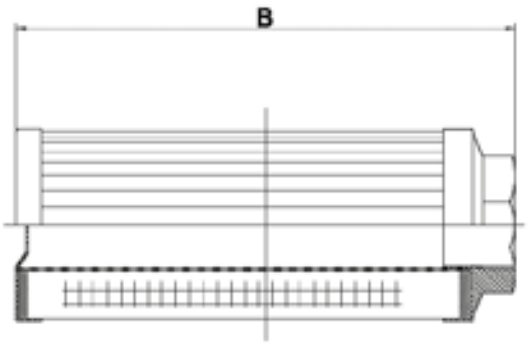
WPL SERIES

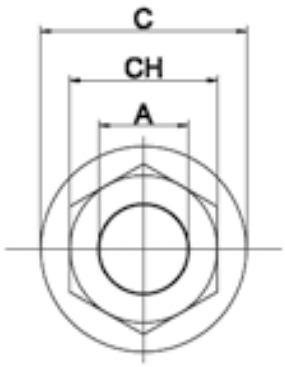
Application: Series of in-line, pressure- and return-mounted filters for all hydraulic systems.
Fitting dimensions: up to G 1” 1/2
Flow rate: up to 260 l/min
Materials: fibre or paper
Benefits: easy maintenance. Die-cast aluminium construction ensures a saving in total weight. Can be used on suction or return sides.

CLOGGING INDICATORS

AE - OE - O - E - VS SERIES

Application: Wide range of clogging indicators for hydraulic and lubrication systems.
Benefits: easy integration into automatic system controls, continuous control of contamination, continuous control of differential pressure, early identification of increased contamination, optimal use
on filter elements.
Models: optical, electrical, optical-electronic, electronic, available in the following variations – with lock, explosion-proof, threaded, with reset function and control function.





	DIMENSIONS (mm)					FLOW RATE
	Cod.	A BSPP / NPT	B	C	CH	l/min
VSA	14	1/4"	90	46	24	12
	38	3/8"	90	46	24	12
	12	1/2"	105	46	30	15
	34	3/4"	109	64	36	25
	100A	1"	139	64	46	50
	100B	1"	139	86	52	80
	114	1" 1/4	139	86	52	90
	112A	1" 1/2	139	86	60	95
	112B	1" 1/2	200	86	60	130
	112C	1" 1/2	151	150	70	220
	200A	2"	260	86	70	180
	200B	2"	151	150	70	225
	212	2" 1/2	211	150	90	350
	300	3"	272	150	100	500

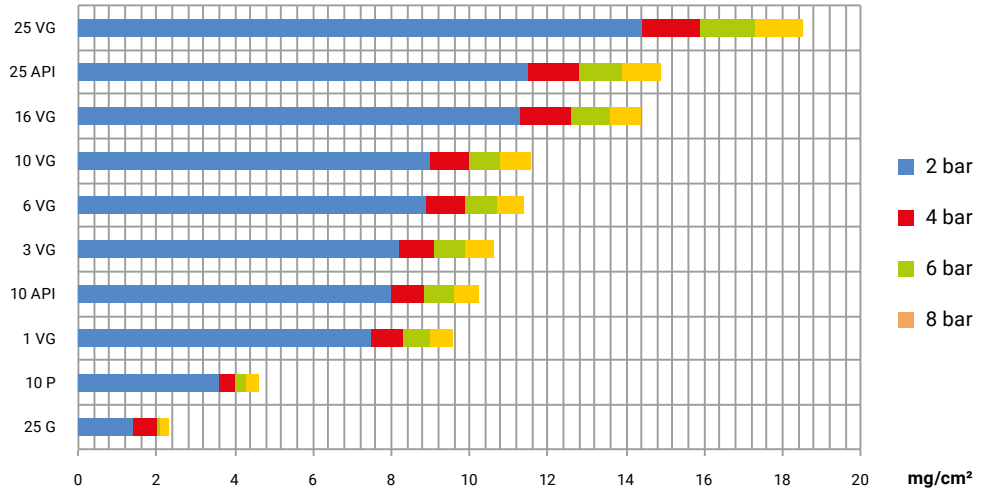
FILTER COMPOSITION CODE

VSA - 114 - OT - 125 - SB..

- 114: Dimension Code
- OT: Cloth material
  OT – Brass
  Y – AISI 304
  X – AISI 316
  Z – Galvanised
  C – Paper
  F – Fibre
  P – Polyester
- 125: Filtration (Micron)
  25 40
  50 60
  100 125
  250 500
  1000
- SB..: Special Measurements
  SA – Connections
  SB – Height
  SC – Diameter

ORIGINAL AND INTERCHANGEABLE HYDRAULIC FILTER ELEMENTS

Capacità di accumulo secondo ISO 16889 (test dust:ISO_MTD - mg/cm²)



Complete range of original and interchangeable filter elements for major international brands:

Pall	**Vickers**	**Arburg**
Fleetguard	**Parker**	**Omt**
FBO	**Boll & Kirch**	**Atlas-Copco**
Hydac	**Luber Finer**	**Baldwin**
Sofima Hydraulics	**Argo**	**Pti**
Finn Filter	**Fairey Arlon**	**Bosch**
Mahle	**Bosch Rexroth**	**Purolator**
Ucc	**Vokes**	**Cuno 3M**
Hy-pro	**Savara**	**Facet**
Epe	**Moog**	**Regeltechnik**
Ufi	**Donaldson**	**Sfornate**
Indufil	**Schroeder**	**Taisei Kogyo**
Mp Filtri	**Nuovo Pignone**	**Wix**