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Lightline

Dedicated quality for best price

Filters • Valves • Gear Pumps

Filters

APPLICATIONS

Applications

› Hydraulic and lubrication systems with up to 500 h service life
› Low and medium specified systems with low cold start requirements and flow dynamics

Price Advantage

› 30 % for filter assemblies compared with *EXAPOR®MAX2*
› 40 % for *EXAPOR®Light* filter elements compared with *EXAPOR®MAX2*

Performance

› Nominal flow rate and pressure drop are similar to those of *EXAPOR®MAX2*
› *EXAPOR®Light* filter elements are fully compatible with *EXAPOR®MAX2* filter elements:
- Dirt holding capacity is approx. 40% lower, compared with *EXAPOR®MAX2**
- 500 h recommended service life

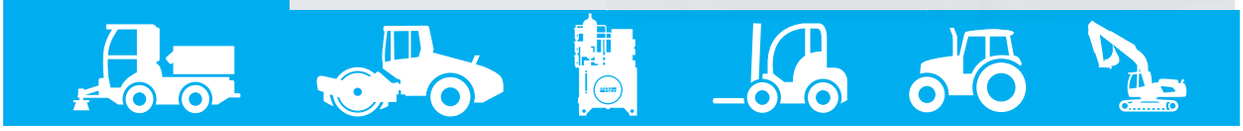
Type of filter	Flow rate, max. [l/min]	Filter fineness [µm]	Bypass valve setting [bar]	Connection	Breather	Indicator
RFT 050 RFT 090	50 90	10 µm (glass fibre) 20 µm (glass fibre) 30 µm (cellulose)	2.5 bar (glass fibre) 1.5 bar (cellulose)	G¾	available with or without breather	optical / electrical
RFT 125 RFT 175	125 175			G1		
RFT 270	270			G1¼	not available	
RFT 500 RFT 650	500 650			G1½ / SAE2		

*...30 µm cellulose elements have not been modified for the Lightline range.
Their design is the same as in our existing standard product range.

Subject to change · 14616 · 042015

Valves

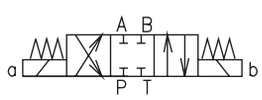
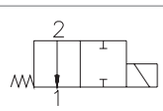
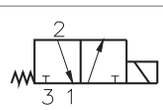
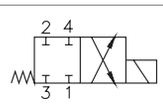
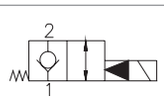
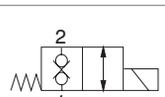
APPLICATIONS



This range offers two lines: modular and screw-in cartridge valves.
A wide variety of designs with different spool versions, solenoid coils (voltages) and terminals can be used in hydraulic systems of both stationary and mobile machines and equipment.

Features

- Saves money due to weight-optimized design
- Modular valves sizes CETOP 02 / 03
- Screw-in valves sizes ¾-16 UNF and 7/8-14 UNF
- High variety of electrical terminals (DIN, AMP JET, Deutsch DT04, flying leads)
- Surface finish options for 240 h and 760 h salt spray protection

Symbol	Type Code Data Sheet	Cavity/Size	Type Code l/min (GPM) / bar (PSI)
2/2, 3/2, 4/2 and 4/3 Solenoid Operated Directional Valves			
	RPEL1-04 / HA4037 RPEL1-06 / HA4056	D02 / NG4 D03 / NG6	30 (8.0) / 250 (3600) 50 (13.2) / 250 (3600)
	SD2E-A2/L / HA4040 SD2E-B2/L / HA4060	08 / 3/4-16 UNF 10 / 7/8-14 UNF	20 (5.3) / 250 (3600) 50 (13.21) / 250 (3600)
	SD2E-A3/L / HA4041 SD2E-B3/L / HA4056	08 / 3/4-16 UNF 10 / 7/8-14 UNF	20 (5.3) / 250 (3600) 50 (13.21) / 250 (3600)
	SD2E-A4/L / HA4042 SD2E-B4/L / HA4062	08 / 3/4-16 UNF 10 / 7/8-14 UNF	20 (5.3) / 250 (3600) 50 (13.21) / 250 (3600)
	SD3E-A2/L / HA4043 SD3E-B2/L / HA4063	08 / 3/4-16 UNF 10 / 7/8-14 UNF	20 (5.3) / 250 (3600) 50 (13.21) / 250 (3600)
	SD1E-A2/L / HA4070	08 / 3/4-16 UNF	20 (5.3) / 250 (3600)

Gear Pumps

APPLICATIONS

Thanks to a variety of designs with various drive shafts, flanges, fluid inlets and outlets, these pumps can be used in hydraulic systems of both stationary and mobile machines and equipment. The pumps are available with clockwise and counter-clockwise rotation, as well as in a reversible configuration; multiple pump units are also available. Connecting dimensions correspond to all worldwide standards.

Features

- Price advantage
- High operational reliability
- Cost optimized design
- High cleanliness level
- High quality aluminium
- High volumetric efficiency
- Further pumps (special function, multiple versions) are available

Type Code Data Sheet	**p_{max} bar (PSI)**	**Max. Displacement ccm (cin/rev)**	**Q_{max} l/min (GPM)**
GPOL HA 8013	250 (3643)	2 (0.122)	6 (1.60)
GP1L HA 8014	270 (3650)	8 (0.488)	16,3 (4.34)
GP2L HA 8015	300 (4372)	30 (1.830)	65 (17.30)
GP3L HA 8016	280 (4080)	71 (4.331)	170 (45.24)