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Kracht

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Ürün	Açıklama
P.0149880003	High pressure gear pump KP 0/3 K10S M0A 8ML1 Nomenclature number: 84136031 Net weight position: 1,840
P.0136180025	Gear pump KF 80 RF 4 Nomenclature number: 84136031 Net weight position: 10 kg ---------- Pipe connection flange connection SAE 1 1/2 " Cylindrical shaft end ø 24mm integrated valve no Specific dates Operating pressure (suction side) -0.4 ... + 2 bar Max. Operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating temperature -20 ° C ... + 200 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 1.4 mm² / s (max. 3 bar) 6 mm² / s (max. 12 bar) 12 mm² / s (max. Operating pressure) Maximum viscosity depending on suction conditions, speed and Drive power Speed range 200 ... 3000 rpm (depending on pressure, viscosity and drive power)
KP 0/3 K10S M0A 8ML1	P.0149880003 High pressure gear pump KP 0/3 K10S M0A 8ML1 Net weight position: 0.920 kg
W.7477076800	PRESSURE REGULATING VALVE

	CARTRIDGE DVP.1-6HL
SPVF 25 A2F 1 A 05	P.0053330002 Pressure relief valve Materials Housing material gray cast iron EN-GJL 300 Material seal O-ring NBR Product data Nominal size 25 Slide valve design - directly controlled Type of fastening in the pipeline Line connection Flange connection SAE 1 " Type of actuation adjusting screw Execution without Specific dates Flow rate max. 90 l / min Max. Operating pressure 120 bar Set pressure range 2 bar ... 5 bar Operating medium temperature -20 ° C ... + 80 ° C Ambient temperature -20 ° C ... + 60 ° C
KF 40 RF 1 - D 15	Gear pump P.0132190002 Materials Housing material gray cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material case-hardened steel Material seals NBR Shaft seal Radial shaft seal Bearing multi-layer plain bearing P10 Product data Geometric delivery volume 40.21 cm³ / r Right direction of rotation (view of shaft end) Mounting type DIN flange Front bearing no Line connection Flange connection SAE 1 1/2 " Shaft end cylindrical ø 24mm integrated valve D-valve 0 ... 15 bar Specific dates Operating pressure (suction side) -0.4 ... + 6 bar (max 750 rpm), -0.4 ... + 5 bar (max 1000 rpm) -0.4 ... + 4 bar (max 1500 rpm), - 0.4 ... + 3 bar (max 2000 rpm) -0.4 ... + 2 bar (max 3000 rpm), -0.4 ... +1.5 bar (max 3600 rpm) Max. Operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... + 90 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 1.4 mm² / s (max. 3 bar) 6 mm² / s (max. 12 bar) 12 mm² / s (max. Operating pressure) Maximum viscosity depending on suction conditions, speed and Drive power Speed range 200 ... 3600 rpm (depending on pressure, viscosity and drive power) Net weight position: 20.560 kg
KP 1/11 F10A K00 2KL2	P.0059700015 High pressure gear pump Nomenclature number: 84136031 Net weight position: 8,600 kg
	Gear pump Materials Housing material gray cast iron EN-GJL 250 Material

KF 12 RF 1 - D 15	Integrated valve cast iron EN-GJL 250 Material gear steel, case-hardened Material seals NBR Shaft seal, radial shaft seal Bearing multi-layer plain bearing P10 Product data Right direction of rotation (view of shaft end) Mounting type DIN flange Front bearing no Line connection threaded connection G 3/4 " Shaft end cylindrical ø 14mm integrated valve D-valve 0 ... 15 bar Any installation position Specific dates Operating pressure (suction side) -0.4 ... + 6 bar (max 750 rpm), -0.4 ... + 5 bar (max 1000 rpm) -0.4 ... + 4 bar (max 1500 rpm), - 0.4 ... + 3 bar (max 2000 rpm) -0.4 ... + 2 bar (max 3000 rpm), -0.4 ... +1.5 bar (max 3600 rpm) max.operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... + 90 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 1.4 mm² / s (max. 3 bar) 6 mm² / s (max. 12 bar) 12 mm² / s (max. Operating pressure) Maximum viscosity depending on suction conditions, speed and Drive power Speed range 200 ... 3600 rpm (depending on pressure, viscosity and drive power)
KF 16 RF 1 - D 15	Gear pump Materials Housing material gray cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Material gear steel, case-hardened Material seals NBR Shaft seal, radial shaft seal Bearing multi-layer plain bearing P10 Product data Geometric delivery volume 16.09 cm³ / r Right direction of rotation (view of shaft end) Mounting type DIN flange Front bearing no Line connection threaded connection G 1 " Shaft end cylindrical ø 14mm integrated valve D-valve 0 ... 15 bar Any installation position Specific dates Operating pressure (suction side) -0.4 ... + 6 bar (max 750 rpm), -0.4 ... + 5 bar (max 1000 rpm) -0.4 ... + 4 bar (max 1500 rpm), - 0.4 ... + 3 bar (max 2000 rpm) -0.4 ... + 2 bar (max 3000 rpm), -0.4 ... +1.5 bar (max 3600 rpm) max.operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... + 90 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 1.4 mm² / s (max. 3 bar) 6 mm² / s (max. 12 bar) 12 mm² / s (max. Operating pressure)

	Maximum viscosity depending on suction conditions, speed and Drive power Speed range 200 ... 3600 rpm (depending on pressure, viscosity and drive power)
KF 200 RF 1 - D 15	Materials Housing material gray cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material case-hardened steel Material seals NBR Shaft seal Radial shaft seal Bearing multi-layer plain bearing P10 Product data Geometric delivery volume 206.20 cm³ / r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Front bearing no Line connection Flange connection SAE 3 " Shaft end cylindrical ø 28mm integrated valve D-valve 0 ... 15 bar Any installation position Specific dates Operating pressure (suction side) -0.4 ... + 6 bar (max 750 rpm), -0.4 ... + 5 bar (max 1000 rpm) -0.4 ... + 3.5 bar (max 1500 rpm), - 0.4 ... + 2.5 bar (max 2000 rpm) -0.4 ... +1.5 bar (max 3000 rpm) max.operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... + 90 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 1.4 mm² / s (max. 3 bar) 6 mm² / s (max. 12 bar) 12 mm² / s (max. Operating pressure) Maximum viscosity depending on suction conditions, speed and Drive power Speed range 200 ... 2500 rpm (depending on pressure, viscosity and drive power)
VC 0,2 C1 F1 P2 SH	763 / 5000 Çeviri sonuçları Gear flow meter Materials Housing material nodular cast iron EN-GJS 400 Material measuring mechanism steel 1.7139 Material O-rings FKM Bearing ball bearing Product data Pulse volume 0.245 cm³ / pulse Line connection subplate mounting Electronic output 2 square wave signals, offset by 90 ° Electrical connection plastic angle plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific dates Flow measuring range 0.16 ... 16 l / min Measuring mechanism start-up at 0.01 l / min Linearized measuring accuracy ± 0.5% of the measured value (with viscosity: min. 50 mm² / s) Repeatability ± 0.05% Resolution 4081.63 pulses / l max.permissible pressure 480 bar

	Operating medium temperature -40 ° C ... +120 ° C Ambient temperature -40 ° C .... + 80 ° C max. size of foreign particles 30 µm
KF 12 RF 7	Gear pump Materials Housing material gray cast iron EN-GJL 250 Material end cover gray cast iron EN-GJL 250 Gearbox material case-hardened steel Material seals FKM Shaft sealing double radial shaft sealing ring with connection option for liquid reservoir Liquid storage container must be ordered separately Bearing multi-layer plain bearing P10 Product data Right direction of rotation (view of shaft end) Mounting type DIN flange Front bearing no Line connection threaded connection G 3/4 " Shaft end cylindrical ø 14mm integrated valve no Specific dates Operating pressure (suction side) -0.4 ... + 6 bar (max 750 rpm), -0.4 ... + 5 bar (max 1000 rpm) -0.4 ... + 4 bar (max 1500 rpm), - 0.4 ... + 3 bar (max 2000 rpm) -0.4 ... + 2 bar (max 3000 rpm), -0.4 ... +1.5 bar (max 3600 rpm) max.operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... +150 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 1.4 mm² / s (max. 3 bar) 6 mm² / s (max. 12 bar) 12 mm² / s (max. Operating pressure) Maximum viscosity depending on suction conditions, speed and Drive power Speed range 200 ... 3600 rpm (depending on pressure, viscosity and drive power
KP 1/11 F10A K00 2KL2	P.0059700015 High pressure gear pump Nomenclature number: 84136031 Net weight position: 4,300 kg
KP 3/71 V10G Y00 6DL2	High pressure gear pump Materials Housing material gray cast iron EN-GJL 300 Material of flange cover gray cast iron EN-GJL 300 Gearbox material case-hardened steel Material seals FKM Bearing multi-layer plain bearing P10 Product data Geometric delivery volume 70.60 cm³ / r Shaft seal Radial shaft seal Right direction of rotation (view of shaft end) Mounting type V / E - SAE-C 4-hole flange, LA = 114.55 / 114.55, Ø Z = 127 Front bearing no Line connection G / Z - 1 1/2 "-SAE (Ø 40) M12 / 1 1/4" -SAE (Ø 32) M12 Shaft

	end Y - cylindrical shaft Ø 32/550 Nm max Specific dates Operating pressure (suction side) -0.4 ... + 2 bar max.operating pressure (pressure side) 230 bar Operating medium temperature + 150 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 10 mm² / s Maximum viscosity 600 mm² / s Speed range depending on pressure, viscosity and drive power
VC 0,2 K5 F3 R2 SH	Gear flow meter Nomenclature number: 90261081 Net weight position: 0.700 kg Materials Housing material aluminum AlMgSi F30 Material measuring mechanism steel 1.7139 Material O-rings FKM Bearing ball bearing Product data Pulse volume 0.245 cm³ / pulse Line connection Pipe connection G3 / 8 " Electronic output 2 square wave signals, offset by 90 ° Electrical connection plastic angle plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific dates Flow measuring range 0.16 ... 16 l / min Measuring mechanism start-up at 0.01 l / min Linearized measuring accuracy ± 0.3% of the measured value (with viscosity: min. 20 mm² / s) Repeatability ± 0.05% Resolution 4081.63 pulses / l max.permissible pressure 200 bar Operating medium temperature -10 ° C ... + 80 ° C Ambient temperature -10 ° C ... + 80 ° C max. foreign particle size 20 µm
KP 1/11 F10A K00 2KL2	High pressure gear pump Materials Housing material gray cast iron EN-GJL 300 Material of flange cover nodular cast iron EN-GJS 400 Gearbox material case-hardened steel Material seals FKM Bearing multi-layer sliding bearing P23 + multi-layer sliding glasses P10 + Pressure plate ST / KS 940 S Product data Geometric delivery volume 11.30 cm³ / r Shaft seal Radial shaft seal Direction of rotation to the right (view of shaft end) Mounting type F - square 2-hole flange, LA = 60/60, Ø Z = 50 Front bearing no Line connection A - Ø 20 with LK 40 / Ø 15 with LK 35 -M6 Shaft end K - cone 1: 5 Ø16.5 / 150 Nm max Specific dates Operating pressure (suction side) -0.4 ... + 5 bar max.operating pressure (pressure side) 160 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... + 110 ° C Ambient temperature -20 ° C ... + 60 °

	C Minimum viscosity 1.2 mm² / s Maximum viscosity 600 mm² / s Speed range depending on pressure, viscosity and drive power
VC 1 K1 F1 P2 HH	Gear flow meter Materials Housing material nodular cast iron EN-GJS 400 Material measuring mechanism steel 1.7139 Material O-rings FKM Bearing ball bearing Product data Pulse volume 1.036 cc / pulse Line connection subplate mounting Electronic output 2 square wave signals, offset by 90 ° Electrical connection plastic angle plug - terminal strip High temperature version Supply voltage 24 V DC ± 20% Specific dates Flow measuring range 0.4 ... 80 l / min Measuring mechanism start-up at 0.02 l / min Linearized measuring accuracy ± 0.3% of the measured value (with viscosity: min. 20 mm² / s) Repeatability ± 0.05% Resolution 965.25 pulses / l max.permissible pressure 480 bar Operating medium temperature -40 ° C ... +150 ° C Ambient temperature -40 ° C .... + 80 ° C max. foreign particle size 20 µm
KF 12 RF 1	Gear pump Materials Housing material gray cast iron EN-GJL 250 Material end cover gray cast iron EN-GJL 250 Gearbox material case-hardened steel Material seals NBR Shaft seal Radial shaft seal Bearing multi-layer plain bearing P10 Product data Geometric delivery volume 12.58 cm³ / r Right direction of rotation (view of shaft end) Mounting type DIN flange Front bearing no Line connection threaded connection G 3/4 " Shaft end cylindrical ø 14mm integrated valve no Any installation position Specific dates Operating pressure (suction side) -0.4 ... + 6 bar (max 750 rpm), -0.4 ... + 5 bar (max 1000 rpm) -0.4 ... + 4 bar (max 1500 rpm), - 0.4 ... + 3 bar (max 2000 rpm) -0.4 ... + 2 bar (max 3000 rpm), -0.4 ... +1.5 bar (max 3600 rpm) max.operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... + 90 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 1.4 mm² / s (max. 3 bar) 6 mm² / s (max. 12 bar) 12 mm² / s (max. Operating pressure) Maximum viscosity depending on

	suction conditions, speed and Drive power Speed range 200 ... 3600 rpm (depending on pressure, viscosity and drive power)
QX 52-040-R	INTERNAL GEAR PUMP
VC 1 K1 F1 P2 HH	P.0129190001 Gear flow meter VC 1 K1 F1 P2 HH Nomenclature number: 90261081 Net weight position: 5,300 kg Materials Housing material nodular cast iron EN-GJS 400 Material measuring mechanism steel 1.7139 Material O-rings FKM Bearing ball bearing Product data Pulse volume 1.036 cc / pulse Line connection subplate mounting Electronic output 2 square-wave signals, offset by 90 ° Electrical connection plastic angle plug - terminal strip High temperature version Supply voltage 24 V DC ± 20% Specific dates Flow measuring range 0.4 ... 80 l / min Measuring mechanism start-up at 0.02 l / min Linearized measuring accuracy ± 0.3% of the measured value (with viscosity: min. 20 mm² / s) Repeatability ± 0.05% Resolution 965.25 pulses / l max.permissible pressure 480 bar Operating medium temperature -40 ° C ... +150 ° C Ambient temperature -40 ° C .... + 80 ° C max. foreign particle size 20 µm
VC 1 G1 P1 P2 SH	Gear flow meter Materials Housing material nodular cast iron EN-GJS 400 Material measuring mechanism steel 1.7139 Material O-rings FEP Tungsten carbide plain bearings Product data Pulse volume 1.036 cc / pulse Line connection subplate mounting Electronic output 2 square wave signals, offset by 90 ° Electrical connection plastic angle plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific dates Flow measuring range 0.3 ... 60 l / min Measuring mechanism start-up at 0.02 l / min Linearized measuring accuracy ± 0.5% of the measured value (with viscosity: min. 100 mm² / s) Repeatability ± 0.05% Resolution 965.25 pulses / l max.permissible pressure 480 bar Operating medium temperature -40 ° C ... + 80 ° C Ambient temperature -40 ° C .... + 80 ° C max. size of foreign particles 30 µm
3100151914 VC 0,2 C1 F1 P2 SH	

VC 0,025 G2 K3 R2 SH	763 / 5000 Çeviri sonuçları Gear flow meter Housing material stainless steel 1.4404 Material measuring mechanism stainless steel 1.4462 Material O-rings FFKM Tungsten carbide plain bearings Product data Pulse volume 0.025 cm³ / pulse Line connection pipe connection G1 / 8 " Electronic output 2 square wave signals, offset by 90 ° Electrical connection plastic angle plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific dates Flow measuring range 0.02 ... 2 l / min Measuring mechanism start-up at 0.001 l / min Linearized measuring accuracy ± 3% of the measuring mechanism (with viscosity: min. 100 mm² / s) Repeatability ± 0.05% Resolution 40,000 pulses / l max.permissible pressure 480 bar Operating medium temperature -15 ° C ... + 80 ° C Ambient temperature -15 ° C ... + 80 ° C max. size of foreign particles 30 µm
KF 32 RF 2 - D 15	Gear Pump Materials Housing material gray cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material case-hardened steel Material seals FKM Shaft seal Radial shaft seal Bearing multi-layer plain bearing P10 Product data Geometric delivery volume 32.12 cm³ / r Direction of rotation to the right (view of shaft end) Mounting type DIN flange Front bearing no Line connection Flange connection SAE 1 1/2 " Shaft end cylindrical ø 24mm integrated valve D-valve 0 ... 15 bar Any installation position Specific dates Operating pressure (suction side) -0.4 ... + 6 bar (max 750 rpm), -0.4 ... + 5 bar (max 1000 rpm) -0.4 ... + 4 bar (max 1500 rpm), - 0.4 ... + 3 bar (max 2000 rpm) -0.4 ... + 2 bar (max 3000 rpm), -0.4 ... +1.5 bar (max 3600 rpm) max.operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... +150 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 1.4 mm² / s (max. 3 bar) 6 mm² / s (max. 12 bar) 12 mm² / s (max. Operating pressure) Maximum viscosity depending on suction conditions, speed and Drive power Speed range 200 ... 3600 rpm

	(depending on pressure, viscosity and drive power)
KF 4/125 G10B P00 7DP2 + DKF 4 D 08	Gear pump P.0075250061 Materials Housing material gray cast iron EN-GJL 250 Material Integrated valve gray cast iron EN-GJL 250 Material of flange cover gray cast iron EN-GJL 250 Gearbox material case-hardened steel Material seals FKM Shaft seal Radial shaft seal Bearing multi-layer plain bearing P10 Product data Geometric delivery volume 129.00 cm³ / r Direction of rotation to the right (view of shaft end) Type of mounting flange KF 4 / ... Front bearing no Line connection Flange connection KF 4 / ... - DN 50 Shaft end cylindrical ø 24mm integrated valve DKF valve 08, 4 ... 8 bar Specific dates Operating pressure (suction side) -0.4 ... +1 bar max.operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... +150 ° C Ambient temperature -20 ° C ... + 60 ° C Minimum viscosity 1.4 mm² / s (max. 3 bar) 6 mm² / s (max. 12 bar) 12 mm² / s (max. Operating pressure) Maximum viscosity depending on suction conditions, speed and Drive power Speed range 200 ... 2000 rpm (depending on pressure, viscosity and drive power)
VC 0,2 C1 F1 P2 SH	Gear flow meter P.0128080001 Materials Housing material nodular cast iron EN-GJS 400 Material measuring mechanism steel 1.7139 Material O-rings FKM Bearing ball bearing Product data Pulse volume 0.245 cm³ / pulse Line connection subplate mounting Electronic output 2 square wave signals, offset by 90 ° Electrical connection plastic angle plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific dates Flow measuring range 0.16 ... 16 l / min Measuring mechanism start-up at 0.01 l / min Linearized measuring accuracy ± 0.5% of the measured value (with viscosity: min. 50 mm² / s) Repeatability ± 0.05% Resolution 4081.63 pulses / l max.permissible pressure 480 bar Operating medium temperature -40 ° C ... +120 ° C Ambient temperature -40 ° C .... + 80 ° C max. size of foreign particles 30 µm

KP 1/8 G10A K0A 4NL2	P.0034120031 Paint C2 RAL 7024 Materials; Housing material aluminum Material end cover nodular cast iron EN-GJS 400 Material flange cover nodular cast iron EN-GJS 400 Gearbox material case-hardened steel Material seals FKM Bearing bearing glasses with multi-material plain bearings Product data Geometric delivery volume 7.93 cm³ / r Shaft seal Radial shaft seal Right direction of rotation (view of shaft end) Mounting type G - rectangular 4-hole flange, LA = 72/100, Ø Z = 80 Front bearing no Line connection A - Ø 20 with LK 40 / Ø 15 with LK 35 -M6 Shaft end K - cone 1: 5 Ø17 / 160 Nm max Specific dates Minimum speed [1 / min] at p> 100 bar 500 Operating pressure (suction side) - 0.4 ... + 2 bar Maximum speed [1 / min] 4000 max.operating pressure (pressure side) 250 bar (depending on viscosity, speed and drive power) Min. Operating pressure suction side [bar] - 0.4 Operating medium temperature + 100 ° C Max. Operating pressure suction side [bar] at nmin 27 Ambient temperature -20 ° C ... + 60 ° C Max. Operating pressure pressure side [bar] 300 Minimum viscosity 10 mm² / s Maximum viscosity 600 mm² / s Min. Media temperature [° C] -15 Speed range 200 ... 4000 rpm (at FKM) Max. Medium temperature [° C] 100 Min. Ambient temperature [° C] -15 Max. Ambient temperature [° C] 60
WL 4 SF 06 P1 E 1 Z 20500 (KOMPL.)	0107430042 Directional control valve
BT 4 BZ 0CK 51/21	P.0139630002
KF 6 RF 7/74	Zahnradpumpe
SEAL SET KF 2.5 ... 25 - D DRW DR FKM	
SPV 10 R1G 1 A 07	Pressure relief valve
	Gear flow meter Materials Housing material nodular cast iron EN-GJS 400 Material measuring mechanism steel 1.7139 Material O-rings FKM Tungsten carbide plain bearings Product data Pulse volume 0.00580 cm³ / pulse Line connection subplate mounting Electronic output 2 square wave signals, offset by 90 ° Electrical connection, axial connector M12 (4-pin) Supply voltage 24 V DC ± 20% Specific dates Flow measuring range 0.3 ... 60 l

VC 1 G1 F1 P5 E2500	/ min Measuring mechanism starts up at 0.02 l / min Linearized measuring accuracy ± 0.5% of the measured value (with viscosity: min. 100 mm² / s) Repeatability ± 0.05% Resolution 172,366 pulses / l (with simple evaluation) 689,465 pulses / l (with 4-fold evaluation) max.permissible pressure 480 bar Operating medium temperature -20 ° C ... + 80 ° C Ambient temperature -20 ° C ... + 80 ° C max. foreign particle size 30 µm The offered volume counter is the successor fully interchangeable.
120LT/DK-2,2KW 1500D/D	
16G10AK002ML1	
4/125G10BP00 7DP1	
560613	
900-0902	
A.0103710008	
ART. NR. P.0053330007	
AS8-I-230 (A.0091160003)	
B.0023140002	
B.0075140001	
B.0076850033	
B.0077080039	
B.0077080050	
B.0077080067	
B.0130000009	
B.0130000022	
B.0132920002	
B.0132920005	
B.0161850012	
B.0171760021	
B.0195730013	
B.0200140019	
B.0225200011	

B.0247360002	
B.8048009031	
B.8058009040	
BT 3 BZ OBK 51	
BT 6 BZ 0BK 51	
KP 1/11 M20A K0A 4NL2	Paint finish C2 RAL 7024 Materials Housing material aluminum End cover material: nodular cast iron EN-GJS 400 Material flange cover nodular cast iron EN-GJS 400 Gear material: steel, case-hardened Material seals FKM Storage bearing glasses with multi-material plain bearings Product data Geometric delivery volume 10.89 cm³/r Shaft sealing radial shaft seal Direction of rotation left (view of shaft end) Mounting type M - square 2-hole flange, LA = 60/60, Ø Z = 50 Front bearing no Line connection A - Ø 20 with LK 40 / Ø 15 with LK 35 -M6 Shaft end K - cone 1: 5 Ø17 / 160 Nm max Specific data Minimum speed [1/min] at p > 100 bar 500 Operating pressure (suction side) -0.4...+2 bar Maximum speed [1/min] 3500 max. operating pressure (pressure side) 250 bar (depending on viscosity, speed and drive power) Min. operating pressure suction side [bar] -0.4 Operating medium temperature +100°C Max. operating pressure suction side [bar] at nmin 27 Ambient temperature -20°C...+60°C Max. operating pressure pressure side [bar] 300 Minimum viscosity 10 mm²/s Maximum viscosity 600 mm²/s Min. media temperature [°C] -15 Speed range 200...4000 rpm (at FKM) Max. media temperature [°C] 100 Min. ambient temperature [°C] -15 Max. ambient temperature [°C] 60
DKF 4 A 08	
E.0000850001	
HVF 25 C2F 1 A 012	
HVF 40 C2F 1 A 003	
HVF 40 C2F 1 A 012	
INT-2011 / KP 0/*K1OS MOA 5LL	
KF 0/1 S10K P0A 0DL2/100	

KF 0/1 S10K P0A 0DL2/44
KF 0/1 S10K P0A 0DL32/107
KF 0/3 S10K P0A 0DL2/44
KF 0/4 S10K P0A 0DL32/107
KF 1/20 D10K P0A 7DE2
KF 1/20 L10E S00 0DE2/197
KF 1/4 D10K P0A 0DE32
KF 1/8 D10K P0A 0DD1+ DKF1A04
KF 12 RG 10-D15
KF 16 RF 1
KF 2.5... 200
KF 2.5...630
KF 2/40 E10B P0A 0DP1 (P.0075200002)
KF 2/50 E10B P0A 0DP1
KF 2/50 E30B P0B 0KP2/44
KF 20 RF 2 - D 15
KF 3/100...KF 6/730
KF 32 RF 1-D15
KF 4/125...KF 6/730
KF 4/150 G10B NOO 7GP43/153
KF 4/180 G10B P00 7DP1 + DKF 4 A 08
KF 4/180 G10B P0A 7DP1
KF 5/250 H30B P0B 0DP2/44
KF 5/315 H10B P0A 0DP1 (P.0075270003)
KF 6/630 P20B H0A 7DP1/143
KF 63 RF 1 - GJS
KF 730 ... 1500
KF 8 RF 2
KF 80 RF 1
KF10 RF 2

KF12RG10-MSA75/10	
KF16 RF1-D15	
KF2/50 Nr.270277-3	
KF3/63-KF3/112 GP55/153 (OEM)	
KF4/180 G10B A00 ODP1	
KF 6 RF 7	P.0131040023 gear pump materials Material housing cast iron EN-GJL 250 Material end cover cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals FKM Shaft seal Double radial shaft seal with connection option for liquid template Liquid reservoir must be ordered separately Storage Multi-layer plain bearing P10 product data Geometric delivery volume 6.38 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection threaded connection G 3/4" Shaft end cylindrical ø 14mm integrated valve no Installation position of shaft end horizontal, connection for liquid seal at top Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
KF-8 RF1-D15	
KF80 RG1	
KFF 2.5...200 for Fuels	
KF-F100LF2-/158-D15GJS	
KF-F100LF2-/158-D25GJS	
KF-F100LF2-/232-D15GJS	
KF-F100LF2-/232-D25GJS	

KF-F100LF5-/158-D15GJS
KF-F100LF5-/158-D25GJS
KF-F100LF5-/232-D15GJS
KF-F100LF5-/232-D25GJS
KF-F100RF2-/158-D15GJS
KF-F100RF2-/158-D25GJS
KF-F100RF2-/232-D15GJS
KF-F100RF2-/232-D25GJS
KF-F100RF5-/158-D15GJS
KF-F100RF5-/158-D25GJS
KF-F100RF5-/232-D15GJS
KF-F100RF5-/232-D25GJS
KF-F10LF2-/158-D15GJS
KF-F10LF2-/158-D25GJS
KF-F10LF2-/232-D15GJS
KF-F10LF2-/232-D25GJS
KF-F10LF5-/158-D15GJS
KF-F10LF5-/158-D25GJS
KF-F10LF5-/232-D15GJS
KF-F10LF5-/232-D25GJS
KF-F10RF2-/158-D15GJS
KF-F10RF2-/158-D25GJS
KF-F10RF2-/232-D15GJS
KF-F10RF2-/232-D25GJS
KF-F10RF5-/158-D15GJS
KF-F10RF5-/158-D25GJS
KF-F10RF5-/232-D15GJS
KF-F10RF5-/232-D25GJS
KF-F112LF2-/158-D15GJS
KF-F112LF2-/158-D25GJS

KF-F112LF2-/232-D15GJS
KF-F112LF2-/232-D25GJS
KF-F112LF5-/158-D15GJS
KF-F112LF5-/158-D25GJS
KF-F112LF5-/232-D15GJS
KF-F112LF5-/232-D25GJS
KF-F112RF2-/158-D15GJS
KF-F112RF2-/158-D25GJS
KF-F112RF2-/232-D15GJS
KF-F112RF2-/232-D25GJS
KF-F112RF5-/158-D15GJS
KF-F112RF5-/158-D25GJS
KF-F112RF5-/232-D15GJS
KF-F112RF5-/232-D25GJS
KF-F12LF2-/158-D15GJS
KF-F12LF2-/158-D25GJS
KF-F12LF2-/232-D15GJS
KF-F12LF2-/232-D25GJS
KF-F12LF5-/158-D15GJS
KF-F12LF5-/158-D25GJS
KF-F12LF5-/232-D15GJS
KF-F12LF5-/232-D25GJS
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KF-F12RF5-/232-D25GJS
KF-F16LF2-/158-D15GJS

KF-F16LF2-/158-D25GJS
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KF-F16LF2-/232-D25GJS
KF-F16LF5-/158-D15GJS
KF-F16LF5-/158-D25GJS
KF-F16LF5-/232-D15GJS
KF-F16LF5-/232-D25GJS
KF-F16RF2-/158-D15GJS
KF-F16RF2-/158-D25GJS
KF-F16RF2-/232-D15GJS
KF-F16RF2-/232-D25GJS
KF-F16RF5-/158-D15GJS
KF-F16RF5-/158-D25GJS
KF-F16RF5-/232-D15GJS
KF-F16RF5-/232-D25GJS
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KF-F2.5LF2-/158-D25GJS
KF-F2.5LF2-/232-D15GJS
KF-F2.5LF2-/232-D25GJS
KF-F2.5LF5-/158-D15GJS
KF-F2.5LF5-/158-D25GJS
KF-F2.5LF5-/232-D15GJS
KF-F2.5LF5-/232-D25GJS
KF-F2.5RF2-/158-D15GJS
KF-F2.5RF2-/158-D25GJS
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KF-F2.5RF2-/232-D25GJS
KF-F2.5RF5-/158-D15GJS
KF-F2.5RF5-/158-D25GJS
KF-F2.5RF5-/232-D15GJS

KF-F2.5RF5-/232-D25GJS
KF-F20LF2-/158-D15GJS
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KF-F20LF2-/232-D25GJS
KF-F20LF5-/158-D15GJS
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KF-F20RF5-/232-D15GJS
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KF-F32LF2-/158-D25GJS
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KF-F32LF5-/158-D15GJS
KF-F32LF5-/158-D25GJS
KF-F32LF5-/232-D15GJS
KF-F32LF5-/232-D25GJS
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KF-F6LF5-/158-D15GJS
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KF-F80LF5-/158-D15GJS
KF-F80LF5-/158-D25GJS
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KF-F8LF2-/232-D15GJS
KF-F8LF2-/232-D25GJS
KF-F8LF5-/158-D15GJS
KF-F8LF5-/158-D25GJS
KF-F8LF5-/232-D15GJS

KF-F8LF5-/232-D25GJS
KF-F8RF2-/158-D15GJS
KF-F8RF2-/158-D25GJS
KF-F8RF2-/232-D15GJS
KF-F8RF2-/232-D25GJS
KF-F8RF5-/158-D15GJS
KF-F8RF5-/158-D25GJS
KF-F8RF5-/232-D15GJS
KF-F8RF5-/232-D25GJS
KFMO/2,5 A10K P00 0DL2/154 X
KP 0/2 K10S M0A 8ML1
KP 1/11 G10A K0A 4VL2/245
KP 1/11 M20A KXF 4NL1/271 +
KP 1/16 F10A K0A 4NL1 (W.0032390025)
KP 1/3 F20A K0A 4NL1
KP 1/5,5 F20A K0A 4NL1
KP1/16G10AK0A 4NL1
KP1/3F20A KOA4NL1
KP1/8 G20A XOA 4NL2
KPO.2K 10S
L.0017010379
L.0017090104
L.0017090104 O-RING
L.0017090113 O-RING
L.0017090162 O-RING
L.0033010020
L.0066000349
L.0091007009
M.1212090015
M.1517180020
MOUNTED-2

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P.0036070016
P.0051090008
P.0053330002
P.0053360007
P.0053390012
P.0055590001
P.0059700014
P.0074640121
P.0074640121 / KF 2/32 E10B P00 0DP1 + DKF 2 A 25
P.0074660003
P.0074660041
P.0074660063
P.0075270003
P.0075280073
P.0075370061
P.0076940003
P.0077640001
P.0077710001
P.0078670002
P.0089010005
P.0101700015
P.0101980004
P.0103430004
P.0104570004
P.0109530014
P.0115910001
P.0115950002
P.0127970001

P.0127970003
P.0127970005
P.0127970023
P.0128070001
P.0128640001
P.0129040010
P.0129230004
P.0129230009
P.0129230011
P.0129230041
P.0129230044
P.0129230045
P.0130960008
P.0131040027
P.0131040039
P.0131300066
P.0131880001
P.0132190002
P.0132190003
P.0132190005
P.0132190045
P.0132190045KF80RF2-D15
P.0132280029
P.0135220002
P.0135610001
P.0136180001
P.0136210026
P.0138300169
P.0139110001 / VCA 2 FC R1
P.014012002

P.0140630001
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P.0140790001 VC 0,04 F1 PS
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P.0143080001
P.0143310001
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P.0148560064
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P.0153580003
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P.0157900029
P.0158530024
P.0159030003
P.0159530004
P.0161310006
P.0161320007
P.0162620048
P.0164190024
P.0164191024
P.0164450002
P.0165080001
P.0166340001
P.0171380001
P.0173550001
P.0176820001

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P.0193030048
P.0194550040
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P.9921110005
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P0036070014 KP 2/25 S10A Y00 4DL1
PRM2-063Z11/30-24
PT 300-A-080-144
QT42-032 R
SPV 10 A1G 1 A 12 (P.9933630013)
SPV10 A1G 1A 12
SPV10A1G1A05
SPVF 20 A1G 1 A 12
SPVF 20 K1G1A12
SPVF 25 C2F 1 A 12

SPVF 40 A1G 1 A 12
SPVF 40 A1G 1 A 20
SPVF 40 C1G 1 A 05
SPVF 50 A1G 1 A 12
SPVF.10A1G1A
SPVF.10A1G1A05
SPVF.10A1G1A12
SPVF.10A1G1A20
SPVF.10A2F1A
SPVF.10A2F1A05
SPVF.10A2F1A12
SPVF.10A2F1A20
SPVF.10B1G1A
SPVF.10B1G1A05
SPVF.10B1G1A12
SPVF.10B1G1A20
SPVF.10B2F1A
SPVF.10B2F1A05
SPVF.10B2F1A12
SPVF.10B2F1A20
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SPVF.10C1G1A12
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SPVF.10C2F1A20
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SPVF.25A1G1A12

SPVF.25A1G1A20
SPVF.25A2F1A
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SPVF.25B1G1A20
SPVF.25B2F1A
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SPVF.25B2F1A20
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SPVF.25C1G1A05
SPVF.25C1G1A12
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SPVF.25C2F1A05
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SPVF.40B1G1A05
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SPVF.80C2F1A
SPVF.80C2F1A02
SPVF.80C2F1A05
SPVF.80C2F1A12
SPVF.80C2F1A20
Uberholsatz fur KF 3/80 F20B M0A 7DP1
VC 0,04 F1 PS
VC 0,2 E1 PS
VC 0,2 F1 PO 512
VC 0,4 F1 PS /71
VC 0.04 F 3 R S/71
VC 0.2 P4 PS
VC 04 F4.PS 101 (C 04 URETIM TARIHINI GOSTERMEKTEDIR)
VC 04 F4.PS 101 (M 03 URETIM TARIHINI GOSTERMEKTEDIR)

VC 1 F1 PH P.0129190001	
VC 1 F1 PS /55	
VC 1 F1 PS /71	
VC 1 F4 PS	
VC 1 F4 PS /101	
VC 3 F2 RS /104	
VC 5 F1 PS	
VC0.1F1PS/71	
VC1 F4 PS/101J-06	
VCA 0,2 EA R1	
VCA 0,2 FB R1 (P.0165080001)	
VCA 0.2 FA R1 B-08	
VCA 2 M5 F4 R1 SH	P.0139110001 Gear flow meter materials Material housing Aluminum AlMgSi F30 hard-coated Material measuring mechanism Steel 1.7139 Material O-rings FKM Storage multi-layer plain bearing (P10) product data Pulse volume 2.0 cc/pulse Line connection Pipe connection G3/4" Electronic output 1 square wave signal Electrical connection Angled plastic plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific Dates Flow rate range 1...65 l/min Measuring mechanism start at 0.12 l/min Linearized measuring accuracy ± 2.5% of the measured value (at viscosity: min. 20 mm²/s) Repeatability ± 0.05% Resolution 500 pulses/l max. permissible pressure 200 bar Equipment temperature -10°C...+80°C Ambient temperature -10°C...+80°C max. foreign particle size 30 µm
VCA/2FCR1/81	
VCA/2FCR1/91	
W.0012200007	
W.0012200024	
W.0012210153	

W.0032390003	
W.0034120021	
W.0034120027	
W.0139900007	
W.0149750004	
W.0162510029	
W.4119067000	
W.5016005505	
W.8098709000	
W6076B4407	
WL4AN 10 P2 EG0Z 23050 P.0142110103	
P .0129230008	
SPVF 50 A 2F 1 A32	Pressure Relief Valve SPVF direct operated
KF-12 RF 7	GEAR PUMP TANK PUMP FAN) FAN IMAGES ARE ATTACHED - (2 FAN= 1 SET) GLUCOSE MELTING TANK PUMP FANS)
KF 40 RF 1/197 - D 15	gear pump materials Material housing cast iron EN-GJL 250 Material end cover cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals NBR Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 40.21 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection Flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm integrated valve D-valve 0...15 bar Version noise-optimized for liquids with increased air content Any installation position Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum

	viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
KF 40 LG 15 - D 15	B.0202800002 pump-unit-without-motor Commodity number: 84136031 Net weight position: 21,400 kg PUMP ASSEMBLY CONSISTING OF: GEAR FEED PUMP KF 40 LG 15 - D 15 MAGNETIC CLUTCH MSC 75/10 A2-FKM IEC/BG132
SPVF 50 A2F 1 A 05	pressure relief valve materials Material housing cast iron EN-GJL 300 Material seal O-ring NBR product data Nominal size 50 Design spool valve - directly controlled Type of fastening in pipeline Line connection Flange connection SAE 2" Type of actuation adjustment screw Execution without Specific Dates max. flow rate Q 550 l/min maximum operating pressure 100 bar Pressure setting range 2...5 bar Equipment temperature -20°C...+80°C Ambient temperature -20°C...+60°C Minimum viscosity 1.2 mm²/s Maximum viscosity 1000 mm²/s 1500 mm²/s (Qmax = 50% QN, pmax = 75% pN)
SOP 26560 R2	
KF500RF1-EM1450/	18,5KW
KF 25 RF 1	gear pump Commodity number: 84136031 Net weight position: 18.050 kg materials Material housing cast iron EN-GJL 250 Material end cover cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals NBR Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 25.10 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection threaded connection G 1" Shaft end cylindrical ø 14mm integrated valve no Any installation position Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and

	drive power) Equipment temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
KF 12 RF 2 - D 15	gear pump materials Material housing cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals FKM Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 12.58 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection threaded connection G 3/4" Shaft end cylindrical ø 14mm integrated valve D-valve 0...15 bar Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power
0162970001	high-pressure gear pump Commodity number: 84136020 Net weight position: 14 kg MOTOR PUMP UNIT ATEX KM 1/11 Q20A X0A 4NL2+ KP 1/20 F10B X00 2KL2/427+ spacer - UNIOILER with mounted according to customer specifications (the customer is liable for transport damage) ATEX-KM
ATEX-KM	EU DECLARATION OF CONFORMITY ACCORDING TO DIRECTIVE 2014/34/EU
	high pressure gear motor P.0049350007 materials Material

KM 2/50 G30A K00 4DL1/150	housing cast iron EN-GJL 300 Material flange cover gray cast iron EN-GJL 300 Gearbox material Steel, case-hardened Material seals NBR Storage Multi-layer plain bearing P10 product data displacement 50 cm³/rev Shaft seal Radial shaft seal Direction of rotation right and left Mounting type G - rectangular 4-hole flange, LA = 102/145, Ø Z = 105 Outlay storage no Line connection A/V - Ø 26 with LK 55 - M8 Leakage oil connection 1/4" at the front in the bottom flange Shaft end K - taper 1: 5 Ø25 / 500 Nm max Specific Dates Operating pressure (inlet side) 210 bar max. operating pressure (outlet side) 150 bar Equipment temperature +90°C Ambient temperature -20°C...+60°C Minimum viscosity 10 mm²/s Maximum viscosity 1000 mm²/s Speed range 300...3000 rpm (depending on pressure, viscosity and drive power)
KF 16 RF 1 - D 15	gear pump P.0129230007 materials Material housing cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals NBR Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 16.09 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection threaded connection G 1" Shaft end cylindrical ø 14mm integrated valve D-valve 0...15 bar Any installation position Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power) Commodity number: 84136031 Net weight position: 4,300 kg

P.0147270001	materials Material housing ductile iron EN-GJS 400 Material measuring mechanism Steel 1.7139 Material O-rings FKM Bearing ball bearing product data Pulse volume 3.0 cc/pulse Line connection panel mounting Electronic output without preamplifier (for SD 1 plug-on display) Electrical connection Angled plastic plug - terminal strip Standard temperature version Specific Dates Flow measurement range 0.6...160 l/min Measuring mechanism start at 0.03 l/min Linearized measuring accuracy ± 0.3% of the measured value (at viscosity: min. 20 mm²/s) Repeatability ± 0.05% Resolution 333.33 pulses/l max. permissible pressure 350 bar Equipment temperature -40°C...+120°C Ambient temperature -40°C....+80°C max. foreign particle size 20 µm
A.0103710001	plug-on display SD1-I-24 product data Power supply 24 VDC Display 7-segment LED, four digits, with floating point Keyboard Two buttons behind the front panel Specific Dates Electrical input (counter) 1 counter input (single-channel or two-channel) Data displayed Flow rate Electrical output (analogue) 0...20 mA or 4...20 mA
SPV 10 A1G 1 A 12	P.9933630013 pressure relief valve materials Material housing cast iron EN-GJL 300 Material seal O-ring NBR product data Nominal size 10 Design spool valve - directly controlled Type of fastening in pipeline Line connection threaded connection G 1/2" Type of actuation adjustment screw Execution without Specific Dates max. flow rate Q 40 l/min maximum operating pressure 120 bar Pressure setting range 4...12 bar Equipment temperature -20°C...+80°C Ambient temperature -20°C...+60°C Minimum viscosity 1.2 mm²/s Maximum viscosity 1000 mm²/s 1500 mm²/s (Qmax = 50% QN, pmax = 75% pN)
	high-pressure gear pump Commodity number: 84136031 Net weight position: 3 kg materials Material housing aluminium Material end cover ductile iron EN-GJS 400 Material flange cover ductile iron EN-GJS 400 Gearbox material Steel, case-hardened Material seals FKM Bearing Bearing brackets

KP 1/3 G10A K0A 4NL2	with multi-material plain bearings product data Geometric delivery volume 3.00 cm³/r Shaft seal Radial shaft seal Direction of rotation clockwise (view of shaft end) Mounting type G - rectangular 4-hole flange, LA = 72 /100, Ø Z = 80 Outlay storage no Line connection A - Ø 15 with LK 40 / Ø 15 with LK 35 -M6 Shaft end K - taper 1: 5 Ø17 / 160 Nm max Specific Dates Minimum speed [1/min] at p > 100 bar 600 Operating pressure (suction side) -0.4...+2 bar Maximum speed [1/min] 4000 max. operating pressure (pressure side) 250 bar (depending on viscosity, speed and drive power) Min. operating pressure suction side [bar] -0.4 Equipment temperature +100°C Max. operating pressure suction side [bar] at nmin 27 Ambient temperature -20°C...+60°C Max. operating pressure pressure side [bar] 300 Minimum viscosity 10 mm²/s Maximum viscosity 600 mm²/s Min. media temperature [°C] -15 Speed range 200...4000 rpm (at FKM) Max. media temperature [°C] 100 Min. ambient temperature [°C] -15 Max. ambient temperature [°C] 60
Model-04815596	
P.0127330009	gear pump KF 25 RF 1 materials Material housing cast iron EN-GJL 250 Material end cover cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals NBR Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 25.10 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection threaded connection G 1" Shaft end cylindrical ø 14mm integrated valve no Any installation position Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating

	pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
asr 20- 4f-4a0-pb	CONTROL UNIT ASR20-4F-4AO-PB (4 CONTROL CIRCUITS) SMS ROLL GAP LUBRICATION SETPOINT 4-20mA/10-500ml
KF 32 RF 1 P.0127970001	gear pump materials Material housing cast iron EN-GJL 250 Material end cover cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals NBR Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 32.12 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection Flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm integrated valve no Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power) Commodity number: 84136031 Net weight position: 8.120 kg
	P.0156940009 Hochdruck-Zahnradmotor Werkstoffe Material Gehause Aluminum Material Abschlussdeckel Sphäroguss EN-GJS 400 Material Flanschdeckel Sphäroguss EN-GJS 400 Material Getriebe Stahl, einsatzgehärtet Material Dichtungen FKM Lagerung Lagerbrillen mit Mehrstoff-Gleitlager productdaten Schluckvolumen 22 cm³/L wellenabdichtung ohne Drehrichtung rechts (Blick auf Wellenende) Befestigungsart L - Quadrat-2-Loch-Flansch, LA = 60/60, Ø Z = 52 mit O-Ring vorsatzlager nein

KM 1/22 L10A F0A 4NL2/413 - ATEX	Leitungsanschluss A - Ø 20 mi LK 40 / Ø 15 mi LK 35 -M6 Leckölanschluss ohne Wellenende F - Flachzapfenwelle / 40 Nm max Spezifische Daten Betriebsdruck (Zulaufseite) 150 bar max. Betriebsdruck (Ablaufseite) 120 bar Betriebsmitteltemperatur + 70°C Umgebungstemperatur -20°C...+40°C Mindestviskosität 10 mm²/s Maximalviskosität 600 mm²/s Drehzahlbereich 200...3000 UpM (abhängig von Druck, Viskosität und Antriebsleistung) ATEX Technical File Reference TFR: 04.04X Zündschutzkennzeichnung Gas II 2G Ex h IIA T3 Gb + EU DECLARATION OF CONFORMITY ACCORDING TO DIRECTIVE 2014/34/EU
SPVF 25 C2F 1 A 05	pressure relief valve materials Material housing cast iron EN-GJL 300 Material seal O-ring FKM product data Nominal size 25 Design spool valve - directly controlled Type of fastening in pipeline Line connection Flange connection SAE 1" Type of actuation adjustment screw Execution without Specific Dates max. flow rate Q 90 l/min maximum operating pressure 120 bar Pressure setting range 2...5 bar Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.2 mm²/s Maximum viscosity 1000 mm²/s 1500 mm²/s (Qmax = 50% QN, pmax = 75% pN)
KF 63 RF 1 - D 15	P.0132190004 gear pump materials Material housing cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals NBR Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 63.18 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection Flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm integrated valve D-valve 0...15 bar Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -

	20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
KF 25RF1-0,75 Kw	
P.0144390001	Gear Pump KF 5/200 H10B P0A 0DP1/197 Materials Material Housing Grey cast iron EN-GJL 250 Material End cover Grey cast iron EN-GJL 250 Material Flange cover Grey cast iron EN-GJL 250 Material Gears Steel, case hardened Seal material NBR Shaft sealing Single radial lip-type seal Bearing Multi component sleeve bearings P10 Product data Geometrical Displacement 204,00 cm³/r Direction of rotation clockwise (seen on shaft end) Type of fixation Flange KF 5/... Outboard bearing no Type of pipe connection Flange connection SAE 2 1/2" Shaft end cylindrical ø 28mm integrated valve no Version noise optimized for fluids with increased air percentage Specific data Operating pressure (suction side) -0,4...+1 bar max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and power) Fluid temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depending on suction conditions, speed and power Speed range 200...2000 rpm (depending on pressure, viscosity and power)
	BG-KF 40 LG 15 - D 15 materials Material housing cast iron EN-GJL 250 Material end cover cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals FKM Shaft seal prepared for magnetic coupling, with flushing Storage Multi-layer plain bearing P10 product data Geometric delivery volume 40.21 cm³/r Direction of rotation left (view of shaft end) Mounting type DIN flange Yes Line connection Flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm integrated valve D-valve 0...15 bar Any

B.0161850012	installation position Specific Dates Operating pressure (suction side) dependent on the magnetic coupling max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
A.0103710005	SD1-K-24 plug-on display product data Power supply 24 VDC Display 7-segment LED, four digits, with floating point Keyboard Two buttons behind the front panel Specific Dates Electrical input (counter) 1 counter input (single-channel or two-channel) Data displayed Flow rate Electrical output (digital) two programmable relay contacts
P.0128070001	Gear flow meter VC1G1F1P2SH materials Material housing ductile iron EN-GJS 400 Material measuring mechanism Steel 1.7139 Material O-rings FKM Bearing Carbide plain bearings product data Pulse volume 1.036 cc/pulse Line connection panel mounting Electronic output 2 square-wave signals, offset by 90° Electrical connection Angled plastic plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific Dates Flow measurement range 0.3...60 l/min Measuring mechanism start at 0.02 l/min Linearized measuring accuracy ± 0.5% of the measured value (at viscosity: min. 100 mm²/s) Repeatability ± 0.05% Resolution 965.25 pulses/l max. permissible pressure 480 bar Equipment temperature -40°C...+80°C Ambient temperature -40°C....+80°C max. foreign particle size 30 µm
P.0089020003	pressure relief valve SPVF 80 C2F 1A 12 Material housing cast iron EN-GJL 300 Material seal O-ring FKM product data Nominal size 80 Design spool valve - directly controlled Type of fastening in pipeline Line connection Flange connection SAE 3" Type of actuation adjustment screw Execution without Specific Dates max. flow rate

	Q 800 l/min maximum operating pressure 80 bar Pressure setting range 4...12 bar Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.2 mm²/s Maximum viscosity 1000 mm²/s 1500 mm²/s (Qmax = 50% QN, pmax = 75% pN)
Kracht VC0.04	
P.0162970001	MOTOR PUMP UNIT ATEX KM 1/11 Q20A X0A 4NL2+ KP 1/20 F10B X00 2KL2/427+ spacer - UNIOILER with mounted according to customer specification
P.0163520035	KM 1/11 Q20A X0A 4NL2 materials Material housing aluminium Material end cover ductile iron EN-GJS 400 Material flange cover ductile iron EN-GJS 400 Gearbox material Steel, case-hardened Material seals FKM Bearing Bearing brackets with multi-material plain bearings product data Displacement 11 cc/U Shaft seal Radial shaft seal Direction of rotation left (view of shaft end) Mounting type Q - square 2-hole flange, LA = 60/60, Ø Z = 52 with O-ring Outlay storage no Line connection A - Ø 20 with LK 40 / Ø 15 with LK 35 -M6 Leakage oil connection without Shaft end X - toothed shaft profile B 17x14, DIN 5482 / 70 Nm max Specific Dates Operating pressure (inlet side) 250 bar max. operating pressure (outlet side) 120 bar Equipment temperature + 70°C Ambient temperature -20°C...+40°C Minimum viscosity 10 mm²/s Maximum viscosity 600 mm²/s Speed range 200...3000 rpm (depending on pressure, viscosity and drive power) ATEX Technical File Reference TFR: 04.04X Ignition protection marking Gas II 2G Ex h IIC T3 Gb Ignition protection marking Dust II 2D Ex h IIIB T200°C Db
ATEX-KM	EU DECLARATION OF CONFORMITY ACCORDING TO DIRECTIVE 2014/34/EU
	P.0129230059 materials Material housing cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals FKM Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric

KF 25 LF 2 - D 15	delivery volume 25.10 cm³/r Direction of rotation left (view of shaft end) Mounting type DIN flange Outlay storage no Line connection threaded connection G 1" Shaft end cylindrical ø 14mm integrated valve D-valve 0...15 bar Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
B.0130000022	SEAL SET KF 2.5...25 - D FKM
P.0167400044	gear pump KF 8 RF 2/158 - D 15 materials Material housing cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals FKM Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 8.05 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection Flange connection SAE 3/4" Shaft end cylindrical ø 14mm integrated valve D-valve 0...15 bar Any installation position Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and

~~GEAR PUMP KF80BF7 coupled with E-MOTOR~~ VC 3 GEAR FLOW METER	~~AGM2E132M65~~
KF 5/250 H20B N0A 0VP1/197	materials Material housing ductile iron EN-GJS 400 Material end cover ductile iron EN-GJS 400 Material flange cover ductile iron EN-GJS 400 Gearbox material Steel, case-hardened Material seals NBR Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 255.00 cm³/r Direction of rotation left (view of shaft end) Type of fastening flange KF 5/... Yes Line connection Flange connection KF 5/... - DN 75 Shaft end cylindrical ø 28mm integrated valve no Version noise-optimized for liquids with increased air content Specific Dates Operating pressure (suction side) -0.4...+1 bar max. operating pressure (pressure side) 20 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...2000 rpm (depending on pressure, viscosity and drive power)
KF 0/1 S10K P0A 0DL2/44	P.0104560003 gear pump materials Material housing cast iron EN-GJL 250 Material end cover cast iron EN-GJL 250 Material flange cover gray cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals FKM Shaft seal Double radial shaft seal with connection option for liquid template Liquid reservoir must be ordered separately Storage Multi-layer plain bearing P10 product data Geometric delivery volume 1.00 cm³/r Direction of rotation clockwise (view of shaft end) Type of mounting flange KF 0/... Outlay storage no Line connection threaded connection G 3/8" Shaft end cylindrical ø 10mm integrated valve no Any installation position Specific Dates Operating pressure (suction side) -0.4...+2 bar max. operating pressure (pressure side) 120 bar (depending on the medium, viscosity and delivery volume) Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 10

	mm²/s Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3000 rpm (depending on pressure, viscosity and drive power)
KF 5/315 H10B N00 0VP29 + DKF 5 L 16	Storage Multi-layer plain bearing P10 product data Geometric delivery volume 321.00 cm³/r Direction of rotation clockwise (view of shaft end) Type of fastening flange KF 5/... Yes Line connection Flange connection KF 5/... - DN 75 Shaft end cylindrical ø 28mm integrated valve DKF valve 16, 8...16 bar Any installation position Specific Dates Operating pressure (suction side) -0.4...+10 bar max. operating pressure (pressure side) 16 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...2000 rpm (depending on pressure, viscosity and drive power)
KP 1/5,5 F20A K0A 4NL1	C2 RAL 7024 Fastening type F - square 2-hole flange, LA = 60/60, Ø Z = 50 Outlay storage no Line connection A - Ø 15 with LK 40 / Ø 15 with LK 35 -M6 Shaft end K - taper 1: 5 Ø17 / 160 Nm max Specific Dates Minimum speed [1/min] at p > 100 bar 500 Operating pressure (suction side) -0.4...+2 bar Maximum speed [1/min] 4000 max. operating pressure (pressure side) 250 bar (depending on viscosity, speed and drive power) Min. operating pressure suction side [bar] -0.4 Equipment temperature +90°C Max. operating pressure suction side [bar] at nmin 27 Ambient temperature -20°C...+60°C Max. operating pressure pressure side [bar] 300 Minimum viscosity 10 mm²/s Maximum viscosity 600 mm²/s Min. media temperature [°C] -20 Speed range 200...3000 rpm (at NBR) Max. media temperature [°C] 90 Min. ambient temperature [°C] -20 Max. ambient temperature [°C] 60
	gear pump materials Material housing cast iron EN-GJL 250 Material end cover cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals FKM Shaft seal prepared for magnetic

BG-KF 63 RG 15	coupling, with flushing Storage Multi-layer plain bearing P10 product data Geometric delivery volume 63.18 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Yes Line connection Flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm integrated valve no Any installation position Specific Dates Operating pressure (suction side) dependent on the magnetic coupling max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
1305942/2	
KF 40 RF 2 - D 15	materials Material housing cast iron EN-GJL 250 Material Integrated valve cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals FKM Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 40.21 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection Flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm integrated valve D-valve 0...15 bar Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)

KF 4 RF 1	P.0127330001 materials Material housing cast iron EN-GJL 250 Material end cover cast iron EN-GJL 250 Gearbox material Steel, case-hardened Material seals NBR Shaft seal Radial shaft seal Storage Multi-layer plain bearing P10 product data Geometric delivery volume 4.03 cm³/r Direction of rotation clockwise (view of shaft end) Mounting type DIN flange Outlay storage no Line connection threaded connection G 3/4" Shaft end cylindrical ø 14mm integrated valve no Any installation position Specific Dates Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm),-0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Equipment temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
KP 0/3 K10S M0A 8ML1	P.0149880003 Outlay storage no Line connection S - G 3/8 Shaft end M - taper 1:8 Ø 10 / 25 Nm Specific Dates Minimum speed [1/min] at p > 100 bar 700 Operating pressure (suction side) -0.3...+2.5 bar Maximum speed [1/min] 4000 max. operating pressure (pressure side) 210 bar Equipment temperature + 85°C Min. operating pressure suction side [bar] -0.4 Max. operating pressure suction side [bar] at nmin 2 Max. operating pressure pressure side [bar] 260 Ambient temperature -20°C...+60°C Minimum viscosity 10 mm²/s Maximum viscosity 1000 mm²/s Speed range 700...4000 rpm Min. media temperature [°C] -20 Speed range (depending on pressure, viscosity and drive power) Max. media temperature [°C] 85 Min. ambient temperature [°C] -20 Max. ambient temperature [°C] 60
	Front bearing no Line connection flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm integrated valve no

KF 40 RF 7	Specific data Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm), -0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating fluid temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity dependent on intake conditions, speed and drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
KP 1/16 G10A X0A 4NL1	Line connection A - Ø 20 with LK 40 / Ø 15 with LK 35 -M6 Shaft end X - splined shaft profile B 17x14, DIN 5482 / 70 Nm max Specific data Operating pressure (suction side) -0.4...+2 bar max. operating pressure (pressure side) 250 bar (depending on viscosity, speed and drive power) Operating medium temperature +90°C Ambient temperature -20°C...+60°C Minimum viscosity 10 mm²/s Maximum viscosity 600 mm²/s Speed range 200...3000 rpm (at NBR)
SPVF 25 C2F 1 A 02	Materials Housing material: gray cast iron EN-GJL 300 Material seal O-ring FKM Product data Nominal size 25 Slide valve design - directly controlled Type of fastening in pipeline Line connection flange connection SAE 1" Actuation type adjustment screw Version without Specific data max. flow Q 90 l/min max. operating pressure 120 bar Pressure setting range 0.5...2.5 bar Operating fluid temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.2 mm²/s Maximum viscosity 1000 mm²/s 1500 mm²/s (Qmax = 50% QN, pmax = 75% pN)
	Materials Housing material: gray cast iron EN-GJL 250 Material end cover: gray cast iron EN-GJL 250 Material flange cover gray cast iron EN-GJL 250 Gear material: steel, case-hardened Material seals NBR Shaft sealing radial shaft seal Storage multi-layer plain bearing P10 Product data Geometric delivery volume 153.00 cm³/r Direction

KF 4/150 G10B P0A 7DP1	of rotation right (view of shaft end) Mounting type flange KF 4/... Front bearing no Line connection flange connection SAE 2" Shaft end cylindrical ø 24mm integrated valve no Specific data Operating pressure (suction side) -0.4...+1 bar max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depends on intake conditions, speed and Drive power Speed range 200...2000 rpm (depending on pressure, viscosity and drive power)
A.0103710005	
KF 25 LF 2 - D 15	Gear pump Materials Housing material: gray cast iron EN-GJL 250 Material integrated valve gray cast iron EN-GJL 250 Gear material: steel, case-hardened Material seals FKM Shaft sealing radial shaft seal Storage multi-layer plain bearing P10 Product data Geometric delivery volume 25.10 cm³/r Direction of rotation left (view of shaft end) Mounting type DIN flange Front bearing no Line connection thread connection G 1" Shaft end cylindrical ø 14mm Integrated valve D-valve 0...15 bar Specific data Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm), -0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating fluid temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depends on intake conditions, speed and Drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
	Gear pump P.0104560003 Materials Housing material: gray cast iron EN-GJL 250 Material end cover: gray cast iron EN-GJL 250 Material flange cover gray cast iron EN-GJL 250 Gear material: steel, case-hardened Material

KF 0/1 S10K P0A 0DL2/44	seals FKM Shaft sealing double radial shaft seal with connection option for liquid supply Liquid storage container must be ordered separately Storage multi-layer plain bearing P10 Product data Geometric delivery volume 1.00 cm³/r Direction of rotation right (view of shaft end) Mounting type flange KF 0/... Front bearing no Line connection thread connection G 3/8" Shaft end cylindrical ø 10mm integrated valve no Any installation position Specific data Operating pressure (suction side) -0.4...+2 bar max. operating pressure (pressure side) 120 bar (depending on the medium, viscosity and delivery volume) Operating fluid temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 10 mm²/s Maximum viscosity depends on intake conditions, speed and Drive power Speed range 200...3000 rpm (depending on pressure, viscosity and drive power)
VCA 2 M5 F4 P1 SH	P.0165330001 Gear flow meter Materials Material housing aluminum AlMgSi F30 hard-coated Measuring mechanism material steel 1.7139 Material O-rings FKM Storage multi-layer plain bearing (P10) Product data Pulse volume 2.0 cm³/pulse Line connection panel structure Electronic output 1 square wave signal Electrical connection plastic angle plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific data Flow measuring range 1...65 l/min Measuring mechanism start-up at 0.12 l/min Linearized measuring accuracy ± 2.5% of the measured value (at viscosity: min. 20 mm²/s) Repeatability ± 0.05% Resolution 500 pulses/l max. permissible pressure 200 bar Operating medium temperature -10°C...+80°C Ambient temperature -10°C...+80°C max. foreign particle size 30 µm
	KF 40 RF 7 Materials Housing material: gray cast iron EN-GJL 250 Material end cover: gray cast iron EN-GJL 250 Gear material: steel, case-hardened Material seals FKM Shaft sealing double radial shaft seal with connection option for liquid supply Liquid storage container must be ordered separately Storage multi-layer plain bearing P10 Product

P.0136180002	data Geometric delivery volume 40.21 cm³/r Direction of rotation right (view of shaft end) Mounting type DIN flange Front bearing no Line connection flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm integrated valve no Specific data Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm), -0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating fluid temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depends on intake conditions, speed and Drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
KF 50 RF 2/197 - D 15	Materials Housing material: gray cast iron EN-GJL 250 Material integrated valve gray cast iron EN-GJL 250 Gear material: steel, case-hardened Material seals FKM Shaft sealing radial shaft seal Storage multi-layer plain bearing P10 Product data Geometric delivery volume 50.20 cm³/r Direction of rotation right (view of shaft end) Mounting type DIN flange Front bearing no Line connection flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm Integrated valve D-valve 0...15 bar Noise-optimized design for liquids with an increased air content Any installation position Specific data Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm), -0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating fluid temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depends on intake conditions, speed and Drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)

A.0247810001	Gear pump KF 1250 RF 1 - DV B 25 - GJS Pump carrier PT 450-A-152.4-262 coupling RG 48-Z56/55-Z56/60 Sprocket PUR 92 Sh-A
P.0266770001	Alternatively, just the pump without bellhousing and coupling: Gear pump KF 1250 RF 1 - DV B 25 - GJS Materials Housing material: nodular cast iron EN-GJS 400 Material integrated valve nodular cast iron EN-GJS 400 Material flange cover nodular cast iron EN-GJS 400 Gear material: steel, case-hardened Material seals NBR Shaft sealing radial shaft seal Storage multi-layer plain bearing P10 Product data Geometric delivery volume 1236.20 cm³/r Direction of rotation right (view of shaft end) Mounting type SAE D 4-hole flange Front bearing no Line connection flange connection KF 1250-1500 - DN 160 Shaft end cylindrical ø 55mm Integrated valve DV B valve 3...25 bar Any installation position Specific data Operating pressure (suction side) -0.4...+5 bar(max. 750 rpm), -0.4...+4 bar(max. 1000 rpm) -0.4...+2.5 bar(max. 1500 rpm), -0.4...+1.5 bar(max. 2000 rpm) max. operating pressure (pressure side) 20 bar (depending on viscosity, speed and drive power) Operating medium temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depends on intake conditions, speed and Drive power Speed range 200...2000 rpm (depending on pressure, viscosity and drive power)
	Gear pump P.0133530014 Materials Housing material: gray cast iron EN-GJL 250 Material end cover: gray cast iron EN-GJL 250 Gear material: steel, case-hardened Material seals FKM Shaft sealing radial shaft seal Storage multi-layer plain bearing P10 Product data Geometric delivery volume 8.30 cm³/r Direction of rotation right and left Mounting type DIN flange Front bearing no Line connection thread connection G 3/4" Shaft end cylindrical ø 14mm integrated valve no Installation position: horizontal shaft end, connection for liquid supply at top Specific data Operating pressure

KF 8 BF 7	(suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm), -0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating fluid temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depends on intake conditions, speed and Drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
EXTERNAL GEAR ; KF 0/1 S10K POA ODL2/44 ;	
P.0127690002	Gear flow meter VC 0.2 K1 E1 P2 SH Materials Housing material: nodular cast iron EN-GJS 400 Measuring mechanism material steel 1.7139 Material O-rings EPDM Bearing ball bearing Product data Pulse volume 0.245 cm³/pulse Line connection panel structure Electronic output 2 square wave signals, offset by 90° Electrical connection plastic angle plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific data Flow measuring range 0.16...16 l/min Measuring mechanism start-up at 0.01 l/min Linearized measuring accuracy ± 0.3% of the measured value (at viscosity: min. 20 mm²/s) Repeatability ± 0.05% Resolution 4081.63 pulses/l max. permissible pressure 480 bar Operating medium temperature -40°C...+120°C Ambient temperature -40°C...+80°C max. foreign particle size 20 µm
	KF 32 RF 7 Materials Housing material: gray cast iron EN-GJL 250 Material end cover: gray cast iron EN-GJL 250 Gear material: steel, case-hardened Material seals FKM Shaft sealing double radial shaft seal with connection option for liquid supply Liquid storage container must be ordered separately Storage multi-layer plain bearing P10 Product data Geometric delivery volume 32.12 cm³/r Direction of rotation right (view of shaft end) Mounting type DIN flange Front bearing no Line connection flange connection SAE 1 1/2" Shaft end cylindrical ø 24mm integrated valve no

P.0136180001	Specific data Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm), -0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating fluid temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depends on intake conditions, speed and Drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
VC 0,2 G1 F1 P2 SH /101	P.0150030001 Gear flow meter Materials Housing material: nodular cast iron EN-GJS 400 Measuring mechanism material steel 1.7139 Material O-rings FKM Storage carbide plain bearings Product data Pulse volume 0.245 cm³/pulse Line connection panel structure Electronic output 2 square wave signals, offset by 90° Electrical connection plastic angle plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific data Flow measuring range 0.16...16 l/min Measuring mechanism start-up at 0.01 l/min Linearized measurement accuracy ± 0.5% of the measured value (at viscosity: min. 100 mm²/s) Repeatability ± 0.05% Resolution 4081.63 pulses/l max. permissible pressure 480 bar Operating medium temperature -40°C...+80°C Ambient temperature -40°C...+80°C max. foreign particle size 30 µm
VCA 2 M5 F4 R1 SH /81	P.0141850001 Materials Material housing aluminum AlMgSi F30 hard-coated Measuring mechanism material steel 1.7139 Material O-rings FKM Storage multi-layer plain bearing (P10) Product data Pulse volume 2.0 cm³/pulse Line connection Pipe connection G3/4" Electronic output 1 square wave signal Electrical connection plastic angle plug - terminal strip Standard temperature version Supply voltage 24 V DC ± 20% Specific data Flow measuring range 1...65 l/min Measuring mechanism start-up at 0.04 l/min Linearized measuring accuracy ± 2.5% of the measured value (at

	viscosity: min. 20 mm²/s) Repeatability ± 0.05% Resolution 500 pulses/l max. permissible pressure 200 bar Operating medium temperature -10°C...+80°C Ambient temperature -10°C...+80°C max. foreign particle size 30 µm
KF 25 RF 1	Materials Housing material: gray cast iron EN-GJL 250 Material end cover: gray cast iron EN-GJL 250 Gear material: steel, case-hardened Material seals NBR Shaft sealing radial shaft seal Storage multi-layer plain bearing P10 Product data Geometric delivery volume 25.10 cm³/r Direction of rotation right (view of shaft end) Mounting type DIN flange Front bearing no Line connection thread connection G 1" Shaft end cylindrical ø 14mm integrated valve no Any installation position Specific data Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm), -0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating medium temperature -20°C...+90°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depends on intake conditions, speed and Drive power Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
KP 1/16 G10A X0A 4NL1	Materials Housing material aluminum End cover material: nodular cast iron EN-GJS 400 Material flange cover nodular cast iron EN-GJS 400 Gear material: steel, case-hardened Material seals NBR Storage bearing glasses with multi-material plain bearings Product data Geometric delivery volume 15.87 cm³/r Shaft sealing radial shaft seal Direction of rotation right (view of shaft end) Mounting type G - rectangular 4-hole flange, LA = 72 /100, Ø Z = 80 Front bearing no Line connection A - Ø 20 with LK 40 / Ø 15 with LK 35 -M6 Shaft end X - splined shaft profile B 17x14, DIN 5482 / 70 Nm max Specific data Operating pressure (suction side) -0.4...+2 bar

	max. operating pressure (pressure side) 250 bar (depending on viscosity, speed and drive power) Operating medium temperature +90°C Ambient temperature -20°C...+60°C Minimum viscosity 10 mm²/s Maximum viscosity 600 mm²/s Speed range 200...3000 rpm (at NBR)
Gear motor with valve combination	KM 1/11 L2LA F00 4NM1/324 + TKM 1 D1D 22 A 200 E00/S03 Materials Housing material aluminum Material flange cover nodular cast iron EN-GJS 400 Gear material: steel, case-hardened Material seals NBR Storage bearing glasses with multi-material plain bearings Product data Displacement volume 11 cm³/rev Shaft sealing radial shaft seal Direction of rotation left (view of shaft end) Mounting type G - rectangular 4-hole flange, LA = 72 /100, Ø Z = 80; in connection with front bearing Front bearing L - Light Line connection A - Ø 15 with LK 35 - M6 Leakage oil connection 1/4" Shaft end K - cone 1: 5 Ø17 / 40 Nm max (in conjunction with front bearing) Product data valve Valve function TKM mechanically temperature controlled Version TKM valve 45°C high pressure (22 1D) Specific data Operating pressure (inlet side) 200 bar max. operating pressure (outlet side) 120 bar Operating medium temperature +90°C Ambient temperature -20°C...+60°C Minimum viscosity 10 mm²/s Maximum viscosity 600 mm²/s Speed range 200...4000 rpm
MS-A1121-0025	HİDRO-NORM TEKNİK GEAR FEED PUMP:PE SOP51/110L PUMP SUPPORTER:PL250/18/92 COUPLING:RG48/60-Z56/32-Z56/35 SPROCKET:FD250/WD35X70 HELICAL GEARED MOTOR IN VERSION:IE3 POWER:4KW VOLTAGE: 400/690V 50HZ SPEED:76RPM
VC 0.2 K1 E1 P2 SH	
SPVF 40 C 2F	
	KF 6 RF 7 - D 15 Gear pump Net weight position: 3,900 kg Materials Housing material: gray cast iron EN-GJL 250 Material integrated valve gray cast iron EN-GJL 250 Gear material: steel, case-hardened Material seals FKM Shaft sealing double radial shaft seal with

P.0139480043	connection option for liquid supply Liquid storage container must be ordered separately Storage multi-layer plain bearings Product data Geometric delivery volume 6.38 cm³/r Direction of rotation right (view of shaft end) Mounting type DIN flange Front bearing no Line connection thread connection G 3/4" Shaft end cylindrical ø 14mm Integrated valve D-valve 0...15 bar Installation position: horizontal shaft end, connection for liquid supply at top Specific data Operating pressure (suction side) -0.4...+6 bar (max 750 rpm), -0.4...+5 bar (max 1000 rpm) -0.4...+4 bar (max 1500 rpm), -0.4...+3 bar (max 2000 rpm) -0.4...+2 bar (max 3000 rpm), -0.4...+1.5 bar (max 3600 rpm) max. operating pressure (pressure side) 25 bar (depending on viscosity, speed and drive power) Operating fluid temperature -20°C...+150°C Ambient temperature -20°C...+60°C Minimum viscosity 1.4 mm²/s (max. 3 bar) 6 mm²/s (max. 12 bar) 12 mm²/s (max. operating pressure) Maximum viscosity depends on intake conditions, speed and Speed range 200...3600 rpm (depending on pressure, viscosity and drive power)
Spv.10.10a1g1a12	
P.0101980004 Hochdruck-Zahnradpumpekp 2/32 S10f U00 4vl1	
Montiert-1	
P.0053360004 Druckbegrenzungsventilspvf 80 A2f 1 A 20	
Spvf.40c1g1a02	
Vcg2fcp2	
Kf 50 Rw 2 - D 15 P.0134550043	
Spvf.25c2f1a02	
(P.0135470001) Vc 1 F1 Ps /55	
Ufpe-700-V3	
Spv.10.10c1g1b12	
Wl4-Fz-10-Xp7-Ho-K6	
Vc 1 F1 Ph	
P0140820001	

P.9008600001 Druckbegrenzungsventildruckbegrenzungsventil,Vorgesteuerthv 10 A1g 1 A 003
P.0127690002
Ra24k1817z3014
Spvf.10c1g1a02
Kf12 Rf 2
E.0056080001
P.0159030003 , Type Vc 0,04 P8 Rx
Repair Kit For Kf5/250
Vc 0,2 F6 Px P.0165100001
B.0074670001
P.0076940003 Druckbegrenzungsventilspv 10 C1g 1 A 12
Vc 0,04 F1 Ps /71
Kp 1/14 G10a Kxf 4nl2
Kf5/250h10bp0a0dp1
P.0165080001 Zahnrad-Durchflussmesservca 0,2 Fb R1
Spv.10.10b1g1b12
B.0200140010
Kf 12 Rf 1 - D 15 (P.0129230006)
Spv 10 C1g 1 A 05
Spvf.80c1g1a02
Art. Nr. A.0103710005 , Type Sd1-K-24
Vc5f1ph
E.0078600001
Spvi 40c101a05 Reduction Fuel System Valve
410-050-014
410-070-031
P.0074200004 Druckbegrenzungsventilspvf 25 C1g 1 A 12
Kp1/16 F10a K0a
B.0130000001 Dichtsatz Kf 2,5...25 Nbr
P.0053330008

Spvf.10a2f1a02
Kf 16 Rf1 P.0127330007
Spv10a1g1a12
Vc1f1ps
Kp1/11 F10a K00 2kl2 Vg:11
Spvf 25 A1g 1 A 05
Spvf.40a2f1a02
Kff 25 Rg 5/421-D15 Oem
Spv 10 A1g1 A05 - , By Spv 10 A1g 1 A 07 P.9933630017
Vc 0.025 F1 Ps
Figure 2, Pos.8
Vc 0,2 F1 Ps P.0127690001
Spvf.80b1g1a02
Hydr. Ventil158165000 09.12aer 2,32 R2
W.5016005500
Vca 2 Fb R1v (P.0214530001)
Ktp600
Kf 5/315 H10b P0a 0dp1
Bt 3 Bz Obk 51 Zahnradpumpe
P.0230050004 Zahnradpumpe Kp 2/32 S10f K00 4vl1
Spv.10.10c1g1b05
B.0130000022 Dichtsatz Kf 2,5...25 - D Fkm
P.0059700014 Hochdruck-Zahnradpumpekp 1/8 F10a K00 2kl2
410-070-020
Plate For Pump Kp1 16g10ak002ml1 Obsolete, Replaced By Kp 1/16 G10a K0a 4nl1
E.0075870001
As8-I-230 A.0091160003
L.0091007009 , Type K-130/3-E-10 / Ptb 03 Atex 2094 X
P.0246720001
Spvf.80a1g1a02

Kf 0/0,8 S10k P0a 0dl2/100
P.0186920049
P.0131040039 Zahnradpumpekf 25 Lf 7
B.0075650008 Dichtsatzkf 5 Flansch...2 + Dkf D. P-Welle
N.0068850010
Vc 0,2 F1 Pv P.0144300001
Spvf.50c2f1a02
Vc 3 F1 Ps (P.0143150001)
Spv.10.10a1g1a02
P0129230004
P.0074200002
P.0132190005 Zahnradpumpekf 80 Rf 1 - D 15
P.0159390015
Kf25rf1
Ra 19/24-Z25/14-Z25/24
As8-I-230
Spvf.80a2f1a02
Kf4rf1-D15
Kf4/Rf4
Dkf 2 A/08
Spv 10 C1g 1 A 07
B.0076850010
Km 2/32 M20a K00 4dl1 + Tkm 2 D1d 22 A 200 A00/S03
Spvf 50 A2f 1 A 05 P.0053350002
Spv 10 A1g 1 A 07 P.9933630017
Gear flowmeter Statistical commodity code: 90282000 Made in DE Net weight position: 1,900 kg materials Material Housing nodular cast iron EN-GJS 400 Material measuring mechanism steel 1.7139 Material O-rings FKM Storage ball storage product data Pulse volume 0.1 cm³ / pulse Conduit connection plate structure Electronic output 2

Vc 0,1 F1 Ps /71	square-wave signals, 90 ° offset Electrical connection Plastic angle plug - M12x1 plug Standard-temperature version Supply voltage 24 V DC ± 20% Specific data Flow measuring range 0.04 ... 8 l / min Measuring start at 0.008 l / min Linearized measuring accuracy ± 0.3% of the measured value (with viscosity: at least 20 mm² / s) Repeat accuracy ± 0.05% Resolution 10,000 pulses / l Max. permissible pressure 480 bar Operating medium temperature -15 ° C ... + 120 ° C Ambient temperature -15 ° C ... + 80 ° C Max. Foreign particle size 20 µm
P.0074200004 Sicherheitsventil Spvf 25 C1g 1 A 12 H.Pi-536ah-01 Pos. 2,16	
Kf 16 Rf 7 Pumpe	
Kp2/32-Fk004dl1	
Bt 0 Bz 0ac 51	
0075260001	
W.5016005498	
Spv.10.10b1g1a02	
Kf 12 Ug 1 - D 25 - Technically Not Feasible!	
A.0103710001	
Spv.10.10a1g1a05	
P.0136180001 Zahnradpumpekf 32 Rf 7	
Art. Nr. P.0224800001 , Type Vca 0,2 Fb P2v /171	
Spv.10.10a1g1a30	
P.0056030001	
Spv.10.10b1g1b02	
Kf16rf2-D1	
Spvf40aga12	
A.0091160005	
E.0145220020	
Spv.10.10c1g1b30	
As8-U-24/F	
Spvf.25a2f1a02	

Spvf 80 C2f 1 A 12 P.0089020003
Kf4/180g10b Poa 7 Dp 1
P014210003
Kp 2/32 S10f Y00 4dl1 (P.0036070027)
B.0130000025
Spvf.25b1g1a02
Kf 4/150 G20b N0a 7dp29 P.0074850022
Kp2/32g-10ak004dl1
W.0012200076
Vc3f1ph
Kf5/250 H10b Poa Odp1
Spv.10.10c1g1a02
P.0127740001
B.8048009031 Dichtsatzcn-D+d/D-100/60-Gem. Ez-613/4
Spv.10.10a1g1b02
P.0150050001 Gear Type Flow Metervc 1 F4 Ps /101
W.4119067000 Drehstrommmotordsmz 0,55-230/400v50-1450-55-B35-80
Kf63rf1-D15
P.0129230007
L.0036070114
B.0171760021 Zahnradpumpebg-Kf 5/200 H20b N0a 0dp65
Spv.10.10b1g1a12
P.0053340008
Kf 16 Rf2 - D15
Dkf2a16
Vc 0,2 P5 Rv P.0160860003
Kf 0/2 S10k P0a 0dl32/107
0109210001
P.0136180001 Pumpe Kf 32 Rf 7
Vc3f1ps

Kf 0/1,6 S10k P0a 0dl2/107	Art nr. P.0104570004 Statistical commodity code: 84136031 Made in Germany materials Material housing cast iron EN-GJL 250 Material end cover gray cast iron EN-GJL 250 Material Gear steel, chemically nickel-plated with SiC deposits Material O-rings FKM Shaft seal Double radial shaft seal FKM with connection possibility for liquid template Liquid reservoir must be ordered separately Bearings Steel plain bearings ETG 100 chemically nickel-plated with SiC deposits product data Geometric delivery volume 1.6 cm³ / rev Direction of rotation right (view of shaft end) Mounting type flange KF 0 / ... Additional bearing no Conduit connection Thread connection G 1/2 " Shaft end cylindrical ø 10mm integrated valve no Specific data Operating pressure (suction side) -0.4 ... + 2 bar Max. Operating pressure (pressure side) 100 bar (depending on viscosity, speed and drive power) Operating medium temperature -20 ° C ... + 150 ° C Ambient temperature -20 ° C ...
Spv.10.10b1g1a30	
R06mb2	
Kf8 Rf 2	
M.1312100000	
E.0000850001 - Alternative B.0077250026	
Bg-Kf 32 Rg 15 (B.0160040001)	
Vca2 Fc R1/69	
B.0130000021	
Kf 12 Rf 7	
B.0077250026	
Spvf.50a2f1a02	
P.0089010005 Sicherheitsventil	
P.0129230007 Statistische Warennummer: 84136031made In Germanyzahnradpumpekf 16 Rf 1 - D 15	
P.0129230069	
8072-9125-010	

Vc 5 F1 Pv (P.0143530001)
Kf4/180 G10b N00 7dp1
D.0037510001 , C2 Ral 7024 Kp 1/Km 1
B.0130000025 Statistische Warennummer: 84849000made In Germanydichtsatz Kf 2,5...25 - D Glrd6 Rechts
P.0129230009 Pumpezahnradpumpekf 25 Rf 1 - D 15
Vc 0,2 - Al 2 F (P.0140120002)
0032390025
Spvf 20 K1g1a12 Ventil
Spvf.25c1g1a02
O-Ring For Pump Kp1 16g10ak002ml1 Obsolete, Replaced By Kp 1/16 G10a K0a 4nl1
Wl4ap10p1egoz23050
Bush For Pump Kp1 16g10ak002ml1 Obsolete, Replaced By Kp 1/16 G10a K0a 4nl1
Km 2-4dl1 Wdr25/42 + Tkm 2
P.0128090001
Kf 20 Bf 1 (P.0130960008)
K 2/40 E10b N00 0dp1 Vg40
W.0012200266
Kf150rf2-D15
Spv.10.10a1g1b30
Spv10 A1g 1a 12 Ventil
Wl 4 Sf 06 P1 E 6 Z 02400
Wl4-Fz-20-Xd7-H5-G6
Spv.10.10c1g1b02
Spvf.10a1g1a02
Mt711-4
58791 Pumpekp 1/22 G10a Koa 4nl 1
Spvf.80b2f1a02
VC 0.2 F1 PS / 71 Statistical commodity code: 90282000 Made in DE Net weight position 2,18kg Material Housing nodular cast iron EN-GJS 400

Vc 0,2 F1 Ps /71	Material measuring mechanism steel 1.7139 Material O-rings FKM Storage ball storage product data Pulse volume 0.245 cm³ / pulse Conduit connection plate structure Electronic output 2 square-wave signals, 90 ° offset Electrical connection Plastic angle plug - M12x1 plug Standard-temperature version Supply voltage 24 V DC ± 20% Flow measuring range 0.16 ... 16 l / min Measuring start at 0,01 l / min Linearized measuring accuracy ± 0.3% of the measured value (with viscosity: at least 20 mm² / s) Repeat accuracy ± 0.05% Resolution 4081.63 pulses / l Max. permissible pressure 480 bar Operating medium temperature -15 ° C ... + 120 ° C Ambient temperature -15 ° C ... + 80 ° C Max. Foreign particle size 20 µm
For Kp2/20 S20f U00 4vl1 Kracht D58791 Werdohi Pump Repair Kit(Kp2/20 S20f U00 4vl1)	
Kf6 Rf 2	
Kf 3/112 F10b P0a 7dp1	
Spvf.50c1g1a02	
W.0034120027 Hochdruck-Zahnradpumpekp 1/22 G10a K0a 4nl1	
P.0165080002	
P0142180011	
P.0132280029 Statistische Warennummer: 84136031made In Germanyzahnradpumpekf 25 Rw 7	
P.0193830011	
E.0130460001	
P.0074640081	
Kp 5/200 C10k Z00 0de2	
M.1313210000	
P.0172060001	
P0142160007	
Kf4/125/G10b-P0a-7dp1	
Yr.44.00002 35	
B.0132920005 Dichtsatz Kf 32...80 Glrd 6 Rechts	

Kf 12 Ug 1 P.0146460006
W.5016005499
Kp 1/5,5 A10a S0a 4nl1 W.0054440003
P.0074200004
Vc3f1ps/79
Kf 1/24 D30k P0b
Wl4an06p1eozo2400+2vs3-06-Cs+wl4sfz20xd7hog6
Kp 1/11 F1la L00 2kl1
P.0161310006 Druckbegrenzungsventil,Direktgesteuertdbd 10 R3 A 300
Kf 63 Bf
Spv 10 C1g 1 A 12
Spv.10.10b1g1a05
Kp1/8 G20a Xoa 4nl2 Pumpe
Spvf.50b1g1a02
Bt 1 Bz 0bk 51 (P.0055510001)
Vc0.04fips
P.0115950002 Pumpe
P.0077640001 Zahnradpumpekf 3/63 F1xb P0a 7dp1
Kf4-125 G10b P00 7dp1
Kf 2/50 E20b M0a 0dp1 P.0070560006
P.0129230009 Pumpe Kf 25 Rf 1-D 1502.15
P.0129230007 Pumpestatistische Warennummer: 84136031made In Germanyzahnradpumpekf 16 Rf 1 - D 15
P.0127690001
M.1212090015 Drehstrommotordsm-1,5b-230/400-4p-55-B5-90l
P.0139110001
Kf16rf1-D15
Kf2,5rf1-D15
Kf25rf1-D15
W.5016017409

Kp 1/5,5 F10a K0a	
Spvf.50a1g1a02	
Spv.10.10a1g1b12	
Spvf.25b2f1a02	
P.0177330003	
P.0166340001 Zahnrad-Durchflussmesservc 12 F1 Ps	
Bg-Kf 32 Rg 15	
Spvf 25 C1g 1 A 20	
Spvf.10c2f1a02	
W.0012200006	
Vcieips	
Spv.10.10c1g1a12	
W.0012200024 Kupplungra 19/24-Z25/14-Z25/24	
8072-3254-010	
P.0036110034	
Kf 1/2 20d 30k Pobodd1 By Kf 20 Bf 1 (P.0130960008)	
Kf 1/8 D10k P00 7de1 + Dkf 1 A 04	
Kf16-Rf1-D15	
Tm 68 T Fc 040 S	Item No. P.5016013905 Turbine flow meters TM 68 T FC 040 S Made in DE materials Material housing stainless steel 1.4541 Material connecting flanges steel 1.0566 Bearings PTFE plain bearings product data Pulse volume see test certificate Conduit connection Flange connection DIN DN 50 PN 40 Electronic output 1 square wave signal Electrical connection Plastic angle plug - terminal block Standard-temperature version Supply voltage 24 V DC ± 20% Specific data Flow measuring range 113 ... 1133 l / min Linearity ± 0.5% Net weight position: 8,500 kg
Kf4/180g10bp0a7dp1	
P.0056030001 Druckregelventildruckbegrenzungsventi	
Kf 12 Rf 2 - D 15 (P.0129230046)	
P.0150670021	

0127690001
P.0115910001 Getriebe-Pumpef 1/4 D10k P0a 7de1
Spvf.40b1g1a02
Kf 10 Rf 1 (P.0127330005)
P.0127970022
W.0139900007 Hochdruck-Zahnradpumpekp 1/16 K10a M0a 4nl1
A.0091160001
Sd1-I-24
Kf 0/1 S10k P0a 0dl2/100 Pumpe
Vc-0,025-F1ps
Spvf.40b2f1a02
W.0162510029 Zahnrad-Motorkm 1/22 L10a F0a 4nl2/426
Kf8rx2
Kf1/24
Vc 0,2 F1 Ps
P.0095740015
Spvf.50b2f1a02
P.0132190003 Zahnradpumpekf 50 Rf 1 - D 15
B.0200140010 Kupplung Magnetkupplungmsb75-A2-Fkm-Iec90-Kf32-80
Km 1/14 F30a K0b 4nl2/386
? .0129230008
Spv.10.10b1g1b30
Spv.10.10b1g1b05
S7-300
Bt 4 Bz 0bk 51
Puag5925
Spv.10.10c1g1a30
Spvf.10b2f1a02
P.0131040026

L.0017020006 - Alternative B.0077250026	
Tk 04/220	
Kf 25 Rf 1	gear pump Nomenclature number: 84136031 Made in DE Net weight position: 3.610 kg
P.0129230041 Zahnradpumpekf 4 Rf 2 - D 15statistische Warennummer: 84136031	
B.0075650008	
W.0012200007 Kupplungra 19-Z25/14-Z25/19	
Kp 1/4 F10a X0a 4nl1	
L.0010000127	
P.0129230045 Zahnradpumpe Kf 10 Rf 2 - D 15	
Kf5/316 H10b P00 0dp1	
Spvf.10b1g1a02	
Bt 3 Bz Obk 51 Pumpe	
P.0129230009 Zahnradpumpekf 25 Rf 1 - D 15	
Bt 6 Bz 0bk 51 P.0055650001	
P.0129230011 Zahnradpumpekf 4 Lf 1 - D 15	
P.0129230005	
Spvf-20-C1g-1a-02	
Kf 0/1,6 S10k P0a 0dl2/107 (P.0104570004)	
Kf25rfi	
Spvf.40a1g1a02	
P.0144300001	
W.0034120021 Hochdruck-Zahnradpumpekp 1/5,5 G10a K0a 4nl1	
Kf 40 Rf 1/197 - D 15	
N.0068850030	
P.0127330007	
A.0091160272	
B.0074670061	
Kf 1/20 L1de S00 Ode2	

Spv.10.10a1g1b05
B.0132920002 Dichtsatz Kf 32...80 Fkm
Tkm2d1d22a200a00/S03
P.0132190003 Zahnradpumpe Kf 50 Rf 1 - D 15
Kf16rf7 Pompa Ad Ingranaggi
Kf 3/100 F20b P0a 7dp1
E.0001990001
P.0090570003
Spv.10.10c1g1a05
Siwarex
P.0203930081 Pumpezahnradpumpe Kf 5/200 H10b N00 0gp43/172 + Dkf 5 U 16
Kf 50 Rf 5 - D 15 (P.0136250003)
Kp1/5,5 F10ak00 , Kp 1/5,5 F10a K0a
Kp1/16 A10a Koa 4nl1
Kf 3/63 F30b P0b 7dp1 P.0081900001
Spvf.40c2f1a02
P.0135560003
P.0128640001 Zylinder
Spvf.25a1g1a02
P.0053350004 Druckbegrenzungsventilspvf 50 A2f 1 A 20