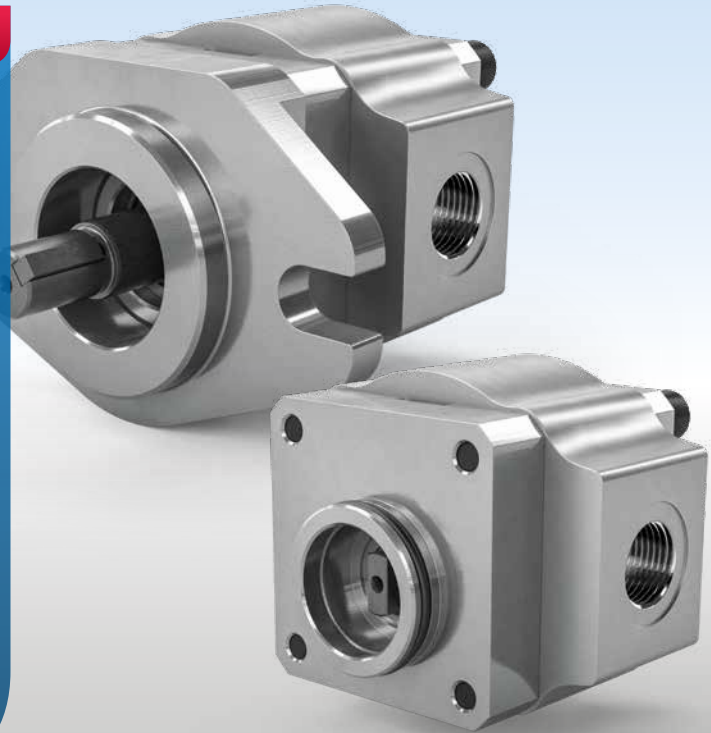


EIPS1

NEW



Internal gear pumps

Technical Data

Rated Size	016	020	025	032	040	050
Spec. volume V_{th} [cm ³ /rev]*	1,6	2,0	2,5	3,2	4,0	5,0
Continuous operating pressure [bar]**			300			250
Peak operating pressure [bar] max. 10 sec. 15 % duty cycle		320			300	
Cut-in pressure peak 100 ms [bar]**			350			
Max. speed [min ⁻¹]			4.000			
Nominal speed [min ⁻¹]			400 – 3.600			
Operating viscosity [mm ² /s]			10 – 300			
Starting viscosity [mm ² /s]			2.000			
Operating temperature [°C]			-20 to +100			
Operating medium			HL – HLP DIN 51 524 Part 1/2			
Max. medium temperature [°C]			120			
Min. medium temperature [°C]			-40			
Max. ambient temperature [°C]			80			
Min. ambient temperature [°C]			-40			
Max. admission pressure (intake side) [bar]			2 bar absolute			
Min. admission pressure (intake side) [bar]			0,8 bar absolute (start 0,6)			
Degree of filtration			Class 20/18/15 due to ISO 4406			
Life expectancy			not less than 1 x 10 ⁶ against peak operating pressure			

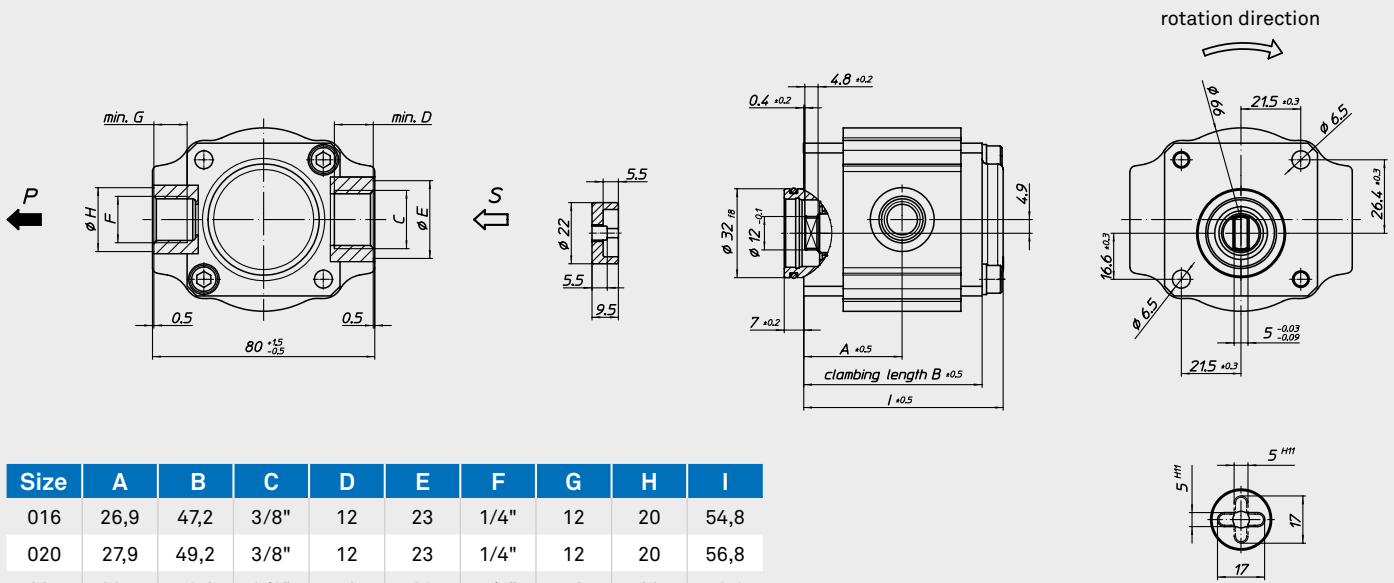
* Due to manufacturing tolerances the displacement volume could vary.

** For acceptable pressure at 400-1,800 rpm. Further rpm on request.

The pumps have no corrosion protection. The max. permissible values must not be applied cumulatively. Please contact us.

Pump with oldham coupling

Ordering example: EIPS1-___RD31-1X

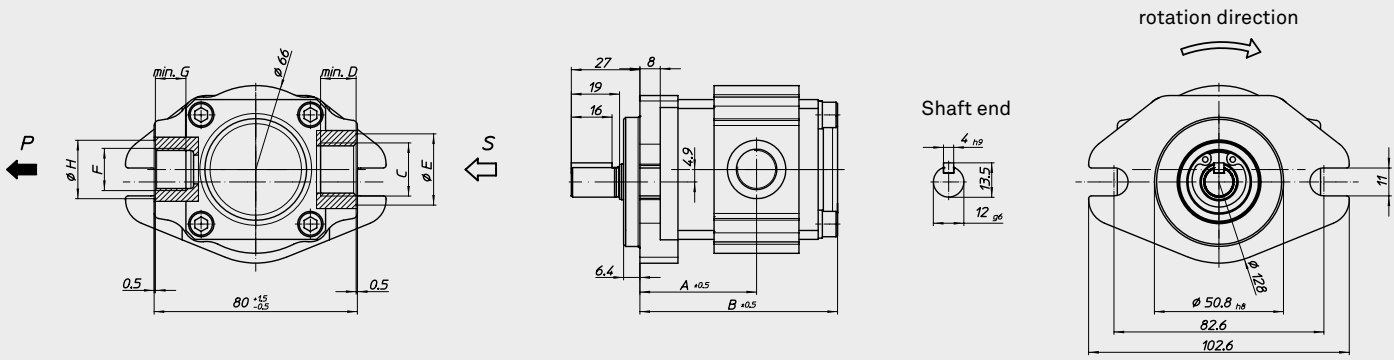


Coupling included in scope of delivery

Size	A	B	C	D	E	F	G	H	I
016	26,9	47,2	3/8"	12	23	1/4"	12	20	54,8
020	27,9	49,2	3/8"	12	23	1/4"	12	20	56,8
025	29,4	52,2	3/8"	12	23	1/4"	12	20	59,8
032	30,9	55,2	1/2"	14	28	3/8"	12	23	62,8
040	32,9	59,2	1/2"	14	28	3/8"	12	23	66,8
050	35,4	64,2	1/2"	14	28	3/8"	12	23	71,8

Pump with SAE/AA-2- bolt flange and straight keyed

Ordering example: EIPS1-___RA01-1X



Size	A	B	C	D	E	F	G	H
016	41,9	69,8	3/8"	12	23	1/4"	12	20
020	42,9	71,8	3/8"	12	23	1/4"	12	20
025	44,4	74,8	3/8"	12	23	1/4"	12	20
032	45,9	77,8	1/2"	14	28	3/8"	12	23
040	47,9	81,8	1/2"	14	28	3/8"	12	23
050	50,4	86,8	1/2"	14	28	3/8"	12	23

EIP S1 - 025 RA01 - 10 SXXX

Special version number

Revision code

1st number: Change of external dimensions
2nd number: Internal modifications

Intake and outlet connection

1: Threaded connector ISO 228
– other connections on request –

Mounting flange

0: SAE-AA-2-Bolt flange Ø 50.8
3: Direct mounting
– other flanges on request –

Shaft end

A: Straight keyed
D: Tang shaft

Rotation direction

R: Clockwise

Rated size

Three digits

Frame size

Type

S: Segmental pump

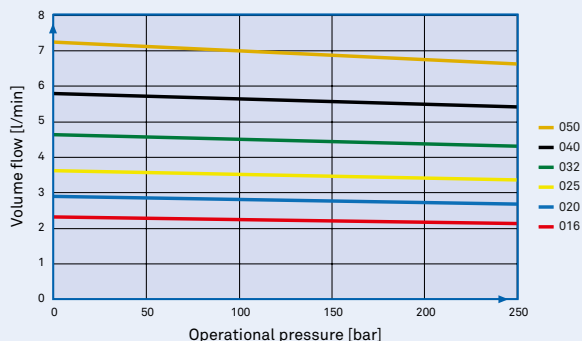
Eckerle internal gear pump

Order example

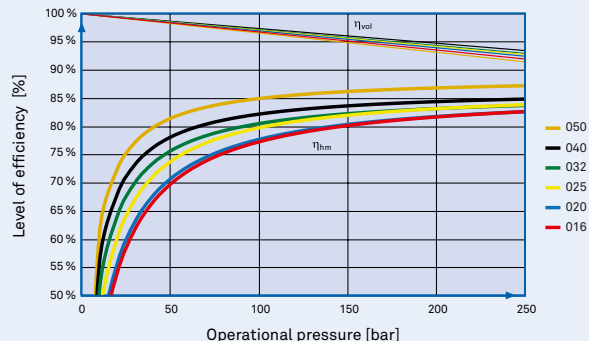
EIPS1 - 050 RD31 - 10

Segmental pump frame size 1 with 5.0 cm³/rev., clockwise rotation, tang shaft, direct mounting, thread port for suction and pressure connection, revision code 10

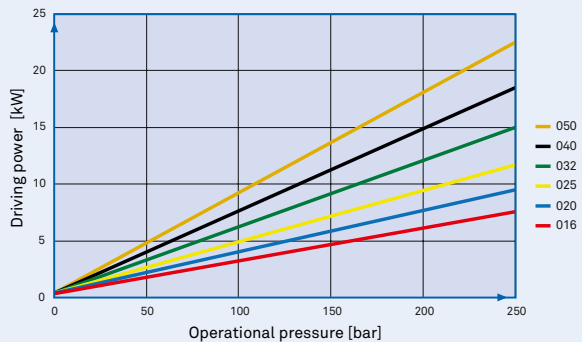
Volume flow



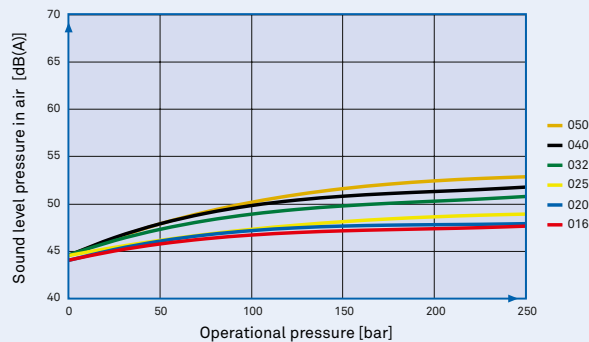
Level of efficiency



Driving power



Sound level pressure in air



All indicated data serve alone the product description and are not as characteristics in the legal sense to be understood. Subject to alterations.