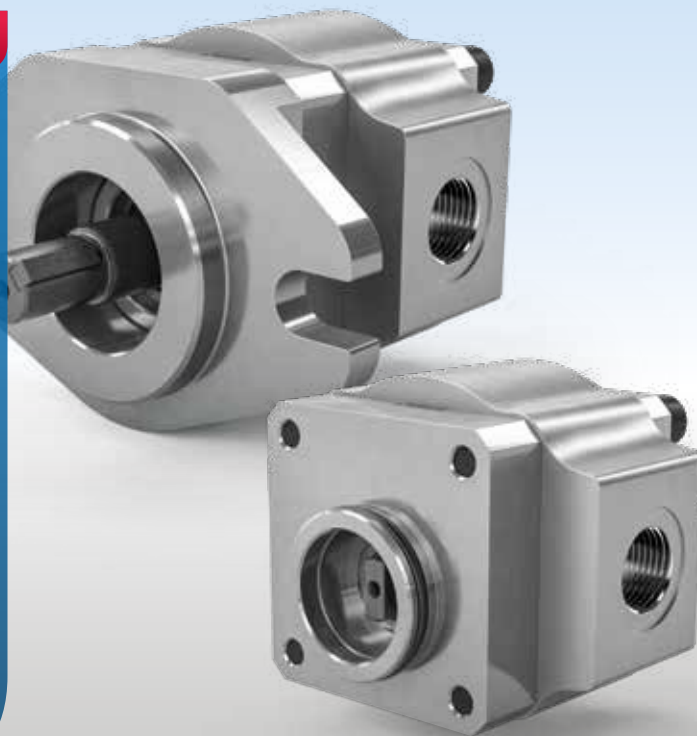


# EIPS1

NEW



## Internal gear pumps

### Technical Data

Rated Size	016	020	025	032	040	050
Spec. volume V <sub>th</sub> [cm <sup>3</sup> /rev]*	1,6	2,0	2,5	3,2	4,0	5,0
Continuous operating pressure [bar]**	300					
Peak operating pressure [bar] max. 10 sec. 15 % duty cycle	320					
Cut-in pressure peak 100 ms [bar]**	350					
Max. speed [min <sup>-1</sup> ]	4.000					
Nominal speed [min <sup>-1</sup> ]	400 – 3.600					
Operating viscosity [mm <sup>2</sup> /s]	10 – 300					
Starting viscosity [mm <sup>2</sup> /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 <sup>6</sup> 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

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- hole flange and cylindrical shaft

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

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