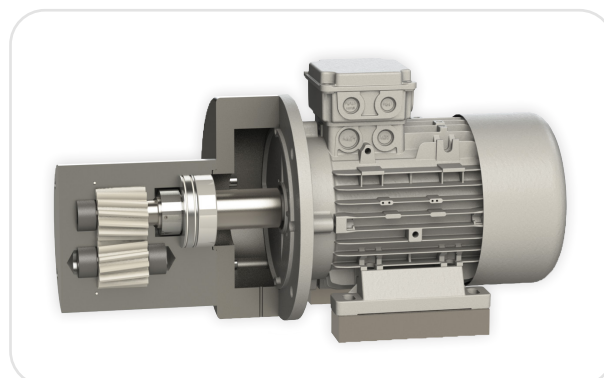
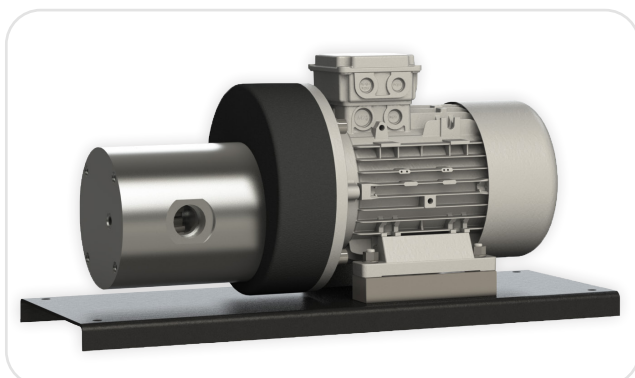




R Inox Series

Monoblock gear pump for chemical process



Description

- Self-priming external helical gear pump specially designed for chemical process applications.
- Suitable for transferring a wide variety of fluids such as alcohols, bases, solvents, acids, oils and many more.
- Compact monoblock construction with rigid coupling. Optionally on baseplate.
- Internal mechanical seal or lip seal. Both adapt to the most demanding applications due to their versatility of construction materials.

Materials

Pump Casing	316 SS, 904 SS, Hastelloy...
Gears	Black PEEK or treated 316 SS
Pump shaft	316 SS, 904 SS, Hastelloy...
Pump cover	316 SS, 904 SS, Hastelloy...
Sealing solution	Mechanical seal or lip seal
Motor flange	Ductile cast iron

Technical data

Motor	Triphasic according to IEC 60034-30 standards
Efficiency	- IE2 or IE3 for powers > 1CV - IE1 if the power < 1CV - It can be supplied up to IE5
Tension	- Three-phase 230/400 V $\pm$ 10% up to 5,5 CV - Three-phase 400/690 V $\pm$ 10% from 7,5 CV
Poles	4 and 6. 8 on demand.
Level of protection	IP55
Insulation	F Class

Usage limits

Range of flow rates	From 220 to 6500 l/h
Range of pressures	Up to 10 bar depending on the model
Max. working pressure	12 bar
Max. working temperature	150°C according to construction materials

Connections

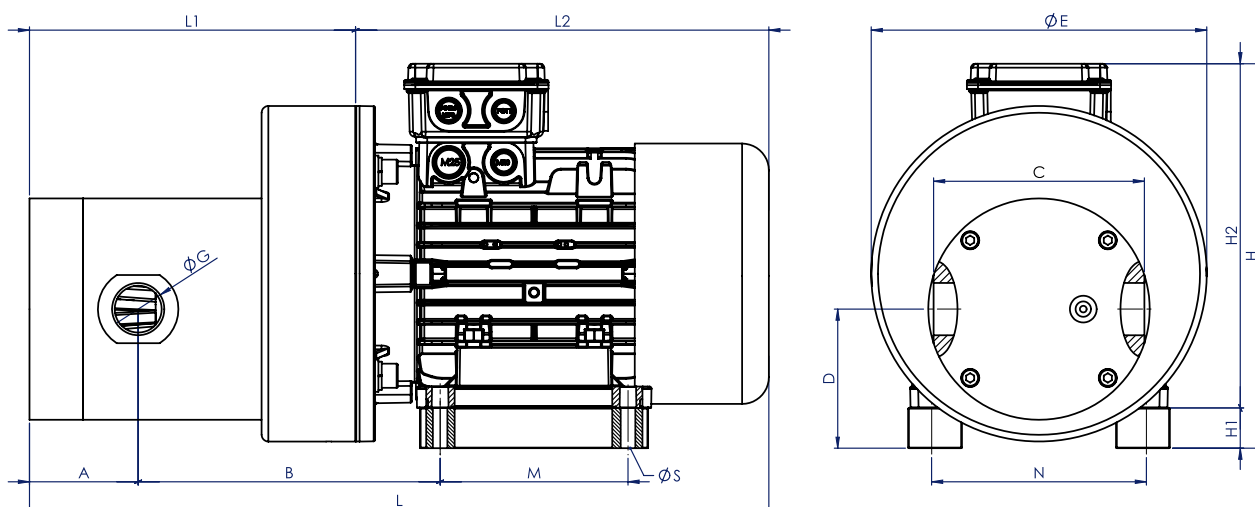
	Suction	Discharge
R-3 Inox	3/8	3/8
R-5 Inox	3/4	3/4
R-10/16 Inox	1"	1"
R-17/25/35/50/65 Inox	1" 1/4	1" 1/4



Model characteristics

Model	Power		Tension	I	n	P _{MAX.}	Flow
	CV	kW	V	A	rpm	kg/cm ²	l/h
R-3 Inox	0,5	0,37	230/400T	2,5/1,5	1450	10	220
R-5 Inox	0,5	0,37	230/400T	2,5/1,5	1450	10	500
R-10 Inox	1	0,75	230/400T	3,6/2,1	1450	10	1000
R-16 Inox	1	0,75	230/400T	3,6/2,1	1450	6	1600
R-17 Inox	2	1,5	230/400T	6,7/3,9	1450	10	1700
R-25 Inox	2	1,5	230/400T	7,1/4,1	950	10	2500
R-35 Inox	3	2,2	230/400T	8,8/5,1	1450	8	3500
R-50 Inox	4	3	230/400T	12,3/7,1	1450	10	5000
R-65 Inox	5,5	4	230/400T	16/9,3	1450	8	6500

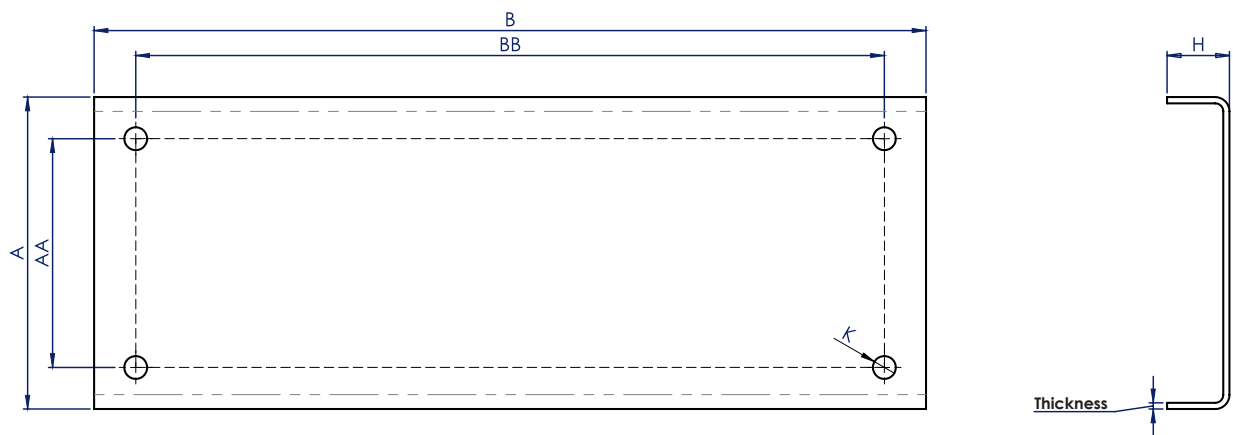
Pump dimensions



Model	General dimensions												Anchorage		
	L	L1	L2	H	H1	H2	A	B	C	D	ØE	ØG	M	N	ØS
R-3 Inox	397	167	230	208	20	188	38	166,5	117	78	160	3/8	90	112	7
R-5 Inox	397	167	230	208	20	188	42	170,5	117	78	160	3/4	90	112	7
R-10 Inox	432	177	255	240	30	210	47	180	117	93,25	200	1"	100	125	10
R-16 Inox	432	177	255	240	30	210	47	180	117	93,25	200	1"	100	125	10
R-17 Inox	528	233	295	258	30	228	47	208	157	93,65	200	1"1/4	125	140	10
R-25/35 Inox	568	243	325	290	30	260	81	225	157	103,65	200	1"1/4	140	140	12
R-50 Inox	568	243	325	290	30	260	81	225	157	103,65	200	1"1/4	140	140	12
R-65 Inox	568	243	325	290	30	260	81	225	157	103,65	200	1"1/4	140	140	12



Baseplate dimensions



N°	Model	Baseplate dimensions				Anchorage		
		A	B	H	Thickness	AA	BB	K
1	R-3/5 Inox	150	400	30	3	110	360	Ø9
2	R-10/16 Inox	200	450		4	150	400	Ø11
3	R-17 Inox	200	550		4	150	500	Ø11
4	R-25/35/50/65 Inox	250	675		5	200	625	Ø14