

JONSN
PUMPS & TECHNOLOGY



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PUMPS & TECHNOLOGY

Concentrate and focus on making every precision gear pump well.

■ SHANGHAI JONSN FLUID EQUIPMENT CO., LTD.

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Tel: 021-34720020 Fax: 021-67689517
Website: www.jonsn.cn Email: lijun@jonsn.cn

■ JONSN (GANZHOU) FLUID TECHNOLOGY CO., LTD.

Address: Building A3, Qiuyue Science and Technology Park, Economic and Technological Development Zone, Ganzhou City, Jiangxi Province, P.R.China

Website: www.jonsn.com
Email: sales@jonsn.com (International department)

MR

PRECISION MICRO GEAR PUMP

Professional chemical gear pump manufacturer

ENTERPRISE PROFILE

Shanghai JONSN Fluid Equipment Co.,Ltd. was established in 2010. It is acompany with world-renowned imported pumps as its technical background. It hastwo business divisions, namely the JONSN brand pump manufacturing division andthe imported pumptrading division.An excellent R&D and innovation teamprovides customerswith fluid transportation solutions that integrate design,production and sales.

In 2019, Shanghai JONSN Fluid Equipment Co., Ltd. made a new plan toestablish a new factory in the central region. In 2020, the new factory was officiallysettled in Ganzhou National Economic and Technological Development Zone.JONSN bucked the trend and formed a new technology development team,cooperated with foreign companies, adopted foreign advanced manufacturingtechnology and lean management, selected high-quality raw materials, designedand manufactured precision gear metering pumps with high cost performance.easv installation and maintenance



DEVELOPMENT PATH



2010

Shanghai JONSN Fluid Equipment Co., Ltd. was founded. The company's core management team boasts years of working experience in foreign-funded pump enterprises. We act as an agent for imported pumps from Europe and America.

2011

The full range of JONSN drum pumps completed design development and passed performance testing.Obtained drum pump patent certificates and CE certification.

2012-2013

Strategically upgraded to a manufacturing enterprise. The product design of JONSN precision micro gear pumps has been completed, and prototypes have passed verification.

2014

Mass offline production of JONSN precision micro gear pumps was launched successively.The design and planning of the DX series high-viscosity gear pumps have been initiated.

2015

JONSN trademark registered; 2 invention patents and 7 utility model patents applied.JONSN precision micro gear pumps finalized for mass production, applied and exported to Europe and America.Successfully signed with Sinopec, CNOOC, Tianjin Jereh, etc.

2016-2017

DX series high-viscosity gear pumps finalized for production. Same year, company's gear pump annual output value over 30 million yuan. Introduced product coding traceability & 6S on-site management systems.

2018-2019

Enterprise strategic positioning upgraded to "Trustworthy High-Quality Pump Supplier".Focus on quality control; 100% factory test qualified.JONSN precision gear pumps successfully obtained CE certification.Applied to marine SCR exhaust gas treatment systems.

2020-2021

Initiated new LOGO brand identity and brand philosophy.Focus on R&D and production of high-precision gear pumps.Company launched R&D of DP series high-viscosity gear metering pumps.Initiated TÜV Rheinland ISO9001 quality management system certification.

2022-2023

Obtained certifications from multiple classification societies.
Products comply with ABS, BV, DNV and other certifications.

2024-2025

2024: Awarded High-Tech Enterprise and Specialized, Refined, Unique & Innovative Enterprise;
2025: Officially settled in Ganzhou Qiuyue Science and Technology Park; smart factory launched.JONSN established gear pump R&D center in Ganzhou.

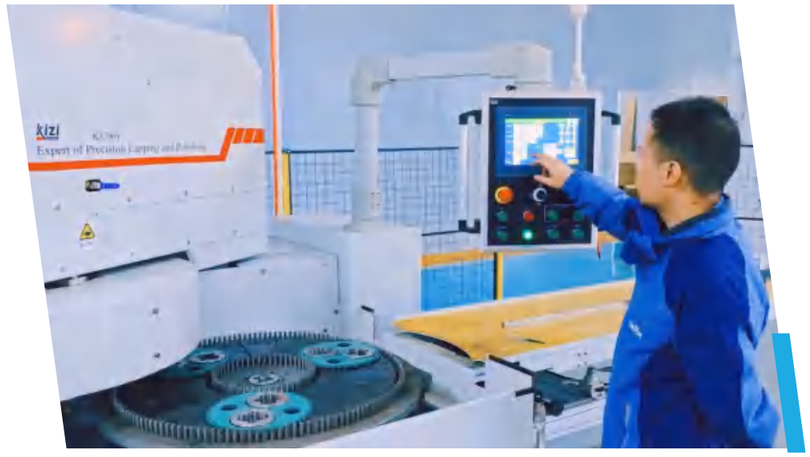
2026 至今

Successfully renewed TÜV Rheinland ISO 9001:2015 quality management system certificationIncreased investment in R&D
JONSN successfully signed a contract with AMEC (Advanced Micro-Fabrication Equipment Inc.)

HIGH-END CNC MACHINING AND PRECISION INSPECTION EQUIPMENT



Mazak Machining Center



Double - Plane Lapping Machine

We have introduced world-class CNC machining and precision inspection equipment to establish a comprehensive, high-precision manufacturing system—spanning the entire process from component machining to finished product inspection. Centered around leading international brands such as Mazak and Zeiss, we guarantee micron-level precision for every single component of our precision gear pumps, utilizing state-of-the-art machinery to forge a rock-solid foundation for product quality.



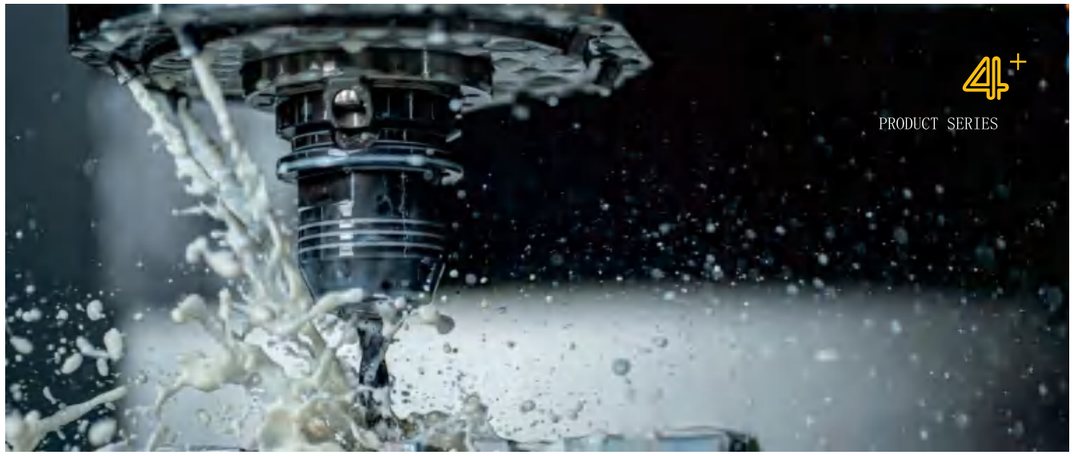
Zeiss Coordinate Measuring Machine (CMM)



Precision High-Speed Jig Milling and Grinding Center

MACHINE TOOL

COOPERATIVE PARTNER



MR Series
MR series precision magnetic gear pump

DP Series
DP series medium and high viscosity precision gear metering pump

DX Series
DX series high temperature and high viscosity gear metering pump

Acting
Acting as an agent for BRONTZ internal gear pumps

Look forward to working with you
••••••

HONORARY PATENT

We focus on the technical development of precision gear pumps. We are engaged in precisionproduction. Skilled technology and craftsmanship are the main characteristics of our work. The birthof every Jonsn precision gear pump embodies the beauty of craftsmen. Their strict requirements forproducts and outstanding performance have contributed to the development of the company.Jonsn company has successively obtained 7 utility model patents. 2 invention patents. meanwhilewe have obtained the German TUV Rheinland ISO9001 quality management system certification,CE certification ABS certification, 、BV certification, Nippon Kaii Kyokai certification, etc.



TÜV Rheinland ISO9001 quality management certification



BV certification



ABS certification



2 invention patents
7 utility model patents



RoHS Test Report



CE certification

MPG SERIES PRECISION MINIATURE MAGNETIC GEAR PUMP

Micro-flow | Pulsation-free | Ultra-long lifespan | Batch consistency | Deep customization

Solve an industry pain point in a single sentence.

It delivers truly high-precision, pulse-free, linearly stable delivery at microliter flow rates, with full-dimensional non-standard customization available.

±0.2%
Repeatability

>20000h
Flow rate degradation: <2% (10,000 h)

±0.5%
Linearity accuracy

3~5x
Exceeds industry lifespan

Six Core Advantages

01 NO.

Ultra-high precision, consistent batch-to-batch quality.

Positive displacement principle combined with servo/stepper motor drive delivers a truly pulsation-free linear flow.

Linearity: **±0.5%** Repeatability: **±0.2%** Unit-to-unit consistency: **±2–5%** Flow rate degradation: **<2%/10000h**

02 NO.

High suction capability and pressure resistance; suitable for extreme operating conditions.

Easily handles low liquid levels, high viscosity, or long suction lines, and supports high-pressure transfer applications.

Inlet vacuum level: **-95 kPa** Standard pressure rating: **4 MPa** High-pressure models: **6–10 Mpa**

03 NO.

Zero leakage, safe and clean.

Features a full magnetic drive and static O-ring seal design, ensuring the medium is completely contained. Eliminates the risk of mechanical seal wear and prevents leakage, contamination, and cross-infection.

Sealing Method: **Full magnetic drive** Certification Standards: **FDA Certified, RoHS Certified, Heavy Metal Free**

04 NO.

Specialized materials, exquisite craftsmanship.

The gear shaft utilizes high-strength modified PEEK, heat treatment, and zirconia ceramic.

Sliding bushing: **PEEK-ceramic composite formulation**, integrally molded.
Wear resistance: **Over 5 times** better than standard bushings. Friction coefficient: **Extremely low.**

05 NO.

Ultra-long lifespan—one unit does the work of three.

Material and structural dual optimization delivers tens of thousands of hours of trouble-free continuous operation, cutting downtime, part replacement and labor costs to boost line stability and investment return.

Actual service life: **3–5 times** that of standard pumps Maintenance-free operation: **Tens of thousands of hours**

06 NO.

Deep, highly customized solutions seamlessly integrated into your system.

We understand every piece of equipment is unique.The MR series supports fully customized development. From standard models to exclusive solutions, we work with you to redefine the limits of precision fluid transfer.

Custom Ports
VCR, quick disconnect, sanitary tri-clamp and other specifications available

Port Orientation
0°/90°/180° multi-direction layout, fits compact installation spaces

Surface Coating
Custom electrolytic & PVD wear-resistant coatings

Integrated Motor
Supports servo/stepper closed-loop flow control systems

Mounting Options
Flexible installation with flanges, brackets and embedded bases

Other Customization
Flow feedback, temperature sensing, Modbus / CANopen

Typical application scenarios


Biopharmaceuticals
mRNA vaccine fill-finish
Precision dispensing of cell culture media


Semiconductor
CMP Slurry
Micro-dispensing of Photoresist


New Energy
Lithium-ion battery electrolyte filling
Solid-state battery slurry transfer


High-end Manufacturing
Precision Coating Formulation
Automated Laboratory Fluid Handling Platform

With dozens years of technology accumulating, Jonsn gear pumps have grew up to be the key control device for on-line transport in high end manufacturing industries.



Performance parameter

Flow range	0.001 - 64L/min
Inlet pressure	-95kPa
Differential pressure	0 - 25.5 bar　Depends on material viscosity
Temperature	-40 - 160℃　Other temperatures can be customized
Viscosity range	0.4 - 3000cps
Maximum density	1.8
Motor can be equipped	AC motors, Brushless DC, Servo Frequency conversion explosion-proof motor
Import and export thread	NPT1/8、NPT1/4、NPT3/8、NPT1/2、NPT3/4 or G1/8、G1/4、G3/8、G3/4
Non-standard customization	OEM mechanical equipment matching servo system customization

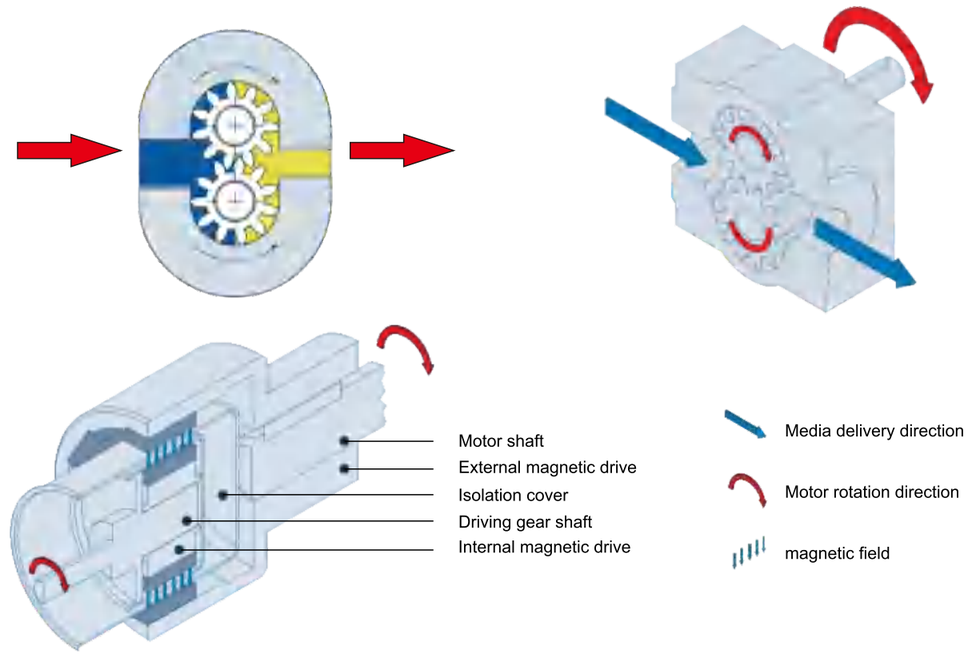
Theoretical flow

Pump		Motor speed (rpm)				
Order No	Size	750	960	1450	2850	3300
MRA5/13	1/8	0.150	0.192	0.290	0.570	0.660
MRA7/13		0.293	0.374	0.566	1.112	1.287
MRA10/13		0.450	0.576	0.870	1.710	1.980
MRA12/13		0.525	0.672	1.015	1.995	2.310
MRB10/16	1/4	0.750	0.960	1.450	2.850	3.300
MRB12/16		0.900	1.152	1.740	3.420	3.960
MRB17/16		1.275	1.632	2.465	4.845	5.610
MRB19/16		1.425	1.824	2.755	5.415	6.270
MRC15/22	3/8	1.800	2.304	3.480	6.840	
MRC20/22		2.625	3.360	5.075	9.975	
MRC8/37		3.000	3.840	5.800	11.400	
MRC12/37		4.500	5.760	8.700	17.100	
MRD25/30	1/2	5.250	6.720	10.150	19.950	
MRE18/37	3/4	6.750	8.640	13.050	25.650	
MRE24/37		9.000	11.520	17.400	34.200	
MRE34/37		12.750	16.320	24.650	48.450	
MRF34/39	1 1/4	16.500	21.120	31.900	62.700	

Theoretical flow (L/min)

Note: The above fow data is tested with water as the medium and no pressure at the pumpoutlet. Due to the gap loss of the gear rotation, the actual flow will vary according to the mediumviscosity, pressure and motor speed, The test datas tell us: When medium viscosity and pressuredifference keep unchange, as long as the motor speed is stable, the fow is stable. The flow ratedepends on the motor output speed and outlet pressure. So it is vital to choose a high effective.stable motor. Users who use precision gear pumps for the frst time can download our company'sselection data sheet and tell us the relevant parameters. We have professional pump and motorselection software and application experience of tens of thousands of pumps. We will provide adetailed selection report of the pump, we are able to customize a professional system solution foryou. For details, please consult the sales staff.

COMPLETELY SOLVE THE MEDIUM LEAKAGE MAGNETIC GEAR PUMPS



Configuration code

MR A 18 S Z K L F — N A 0

Pump serial

Displacement
cc/rev
For example:
18=0.18cc/rev

Inlet & outlet thread
A :G1/8
B :G1/4
C :G3/8
D :G1/2
E :G3/4
Others connection to be customized

Pump material
S:316L
P:PPS
H:ALLOY C
(for acidic medium)

Gear shaft material



Z: Gear PEEK + Nano-ceramic shaft (for low viscosity non-abrasive media) Standard

K:GearPEEK+shaft 316(for neutral low viscosity non-abrasive media)

C:Nano-ceramic (for low viscosity fine particle abrasive media)

S:Alloy (for medium with better lubricity)

Bearing
K :PEEK
F :PTFE

Structure type
L:inlet & outlet of 180° (standard)
B: inlet & outlet of 90

O-Ring
F :PTFE
M:FKM
E :EPDM
P :FFKM
L :LDR

Magnet material
N NdFeB
M: Sintered NdFeB
Y Ferrite

Mounting plate
A: Type A mounting plate
B: Type B mounting plate
0: Standard setup

Particular treatment
0: No special treatment.
1: DLC coating
2: Electrolysis
3: Welded joint
4: Electric heating
5: G thread
6: Flange interface
7: Sanitary chuck interface
9: Non-standard customization

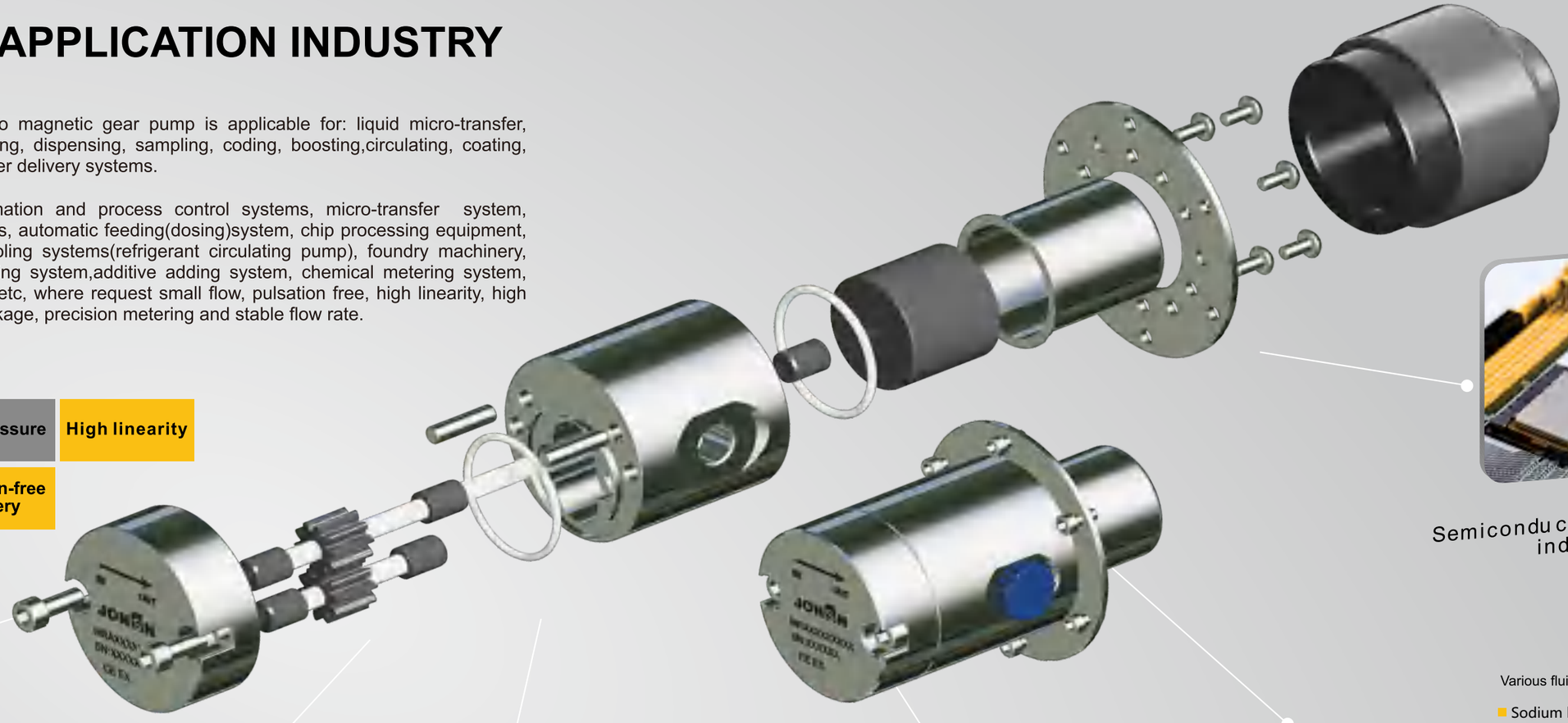
PRODUCT APPLICATION INDUSTRY

MR series precision micro magnetic gear pump is applicable for: liquid micro-transfer, adding, lubricating, spraying, dispensing, sampling, coding, boosting,circulating, coating, painting, metering and other delivery systems.

It is applicable to automation and process control systems, micro-transfer system, circulating booster systems, automatic feeding(dosing)system, chip processing equipment, laboratory equipment, cooling systems(refrigerant circulating pump), foundry machinery, packing machinery, cleaning system,additive adding system, chemical metering system, and small test/pilot plant, etc, where request small flow, pulsation free, high linearity, high pressure differential, 0 leakage, precision metering and stable flow rate.

Small flow | **High pressure** | **High linearity**

Accurate measurement | **Pulsation-free delivery**





Biopharma ceutical indus try



Fine chemical indu stry



Mach inery Indus try



Cosme ti cs in du st ry



Food pr ocessi ng in dus try

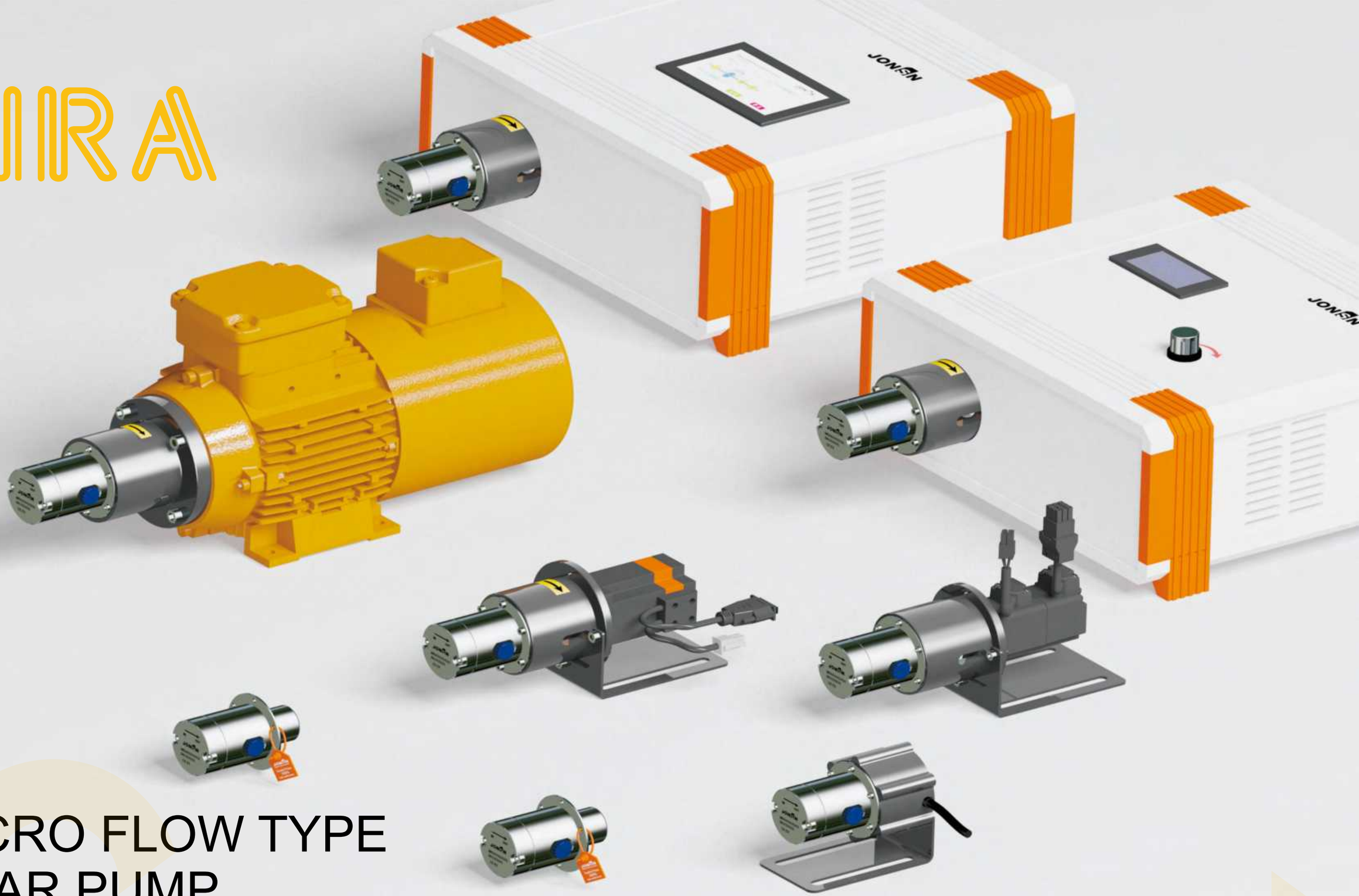


Semicondu ctor el ectron ic s indu stry

Various fluid media transported

- Sodium hydroxide
- Tetrahydrofuran
- White oil
- Flux
- Methanol
- Deionized water
- Glycerol
- Diisocyanate
- Butyl lithium
- kerosene
- NMP
- Hydrogen Peroxide
- Dichloromethane
- Ink
- Emollients
- Pyridine
- Polyols,polymers
- Adhesives
- Paraffin oil
- Pure water transport
- Ethylene glycol
- Urea

MRA



MICRO FLOW TYPE GEAR PUMP

MRA

MICRO GEAR PUMPS

Micro flow type

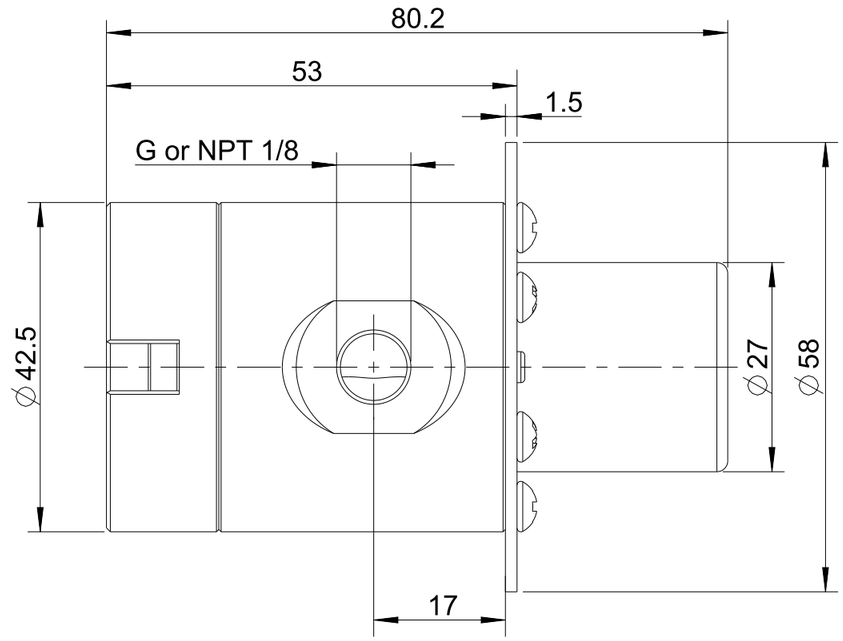


Resolvable working conditions

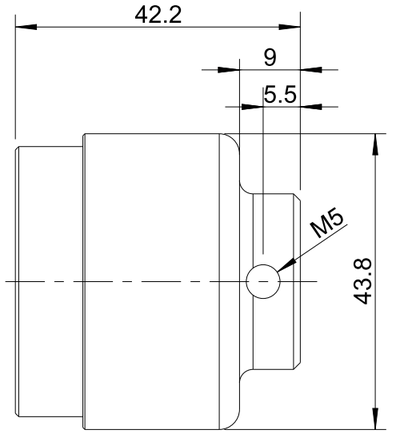
Flow rate 100-2000ml/min

Working pressure difference： 0.5-25bar

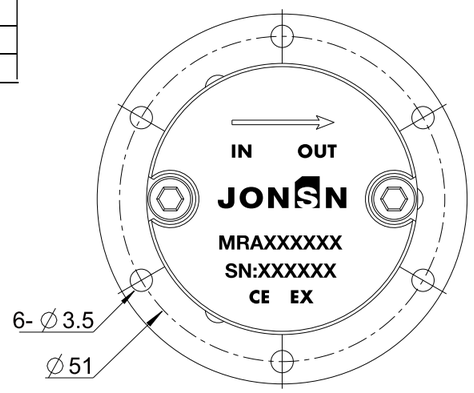
Viscosity 0.4-3000m.Pas (approximate to water)

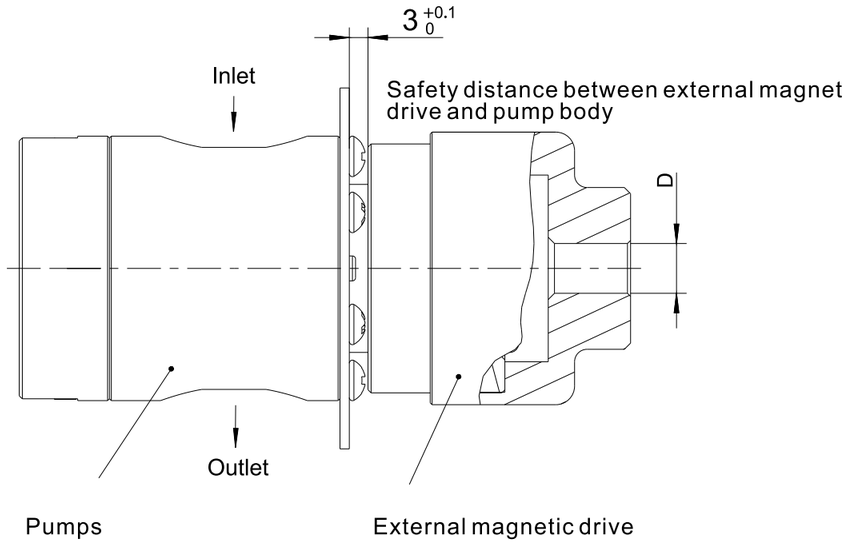


Pumps order NO.	
MRA 5/13	MRA pumps head uniform dimensions
MRA 7/13	
MRA 10/13	
MRA 12/13	



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19

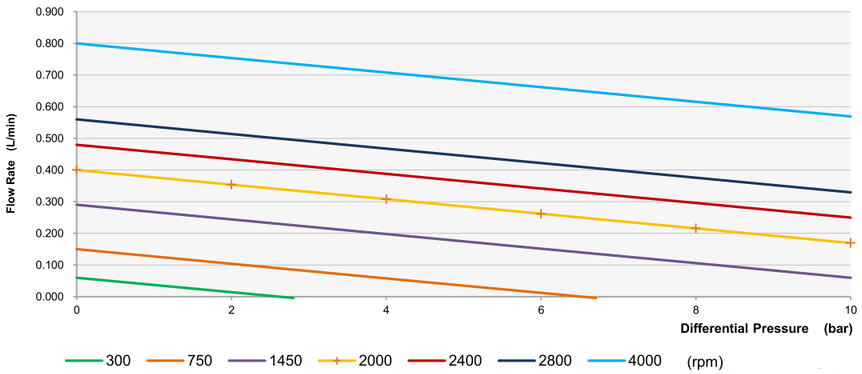




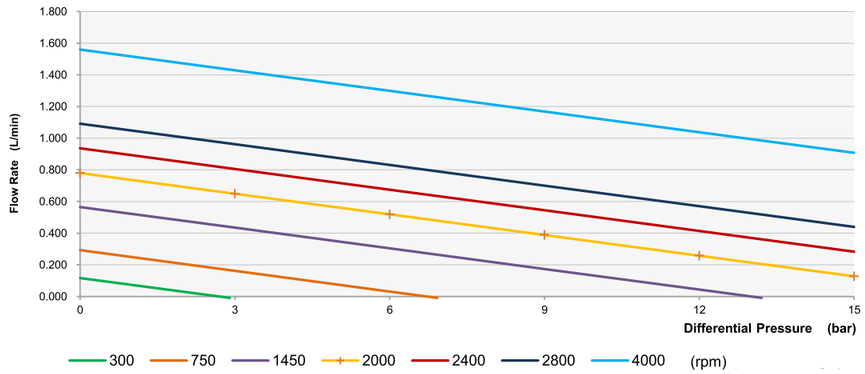
PERFORMANCE CURVE

water

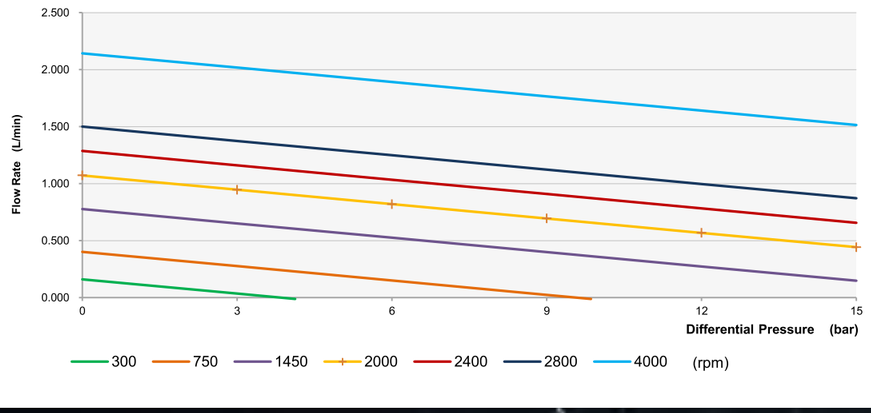
Pump Head MRA5/13
Measured with water 1 mPas 40°C



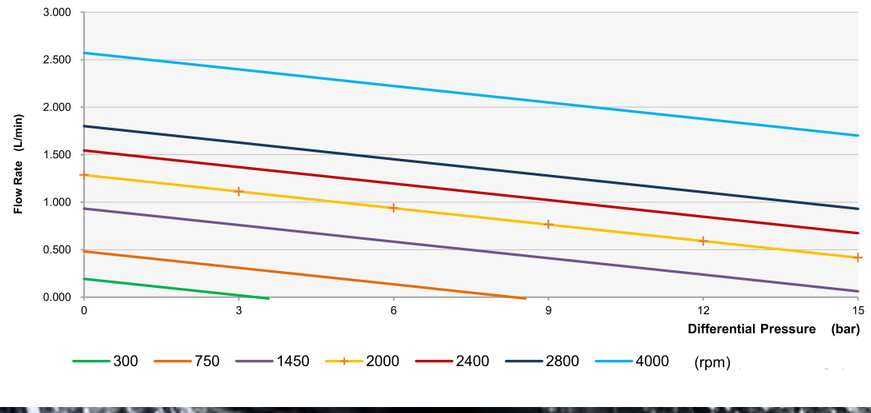
Pump Head MRA7/13
Measured with water 1 mPas 40°C



Pump Head MRA10/13
Measured with water 1 mPas 40°C



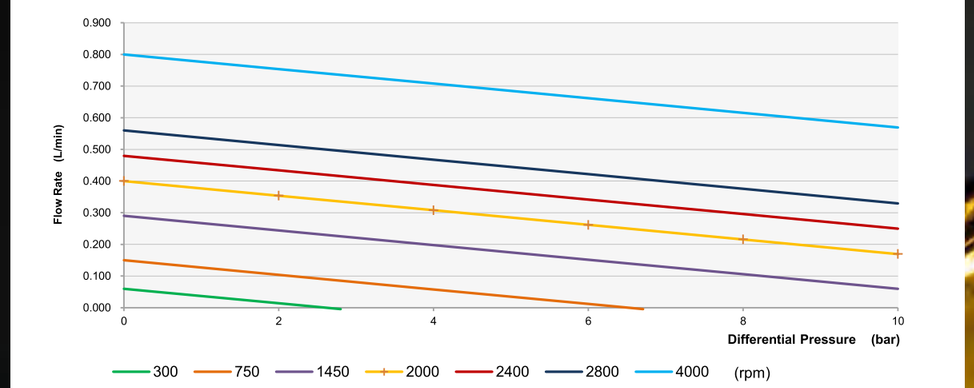
Pump Head MRA12/13
Measured with water 1 mPas 40°C



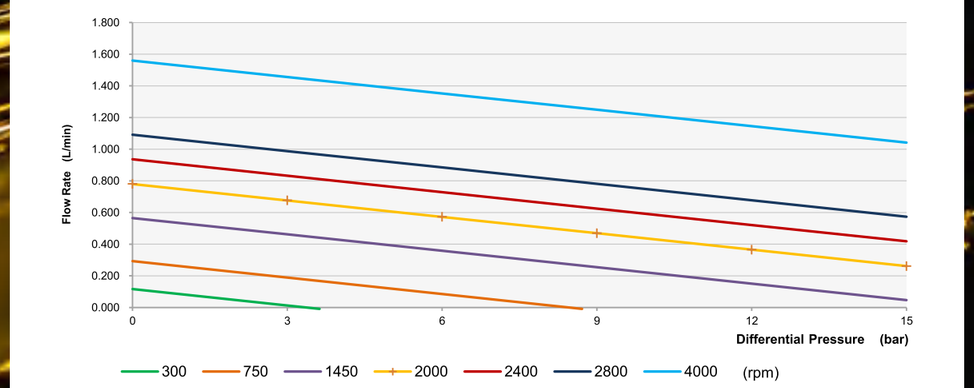
PERFORMANCE CURVE

oil

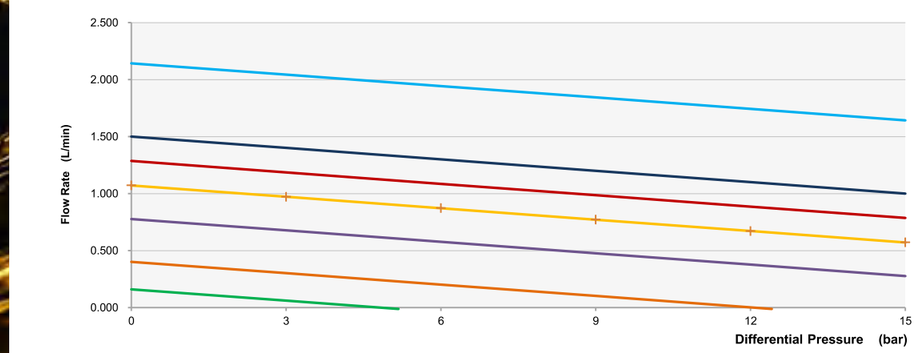
Pump Head MRA5/13
Measured with oil 100 mPas



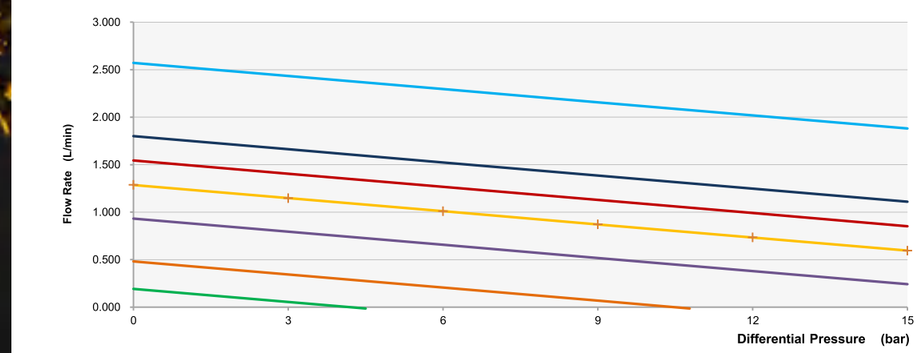
Pump Head MRA7/13
Measured with oil 100 mPas



Pump Head MRA10/13
Measured with oil 100 mPas



Pump Head MRA12/13
Measured with oil 100 mPas



MRB

SMALL FLOW TYPE GEAR PUMP



MRB

MICRO GEAR PUMPS

Small flow type



Resolvable working conditions

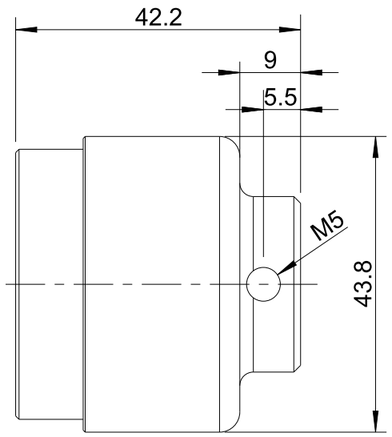
Flow 400-4800ml/min

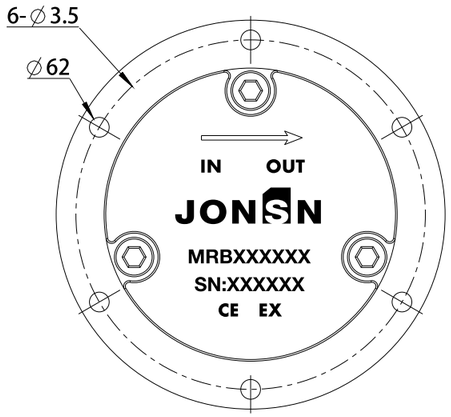
Working pressure difference： 0.5-25bar

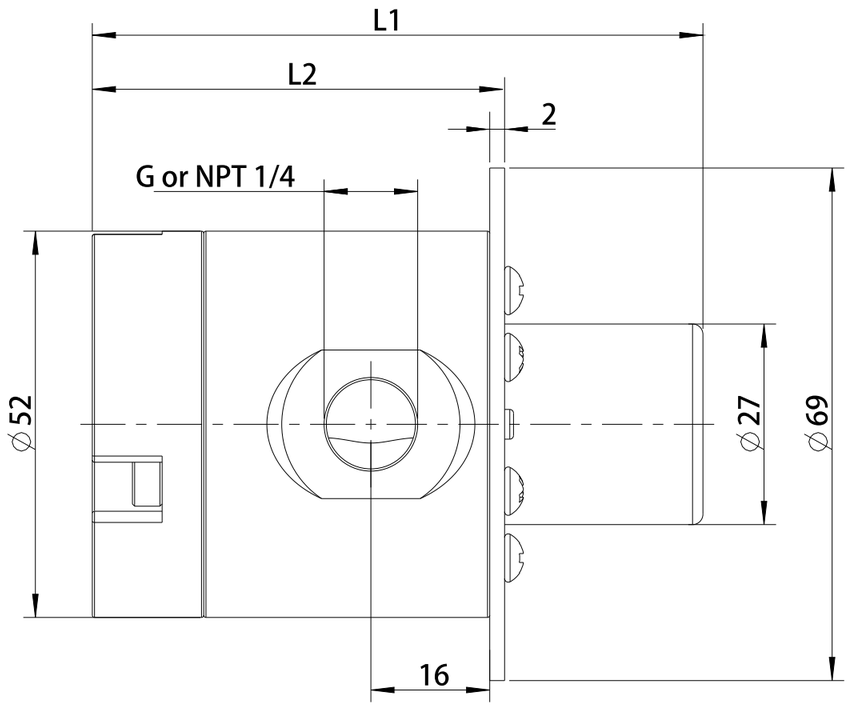
Viscosity 0.4-3000m.Pas (approximate to water)

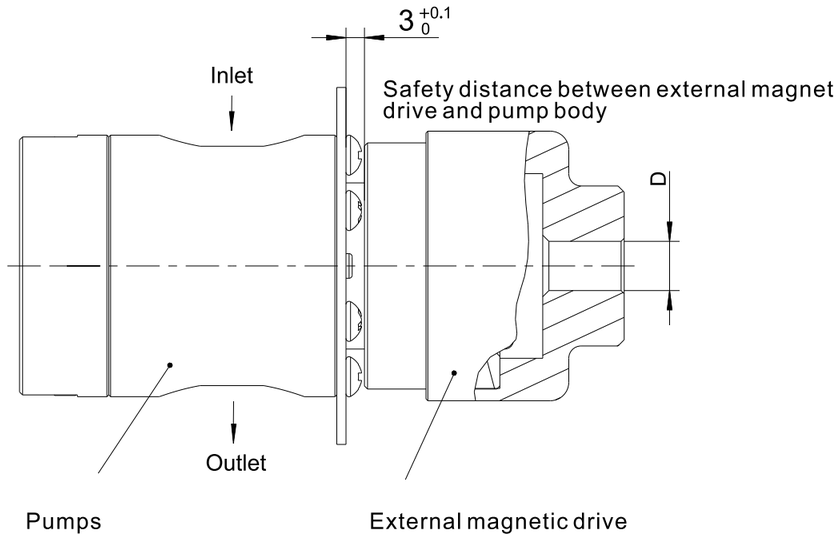
Pumps order NO.	L1	L2
MRB 10/16	82.2	55.5
MRB 12/16		
MRB17/16	87.2	60.5
MRB19/16		

D
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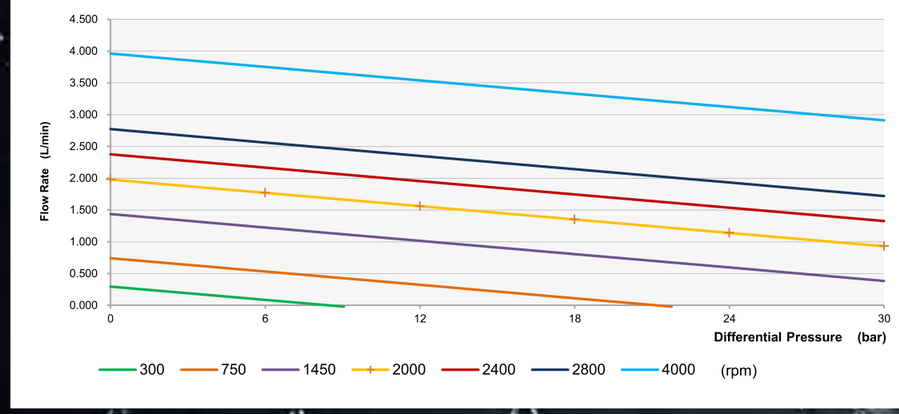




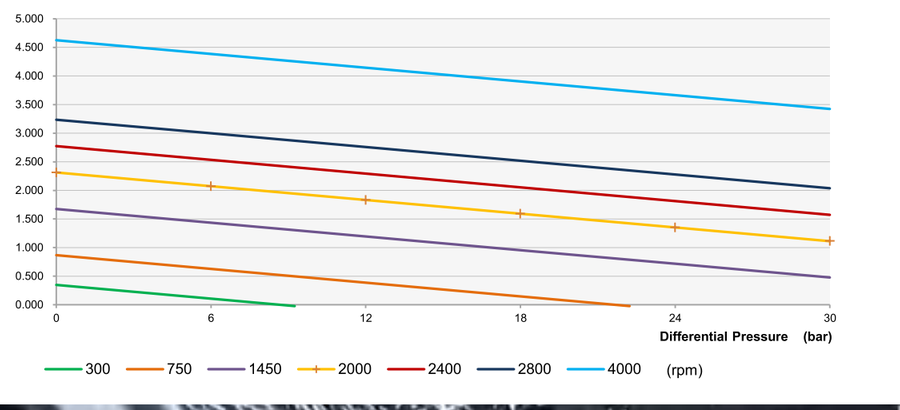
PERFORMANCE CURVE

water

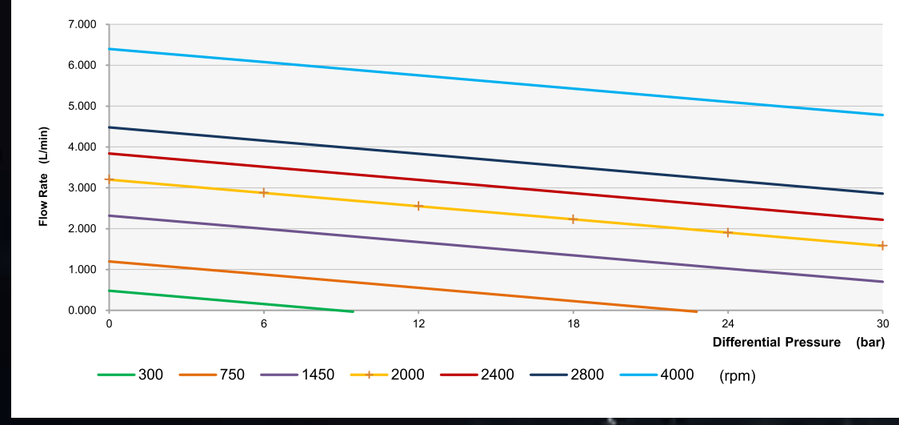
Pump Head MRB10/16
Measured with water 1 mPas 40℃



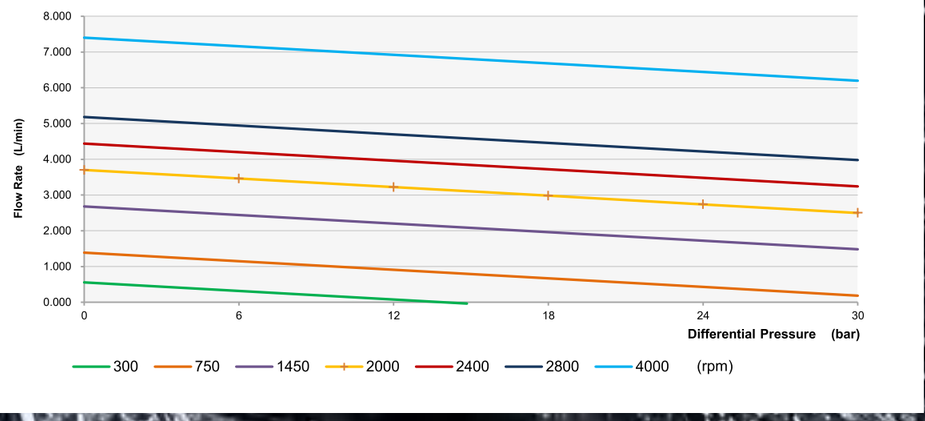
Pump Head MRB12/16
Measured with water 1 mPas 40℃



Pump Head MRB17/16
Measured with water 1 mPas 40℃



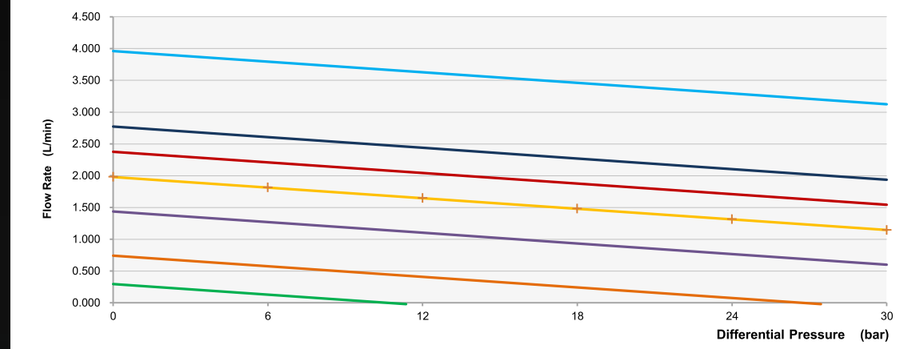
Pump Head MRB19/16
Measured with water 1 mPas 40℃



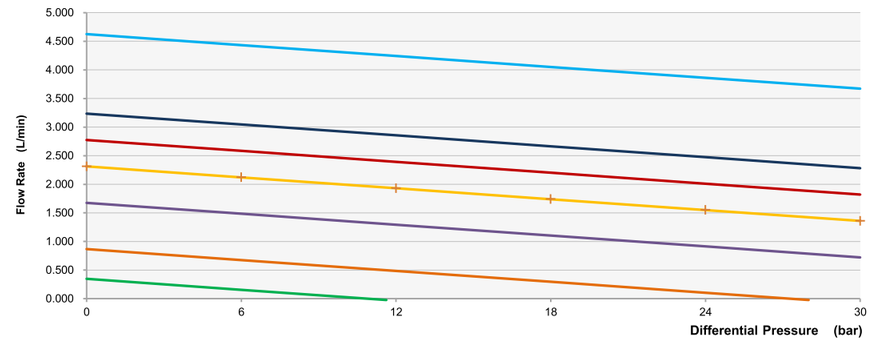
PERFORMANCE CURVE

oil

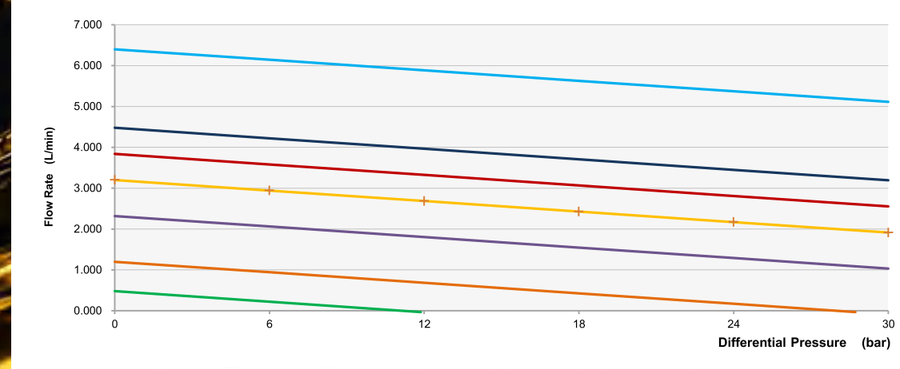
Pump Head MRB10/16
Measured with oil 100 mPas



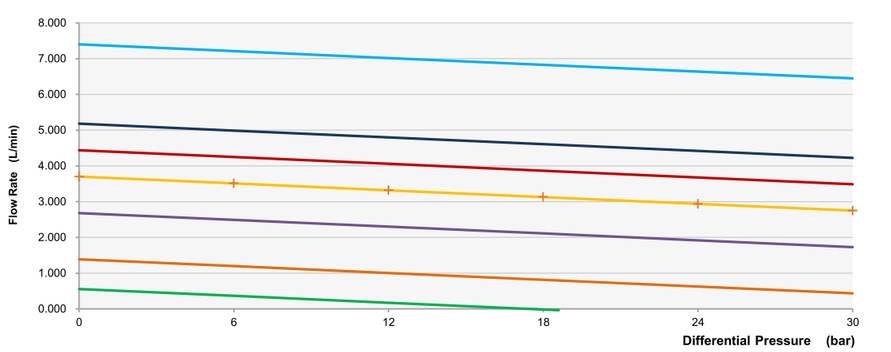
Pump Head MRB12/16
Measured with oil 100 mPas



Pump Head MRB17/16
Measured with oil 100 mPas

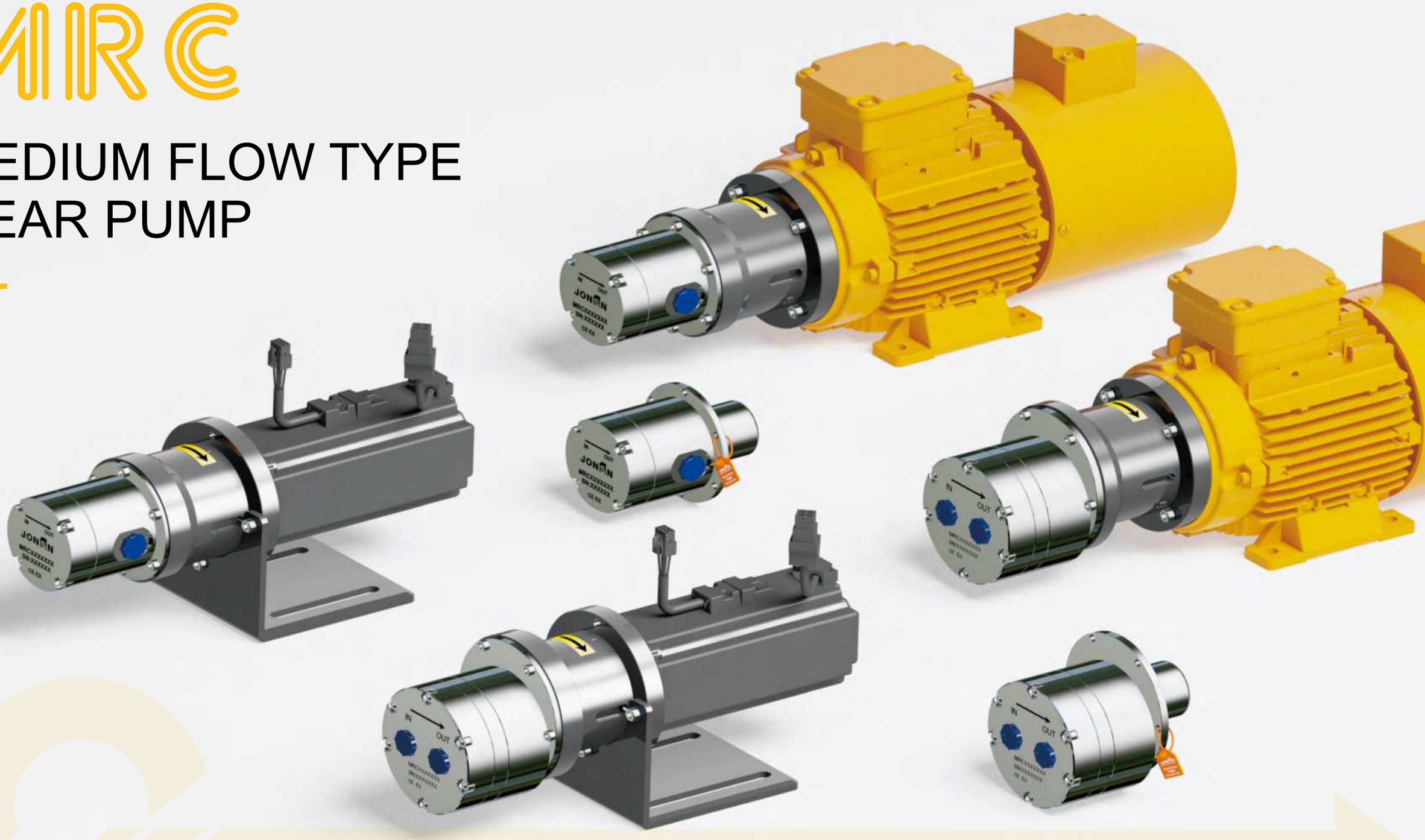


Pump Head MRB19/16
Measured with oil 100 mPas



MRC

MEDIUM FLOW TYPE GEAR PUMP



MRC

MICRO GEAR PUMPS

Medium flow type
MRC15/22
MRC20/22



Resolvable working conditions

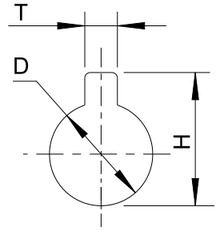
Flow 0.8-14L/min

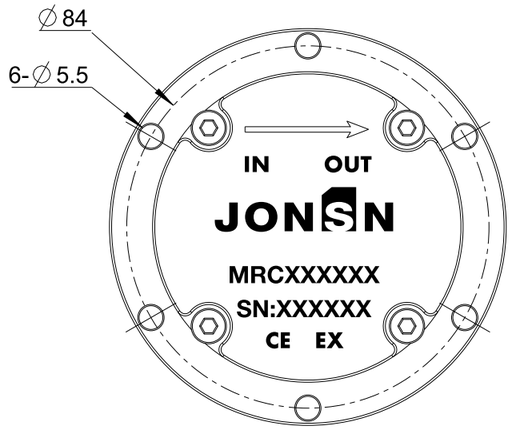
Working pressure difference： 0.5-25bar

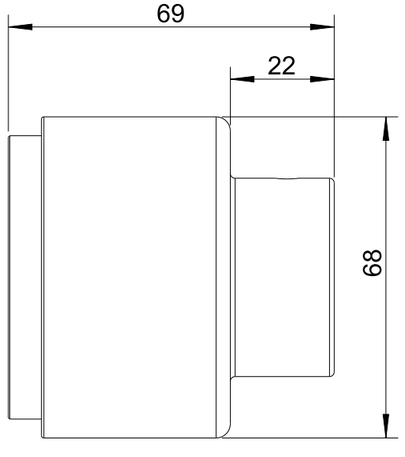
Viscosity 0.4-3000m.Pas (approximate to water)

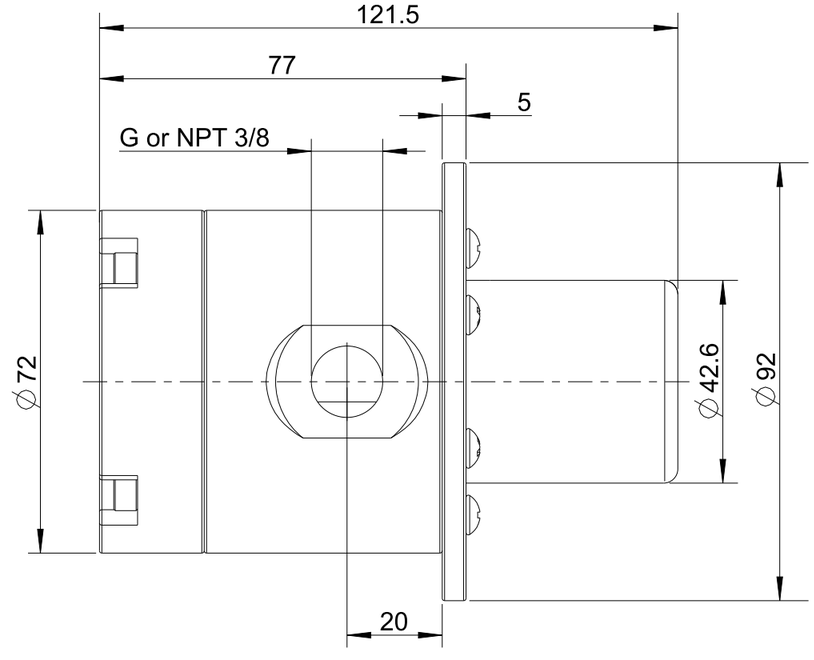
Pumps order NO.	
MRC 15/22	Pumps head uniform dimensions
MRC 20/22	

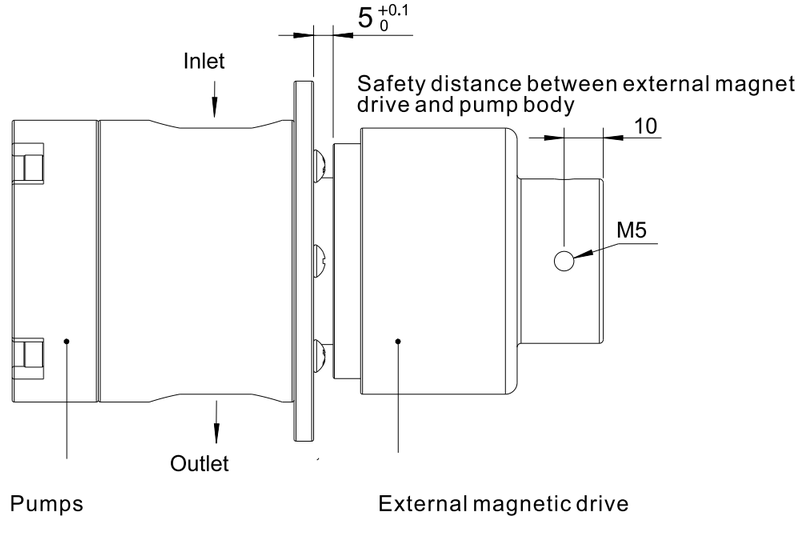
D	H	T
14	17	5
19	22.5	6
24	28	8
28	32	8







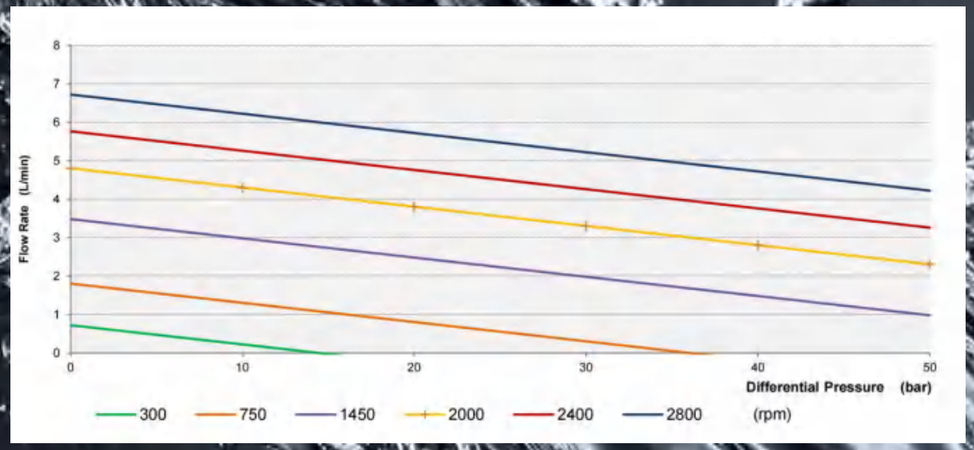




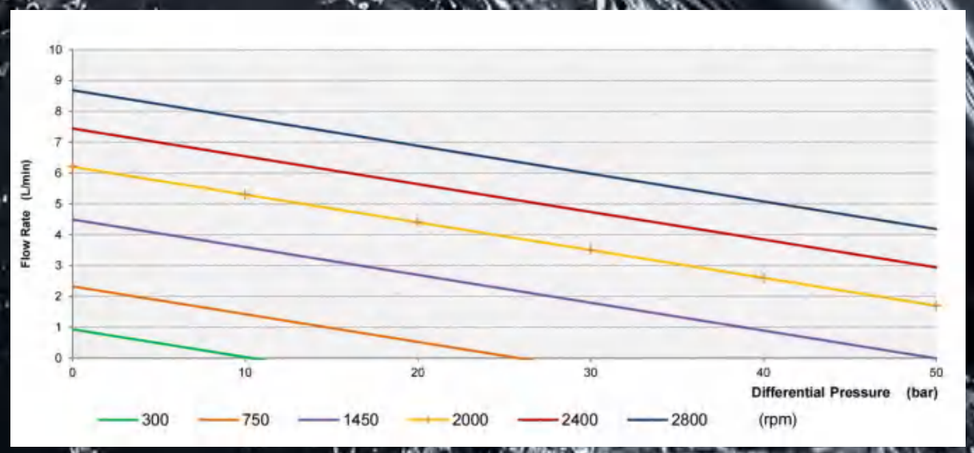
PERFORMANCE CURVE

water

Pump Head MRC 15/22
Measured with water 1 mPas 40℃

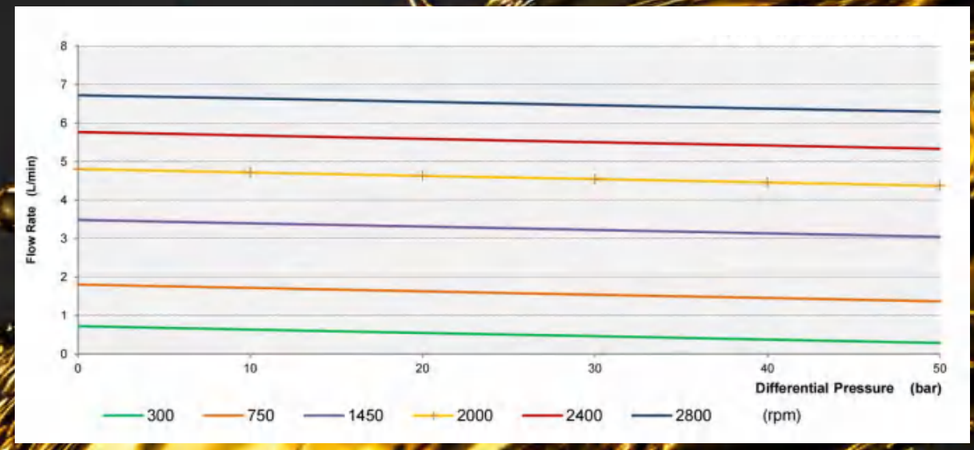


Pump Head MRC 20/22
Measured with water 1 mPas 40℃

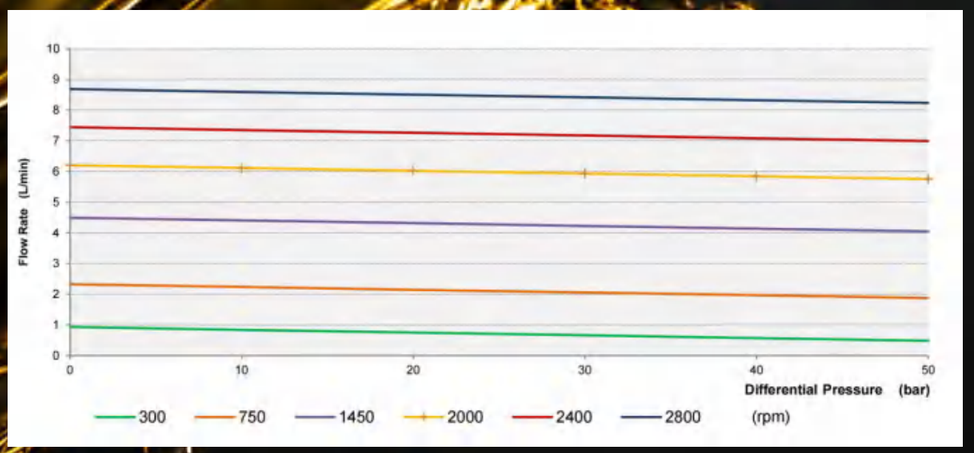


oil

Pump Head MRC 15/22
Measured with oil 100 mPas



Pump Head MRC 20/22
Measured with oil 100 mPas



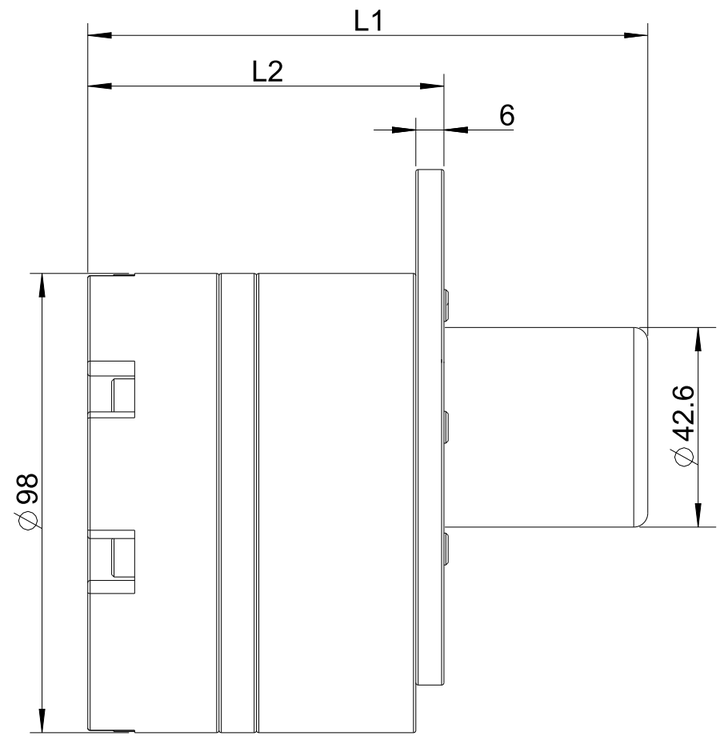
MRC

MICRO GEAR PUMPS

Medium flow type
MRC8/37
MRC12/37

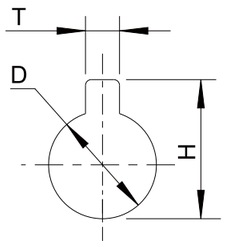


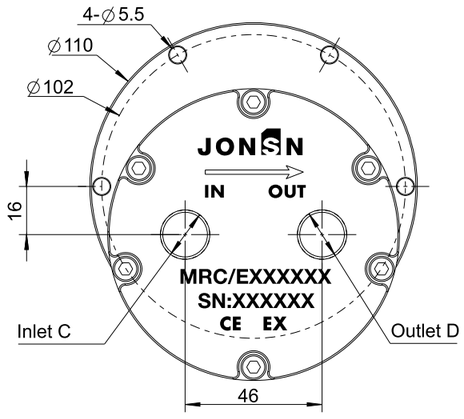
Resolvable working conditions
Flow 0.8L-14L/min
Working pressure difference 0.5-25bar
Viscosity 0.4-3000m.Pas (approximately water)

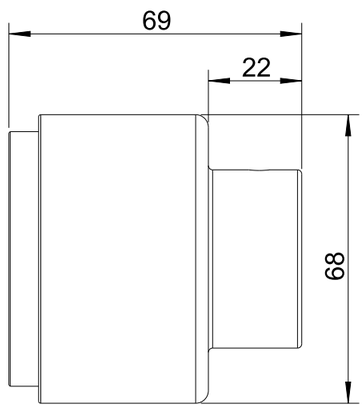


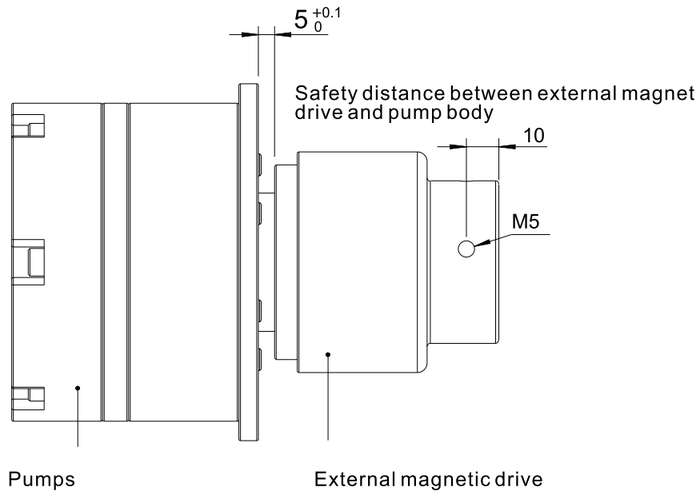
Pumps order NO.	L1	L2	C	D
MRC 8/37	119.5	75.5	G or NPT 3/8	
MRC 12/37				

D	H	T
14	17	5
19	22.5	6
24	28	8
28	32	8





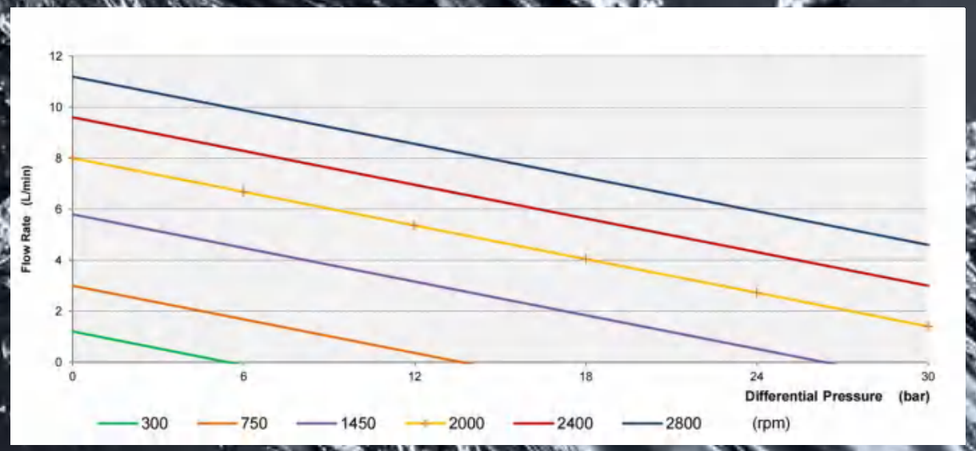




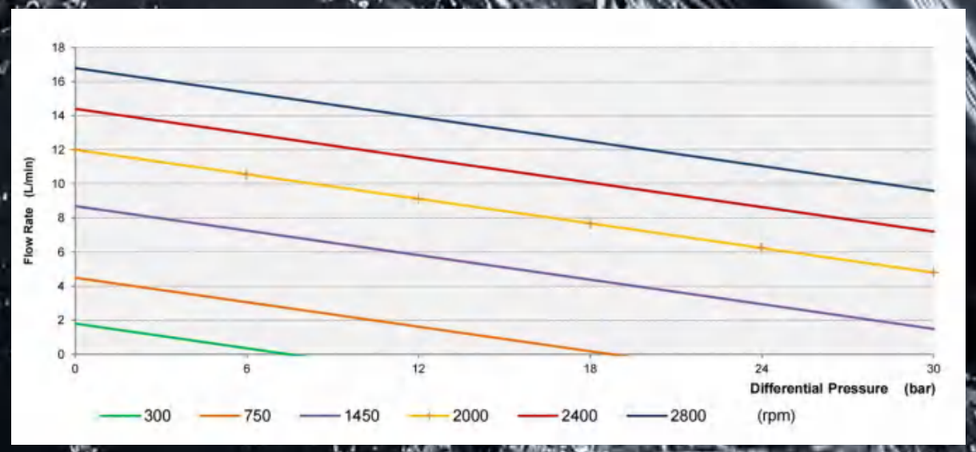
PERFORMANCE CURVE

water

Pump Head MRC 8/37
Measured with water 1 mPas 40°C

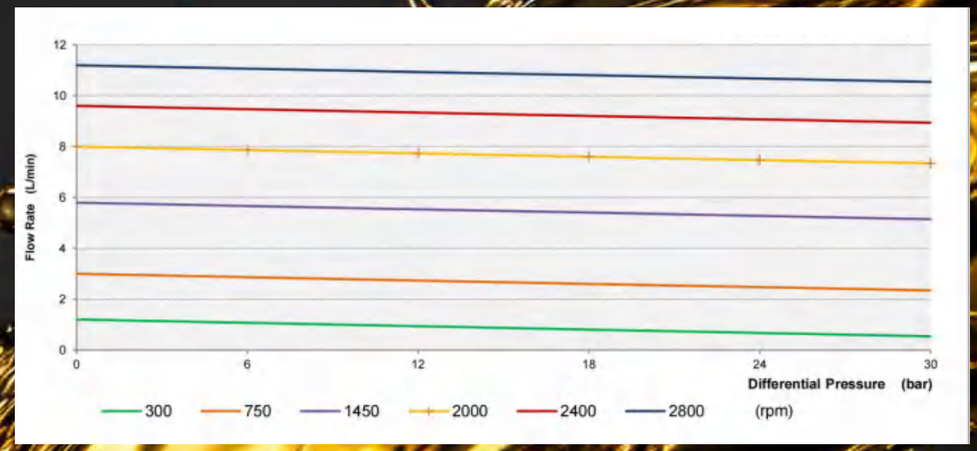


Pump Head MRC 12/37
Measured with water 1 mPas 40°C

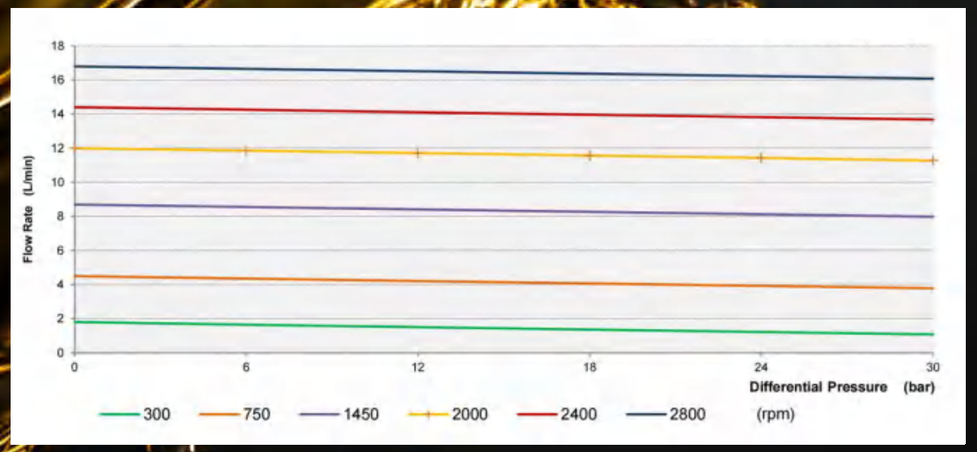


oil

Pump Head MRC 8/37
Measured with oil 100 mPas

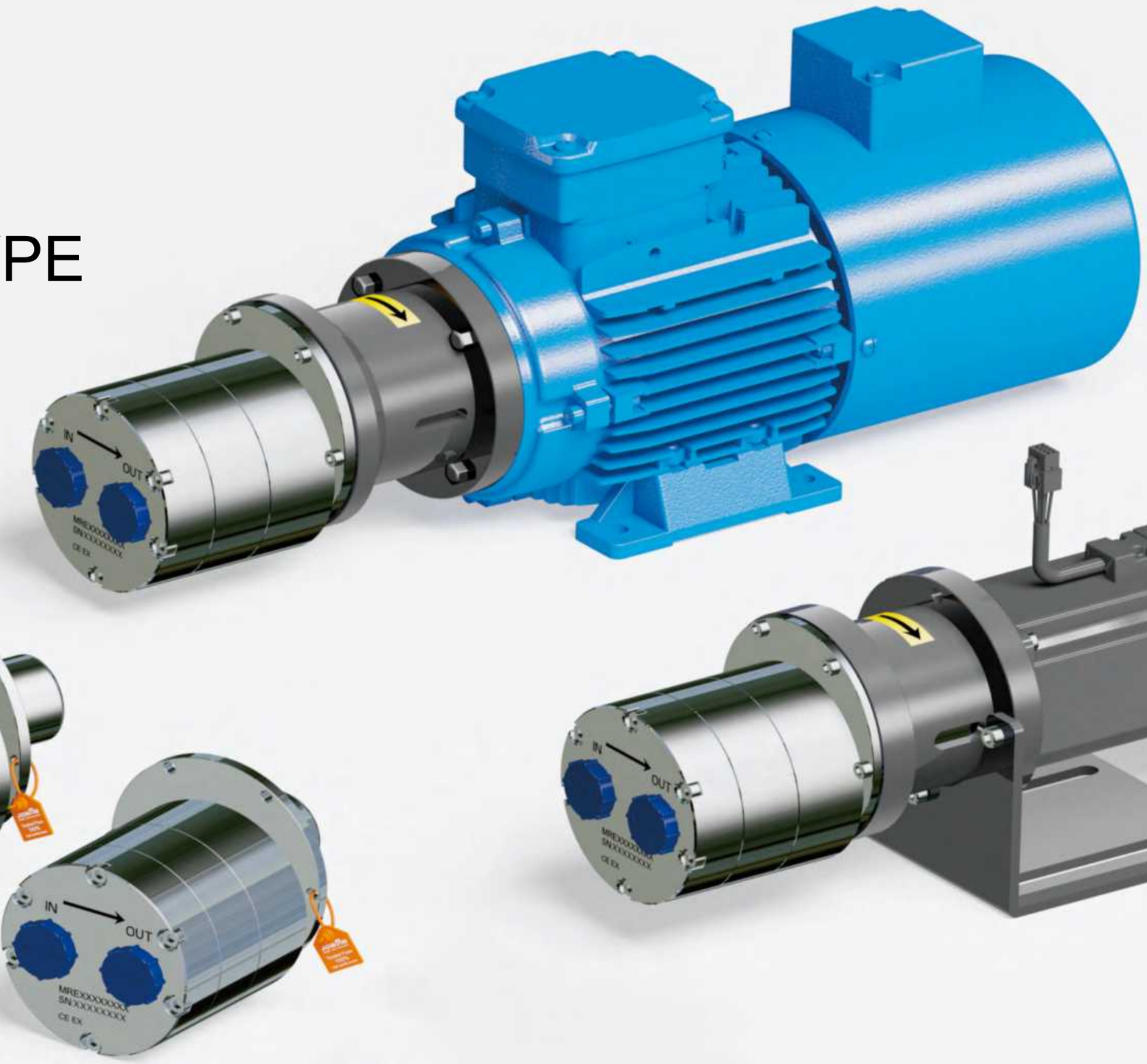


Pump Head MRC 12/37
Measured with oil 100 mPas



MRE

LARGE FLOW TYPE GEAR PUMP



MRE

MICRO GEAR PUMPS

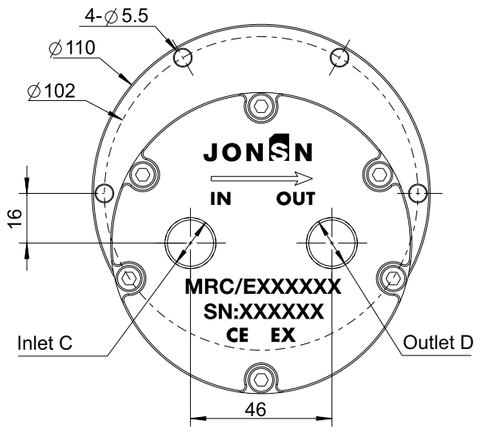
Large flow type

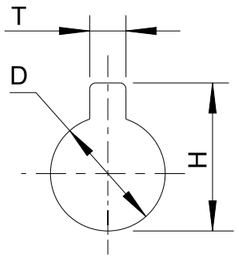


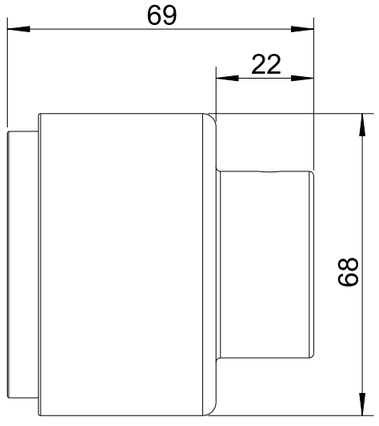
Resolvable working conditions
Flow rate 4-48L/min
Working pressure difference： 0.5-25bar
Viscosity 0.4-3000m.Pas (approximate to water)

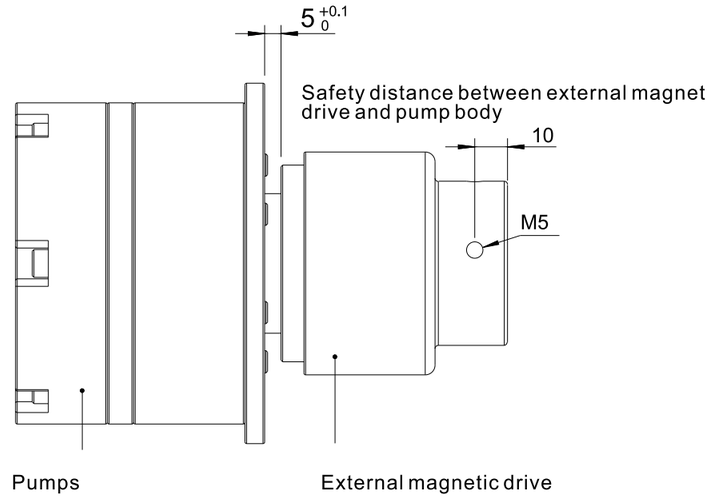
Pumps order NO.	L1	L2	C	D
MRE 18/37	141.5	98.5	G or NPT 3/4	
MRE 24/37				
MRE 34/37				

D	H	T
14	17	5
19	22.5	6
24	28	8
28	32	8





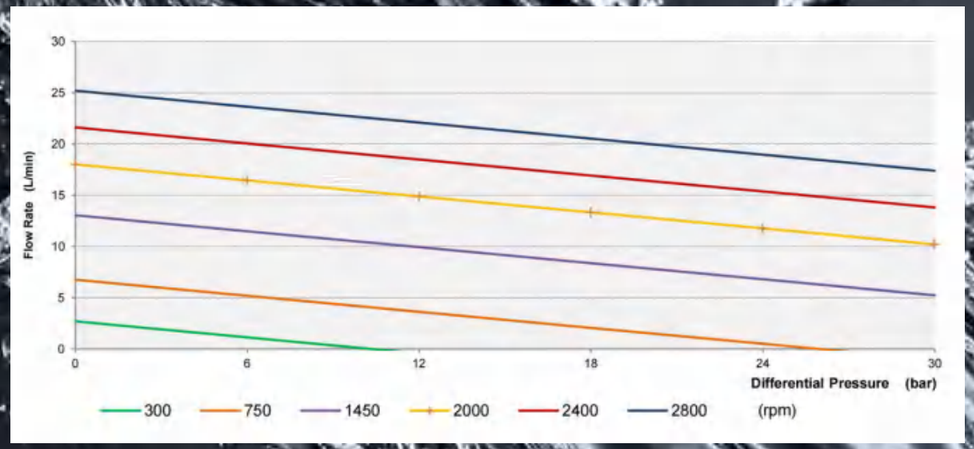




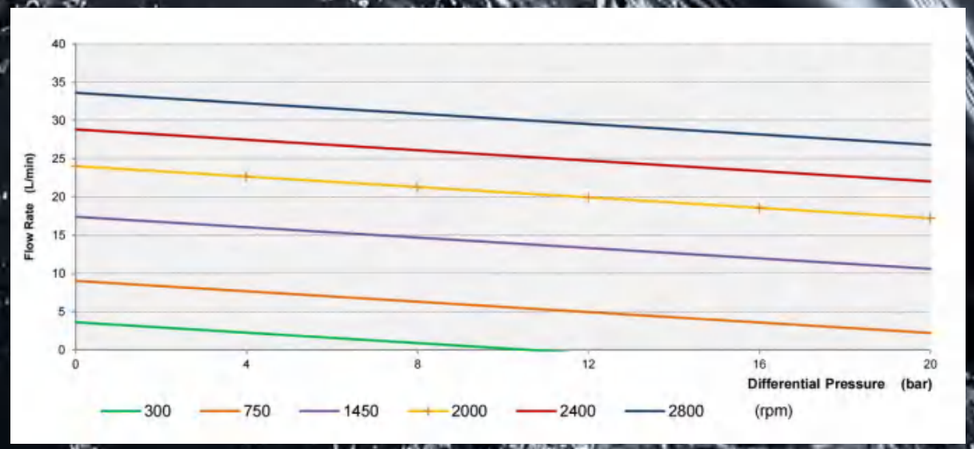
PERFORMANCE CURVE

water

Pump Head MRE 18/37
Measured with water 1 mPas 40°C

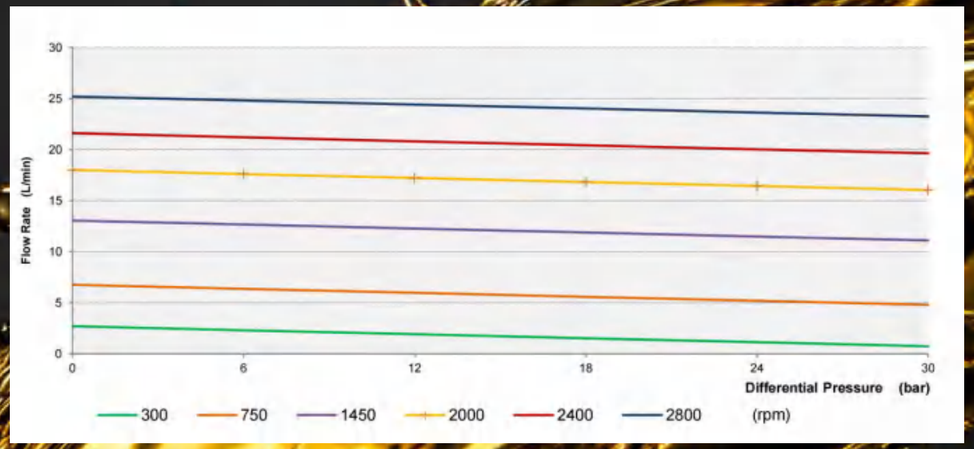


Pump Head MRE 24/37
Measured with water 1 mPas 40°C

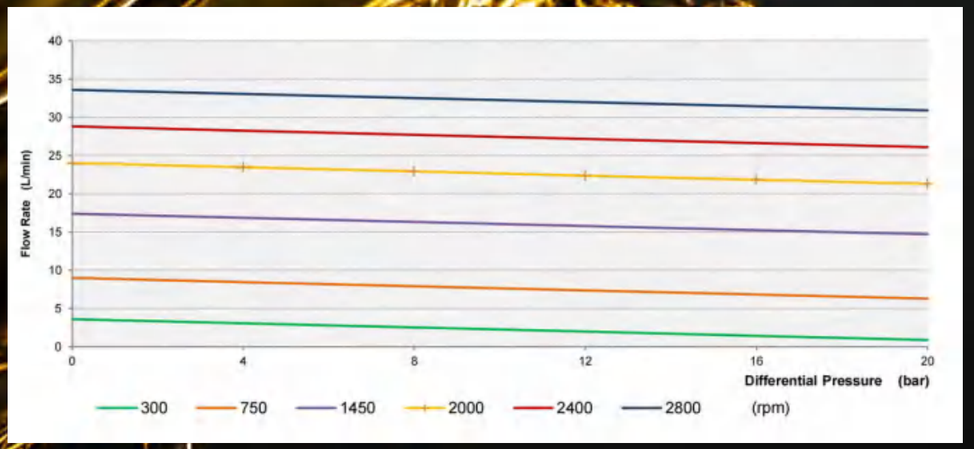


oil

Pump Head MRE 18/37
Measured with oil 100 mPas



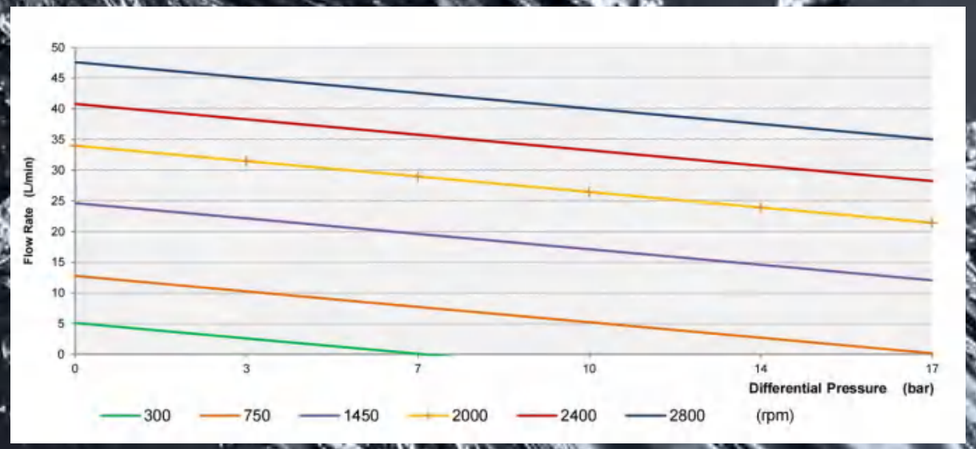
Pump Head MRE 24/37
Measured with oil 100 mPas



PERFORMANCE CURVE

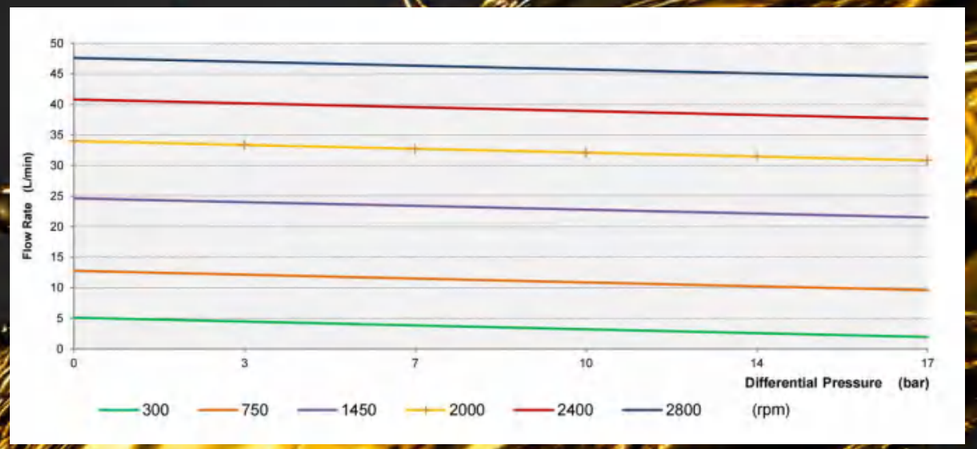
water

Pump Head MRE 34/37
Measured with water 1 mPas 40°C



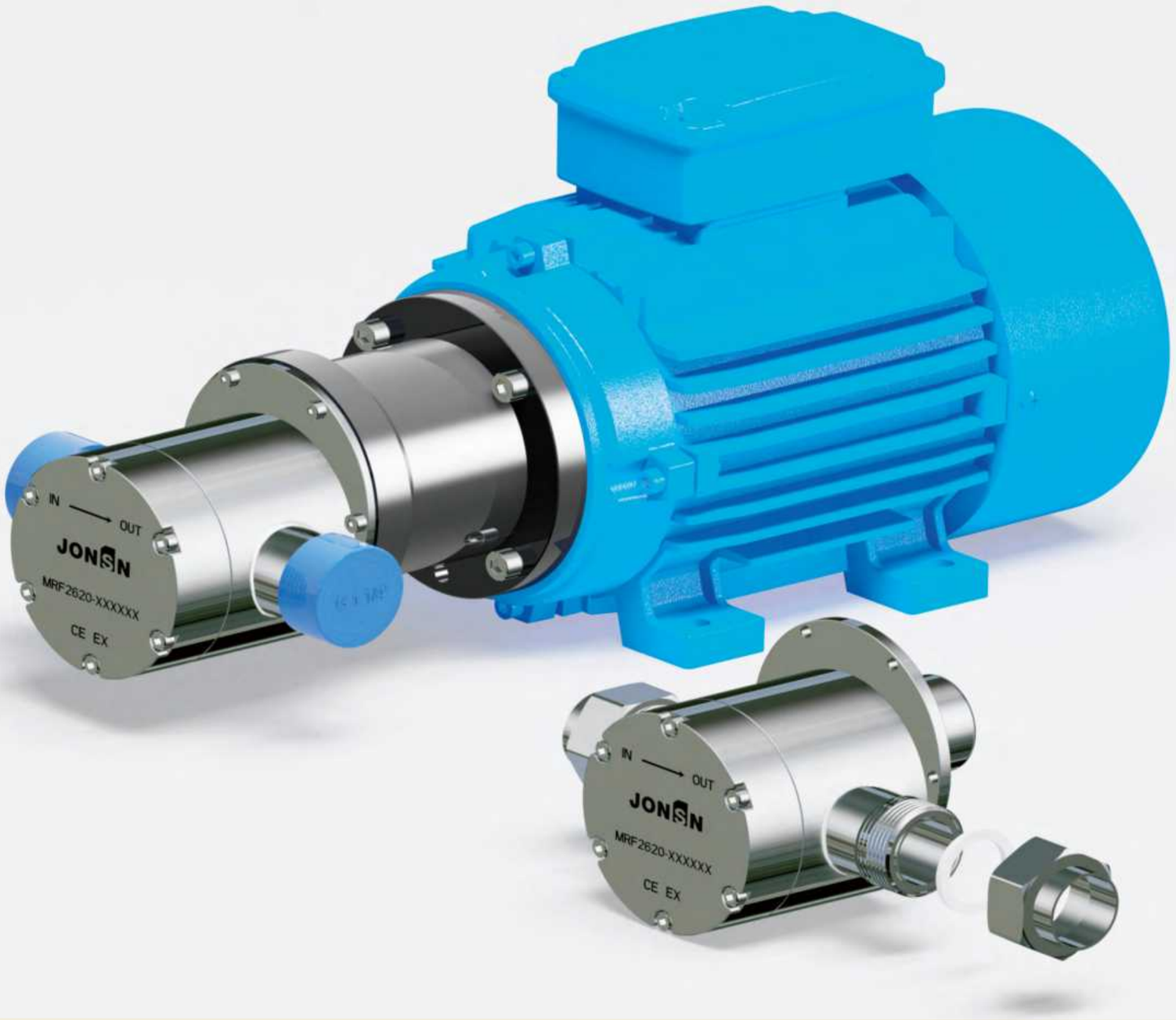
oil

Pump Head MRE 34/37
Measured with oil 100 mPas



MRF

LARGE FLOW TYPE GEAR PUMP



MRF

MICRO GEAR PUMPS

大流量型

Large flow type

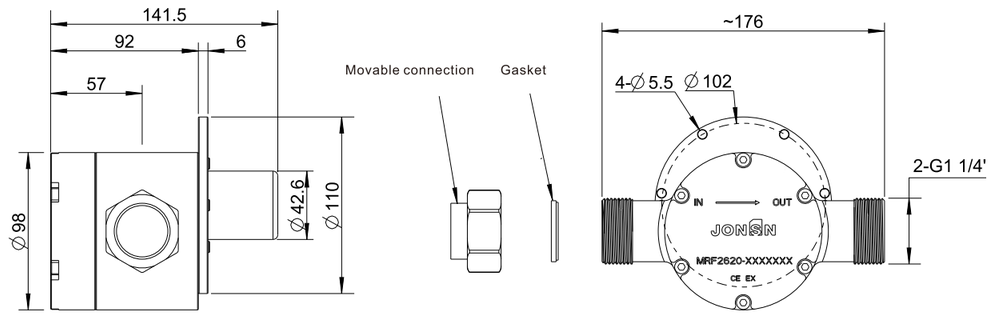


Resolvable working conditions

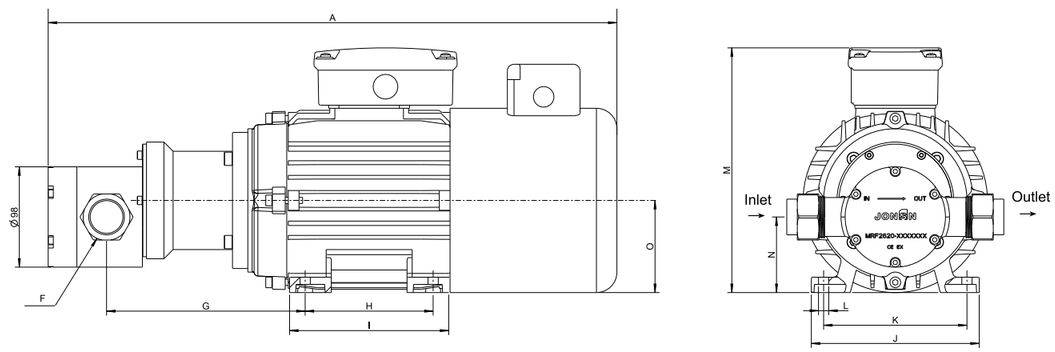
Flow rate 8L-64L/min

Working pressure difference 0.5-14.5bar

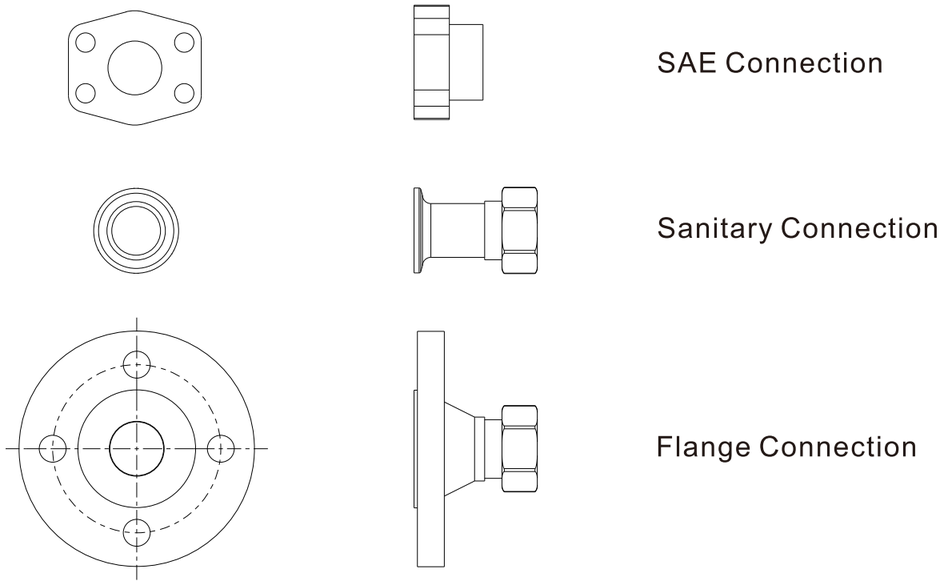
Viscosity 0.4-3000m.Pas (approximately water)



MRF IEC Motor 2.2-3Kw 90L 100L B34



Pumps order NO.	A	F	G	H	I	J	K	L	M	N	O	Q
MRF34/39-90L	~556	2-G11/4'	194	125	156	160	140	4-Φ10	~240	74	90	~212
MRF34/39-100L	~605	2-G11/4'	211	140	173	188	160	4-Φ12	~275	83.8	100	~212



SAE Connection

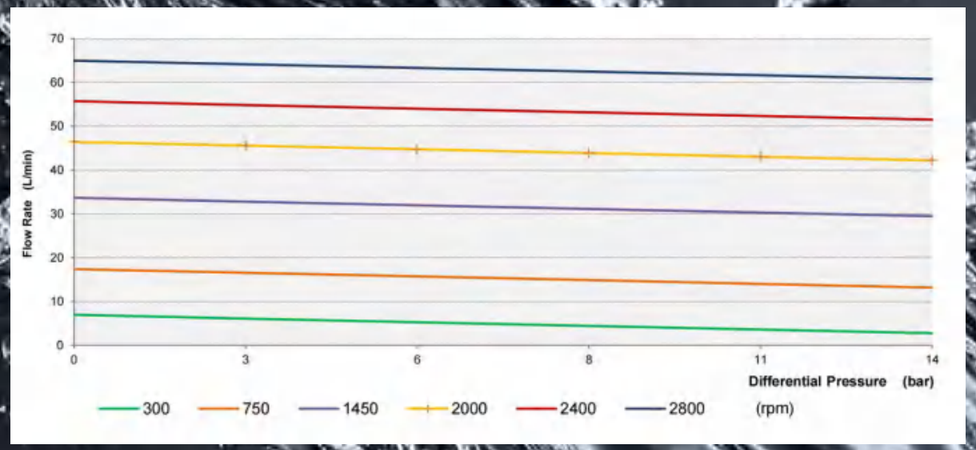
Sanitary Connection

Flange Connection

PERFORMANCE CURVE

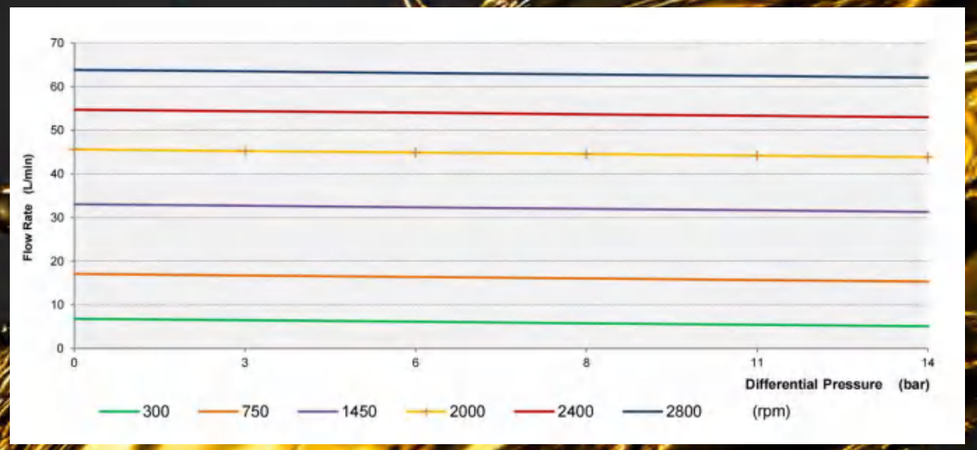
water

Pump Head MRF 34/39
Measured with water 1 mPas 40°C



oil

Pump Head MRF 34/39
Measured with oil 100 mPas



MRA-MRB IEC

MRA / MRB & IEC Motor

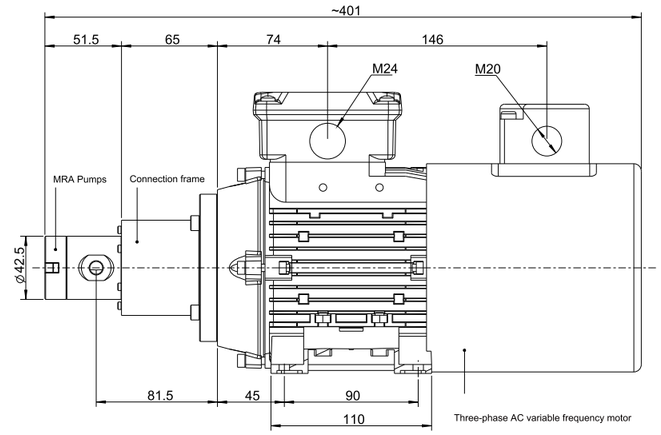
Standard : ABB Variable frequency motor
Option Brand: NANYANG, WANNAN, HUXIN, HEND

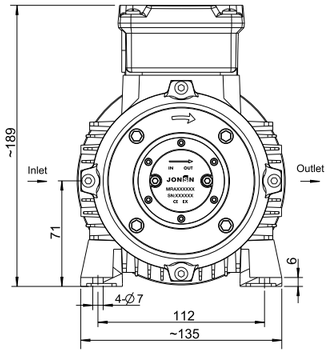


High-quality pumps, of course, need to be matched with an efficient and stable motor to provide stable power.

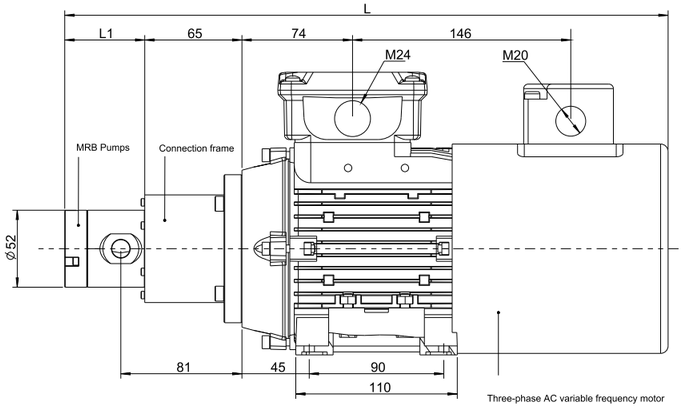
As a long term supporting partner of ABB, JONSN has been in depth cooperation with ABB for more than 10 years.

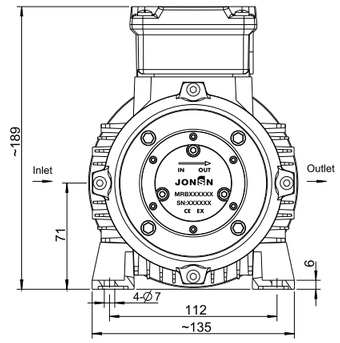
MRA IEC Motor 0.37Kw 71M B34





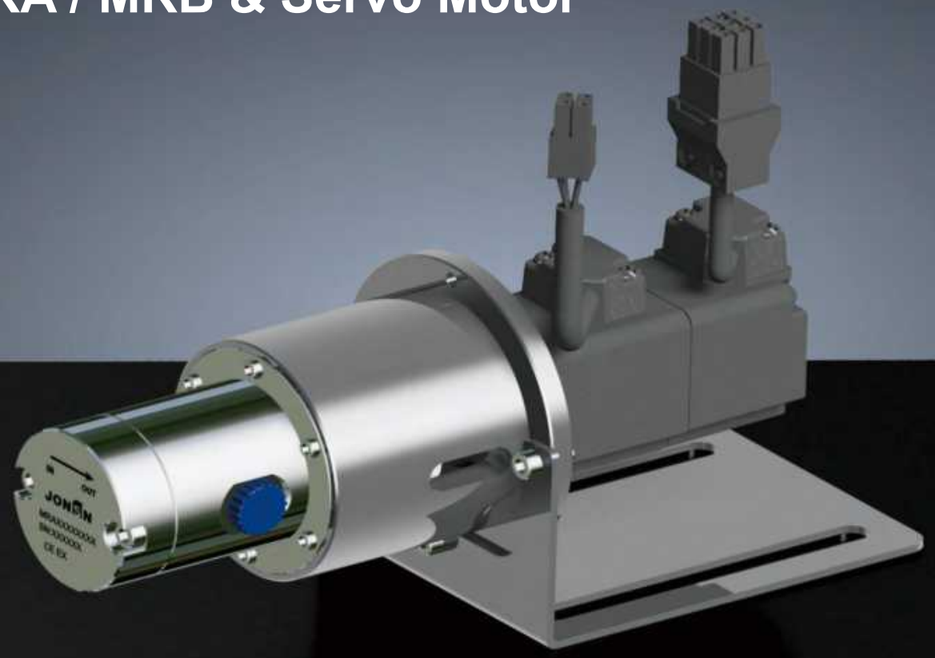
MRB IEC Motor 0.37Kw 71M B34



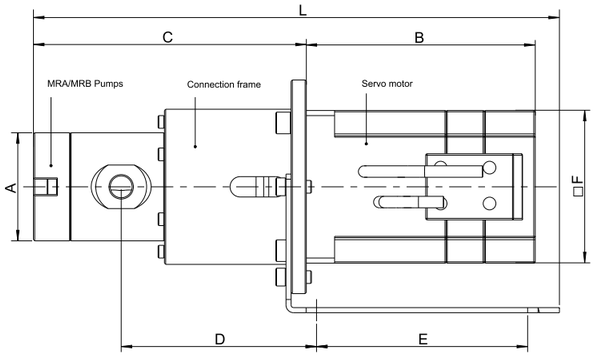


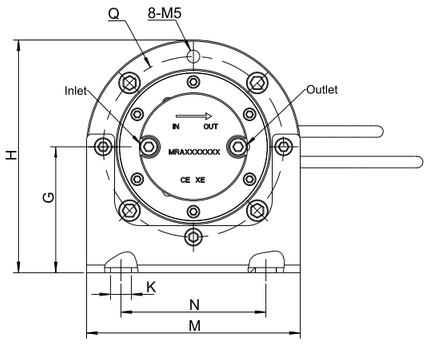
Pumps order NO.	L	L1
MRB 10/16	~ 404	53.5
MRB 12/16	~ 404	53.5
MRB17/16	~ 409	58.5
MRB19/16	~ 409	58.5

MRA / MRB & Servo Motor



Standard brand: DELTA
Option brand: Siemens, Panasonic, Mitsubishi, Yaskawa
Other customer offered motor can be installed by Jonsn.

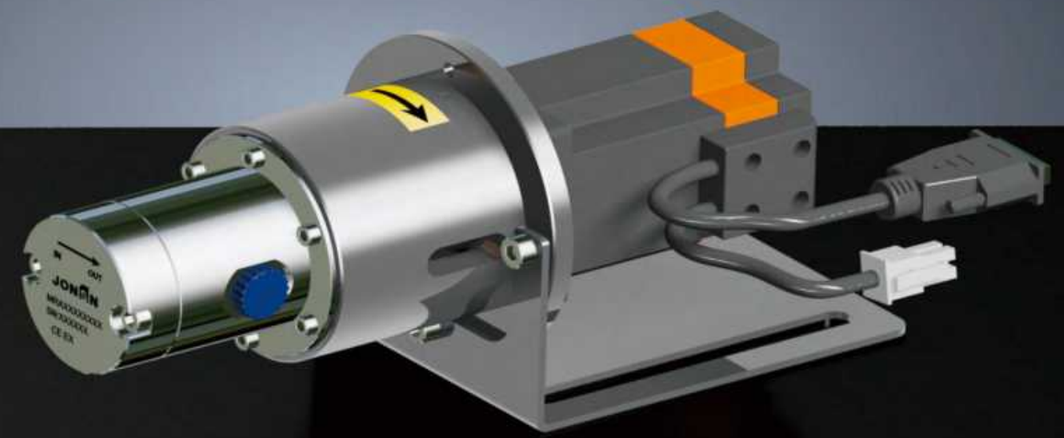




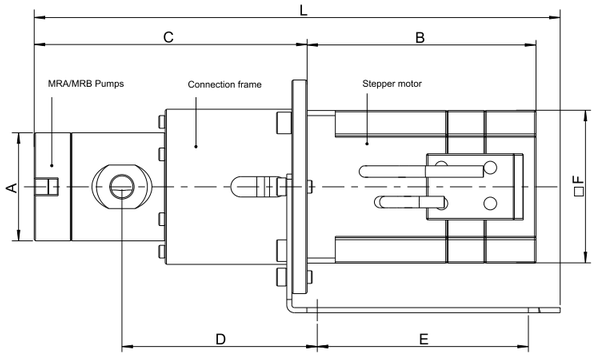
MRA / MRB & Servo motor 220V 100W-400W 0-3000rpm

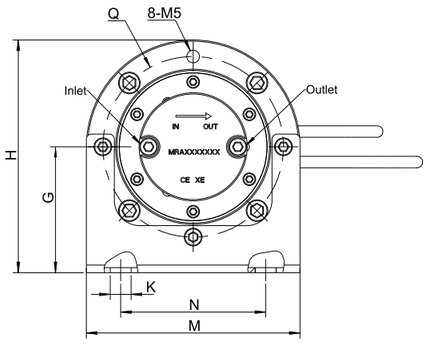
Pumps order NO.	A	B	C	D	E	F	G	H	K	L	M	N	Q
MRA & 100W	42.5	100	111	81	80	40	49.5	~92	8	210	84	57	71
MRA & 200W	42.5	105	117	86	80	60	49.5	~92	8	209	84	57	71
MRB10/16 & 200W	52	105	123	80	80	60	72	~124	8	207	105	80	90
MRB12/16 & 200W	52	105	123	80	80	60	72	~124	8	207	105	80	90
MRB17/16 & 200W	52	105	128	80	80	60	72	~124	8	212	105	80	90
MRB19/16 & 400W	52	130	128	80	80	60	72	~124	8	237	105	80	90

MRA / MRB & Stepper Motor



Standard: JONSN customize model
Option: 42, 57, 60, 86 base





MRA / MRB & Stepper motor 24V 2N.m 0-1500rpm

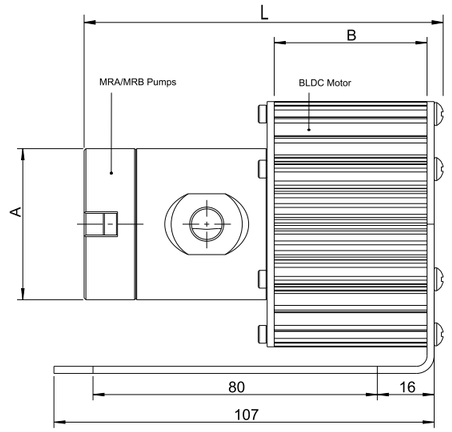
Pumps order NO.	A	B	C	D	E	F	G	H	K	L	M	N	Q
MRA & □ 60	42.5	90	106	77	80	60	49.5	~92	8	207	84	57	71
MRB10/16 & □ 60	52	90	108.5	70	80	60	72	~124	8	208.5	105	80	90
MRB12/16 & □ 60	52	90	108.5	70	80	60	72	~124	8	208.5	105	80	90
MRB17/16 & □ 60	52	90	113.5	70	80	60	72	~124	8	213.5	105	80	90
MRB19/16 & □ 60	52	90	113.5	70	80	60	72	~124	8	213.5	105	80	90

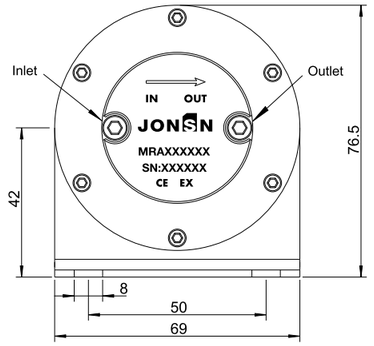
MRA / MRB & BLDC Motor



Standard: JONSN customize model
Option: 42, 57, 60, 86, 110 base

BLDC Motor MRA/MRB



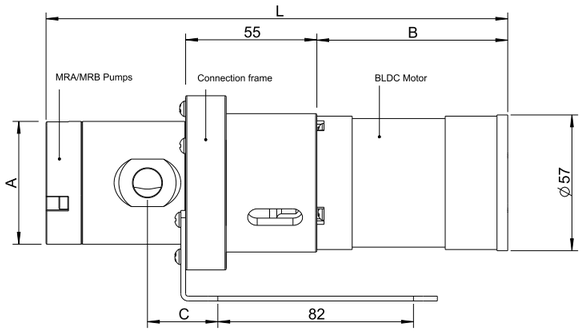


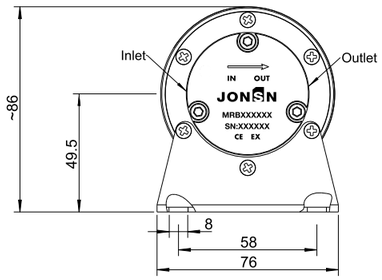
MRA / MRB & BLDC 12V / 24V 40W/70W 150-4000rpm

Pumps order NO.	A	B	L
MRA	42.5	42	102
MRB 10/16 MRB12/16	52	42	104
MRB 17/16 MRB19/16	52	42	109

MRA / MRB & BLDC 12V / 24V 100W 150-4000rpm

Pumps order NO.	A	B	L
MRA	42.5	49	107
MRB 10/16 MRB12/16	52	49	111
MRB 17/16 MRB19/16	52	49	116





MRA / MRB & BLDC 57 24V 120W 150-3000rpm

Order NO.	A	B	C	L
MRA	42.5	118	30.5	~225
MRB 10/16 MRB12/16	52	118	29.5	~227
MRB 17/16 MRB19/16	55	118	29.5	~232

MRA / MRB & BLDC 24V 150W 150-3000rpm

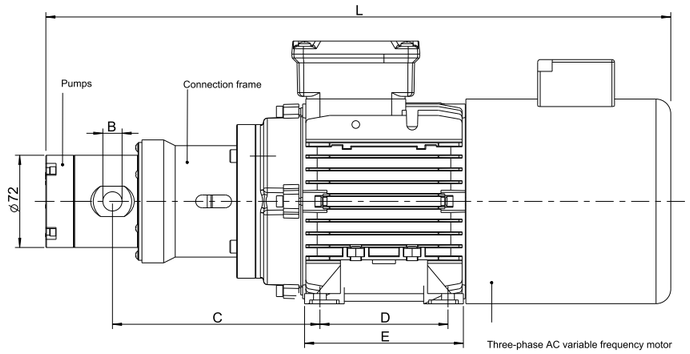
Order NO.	A	B	C	L
MRA	42.5	136	30.5	~243
MRB 10/16 MRB12/16	52	136	29.5	~265
MRB 17/16 MRB19/16	55	136	29.5	~250

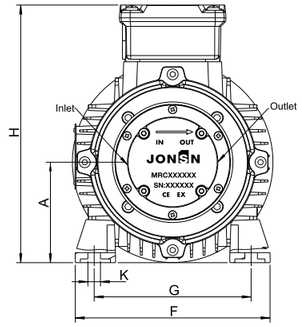
MRC / MRE & IEC Motor



Standard : ABB Variable frequency motor
Option Brand: NANYANG, WANNAN, HUXIN, HEND

IEC Motor MRC15 / 22 MRC20 / 22





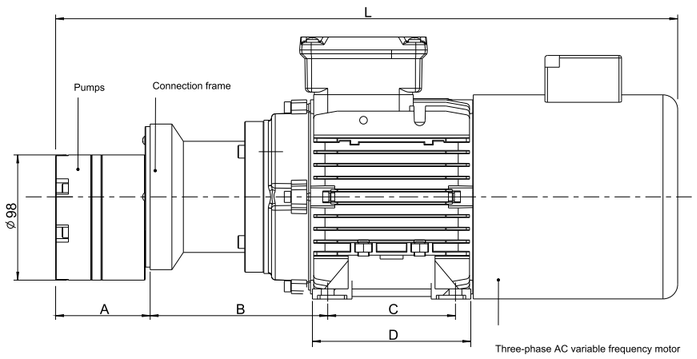
Power & 0.75-1.1Kw 2P 80M B34

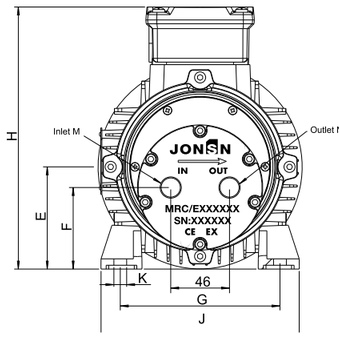
Pumps order NO.	A	B	C	D	E	F	G	H	L
MRC 15/22 MRC 20/22	80	G or NPT 3/8	162	100	135	~160	125	~205	~488

Power & 1.5Kw 2P 90L B34

Order NO.	A	B	C	D	E	F	G	H	L
MRC 15/22 MRC 20/22	90	G or NPT 3/8	178	125	165	~175	140	~235	~535

IEC Motor MRC 8/37 MRC12/37 MRE 18/37 MRE 24/37 MRE 34/37





Power & 0.75-1.1Kw 2P 80M B34

Pumps order NO.	A	B	C	D	E	F	G	H	J	K	L	M	N
MRC 15/22 MRC 20/22	74	139	100	135	80	64	125	~ 205	~ 160	4-∅10	~ 478	G or NPT 3/8	G or NPT 3/8
MRE 18/37 MRE 24/37 MRE34/37	96	139	125	165	90	64	140	~ 235	~ 175	4-∅10	~ 509	G or NPT 3/4	G or NPT 3/4

Power & 1.5Kw 2P 90L B34

Pumps order NO.	A	B	C	D	E	F	G	H	J	K	L	M	N
MRC 8/37 MRC12/37	74	155	100	135	80	64	125	~ 205	~ 160	4-∅10	~ 534	G or NPT 3/8	G or NPT 3/8
MRE 18/37 MRE 24/37 MRE34/37	96	155	125	165	90	64	140	~ 235	~ 175	4-∅10	~ 555	G or NPT 3/4	G or NPT 3/4

Power & 2.2-3Kw 2P 100L B34

MRE 18/37 MRE 24/37 MRE34/37	96	174	140	180	100	64	160	~ 275	~ 200	4-∅12	~ 584	G or NPT 3/4	G or NPT 3/4

We are deeply involved in micro flow rate on-line precision transporting field.

We have been service to domestic and foreign key laboratories, scientific research institutes, enterprises and institutions, etc.

Precision micro gear pumps are applied in semi-conductor, nuclear industry, special material producing, fine chemical industry.



With extensive fluid control expertise, we are able to supply you with professional micro flow solutions.

SELECTION PARAMETERS

Customer code _____ Address _____

company _____ Extension _____

Name _____ Fax _____

Department _____ E-Mail _____

Medium

Name _____ Viscosity _____ cps

Application areas _____ Medium temperature _____ °C

Concentration _____ % Ambient temperature _____ °C

Whether explosive ☐ Yes ☐ No Solid content ☐ Yes ☐ No ☐ Soft ☐ Hard

Density _____ Media status ☐ Fluidity ☐ Thixotropy ☐ Sticky ☐ Curing

Operating conditions

flow _____ L/min or _____ L/h Outlet pressure _____ bar

Inlet pressure _____ kpa _____ M Working frequency ☐ Continuous Intermittent ☐ Intermittent

Positive pressure or Suction

Vacuum _____ Kpa

Drive motor

☐ Single phase ☐ 24V BLDC motor

☐ Three phase ☐ 24V Stepper motor / 220 Servo motor

Application conditions

☐ No pulsation in the mouth ☐ Metering spray ☐ Cool down ☐ Wash

☐ Pressurization ☐ Circulation ☐ Lubricating ☐ Other

Your requirements

Please describe your application here or write down your remarks: