

Technical Data Table

Type	Pressure bar	Rated Flow L/h	Flow Range L/h	Rated Speed rpm	Speed Range rpm	Flange Size mm	Gear Motor IE2	Mounting	Rated Power kw	L mm	W mm	H mm
VG006-0.6P04 MMRS	12	30	15-36	375	180~450	G 1/2"	SK0XF-80S/4	B35	0.55	625	196	158
VD010-001P04 MMRS	12	70	35-85	375	180~450	G 1/2"	SK0XF-80S/4	B35	0.55	625	196	158
VD015-006P02 MMRS	6	350	170-420	375	180~450	G1 1/4" or DN32	SK0XF-80S/4	B35	0.55	764	196	158
VD015-003P04 MMRS	12	175	80-210	375	180~450	G1 1/4" or DN32	SK0XF-80S/4	B35	0.55	764	196	158
VD020-018P02 MMRS	6	1000	500-1200	375	180~450	G1 1/4" or DN32	SK0XF-80LH/4	B35	0.75	845	224	168
VD020-009P04 MMRS	12	500	250-600	375	180~450	G1 1/4" or DN32	SK0XF-80LH/4	B35	0.75	845	224	168
VD030-056P02 OHRS	6	3000	1500~3600	360	180~430	DN50/PN16	SK01F-AL-90LH/4	B5	1.5	1074	287	315
VD030-028P04 OHRS	12	1500	750~1800	360	180~430	DN50/PN16	SK01F-AL-90LH/4	B5	1.5	1074	287	315
VD035-120P02 OHRS	6	6000	3370~7500	320	180~400	DN65/PN16	SK25F-AL-100LH/4	B5	2.2	1349	309	350
VD035-120P02 OHRS	6	6000	3370~7500	320	180~400	DN65/PN16	SK25F-AL-100LAH/4	B5	3	1349	309	350
VD035-060P04 OHRS	12	3000	1685~3750	320	180~400	DN65/PN16	SK25F-AL-100LH/4	B5	2.2	1349	309	350
VD035-060P04 OHRS	12	3000	1685~3750	320	180~400	DN65/PN16	SK25F-AL-100LAH/4	B5	3	1349	309	350
VD040-010P02 OHTS	6	8000	4800~12000	300	180~400	DN80/PN16	SK25F-AL-112MH/4	B5	4	1462	319	394
VD040-005P04 OHTS	12	4000	2400~6000	300	180~400	DN80/PN16	SK25F-AL-112MH/4	B5	4	1462	319	394

The above technical data is only valid for subtor metering pump with 1 stage and 2 stages, maximum pressure allowance 12 bar. Please contact our service manager to get more information for the pressure being over 12 bar.

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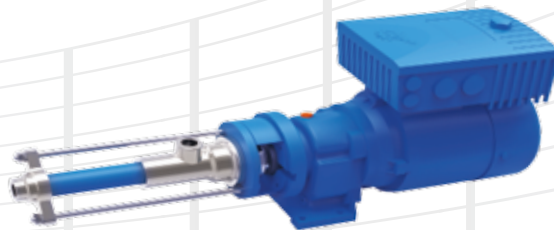
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@Subtor Catalogue/MM Pump Ch/Rev.3/201812



MM Pump

Compact Structure , Accurate metering, No Pulse

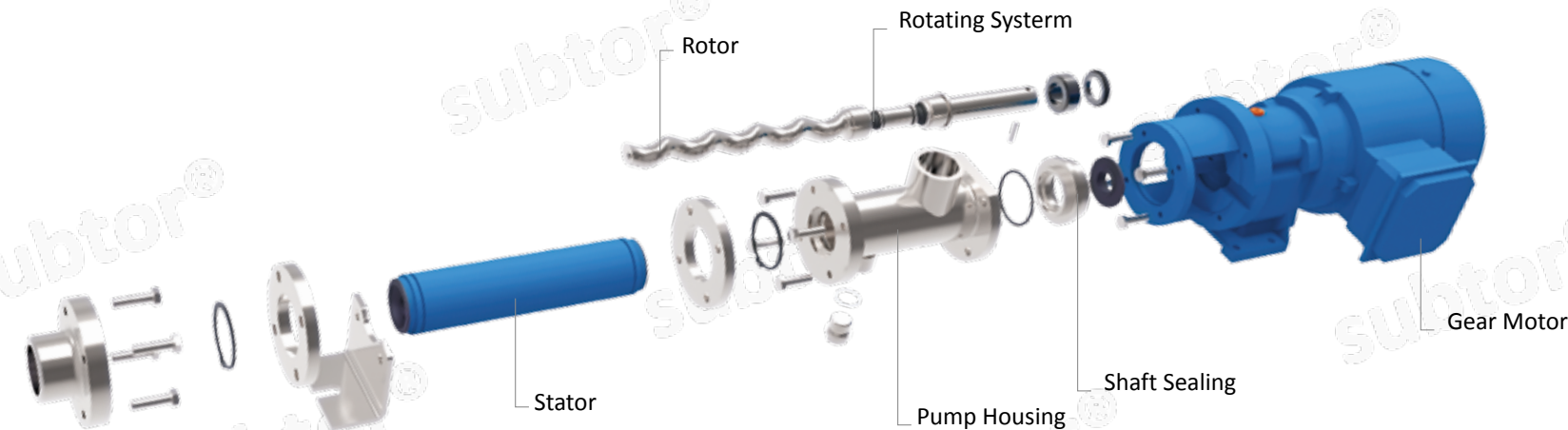


High Performance German  
Down hole and Conveying Technology



MM Pump

Subtor progressive cavity Pumps are widely used in accurate metering field, for the outstanding advantages of compact structure, accurate metering, no pulsation, flow being directly proportional to the rotational speed and metering tolerance±1%.



Characteristics	Benefits
Viscosity	1mPas-1,000,000 MPa.s
Metering Precision	Pump delivery is directly proportional to revs, and accuracy of flow can be strictly controlled
Performance	Smooth, pulseless, vibrationless, noiseless, continuous conveyance
Elastomers and Rubber	Germany imported, Various rubber compounds for resisting swelling or corrosion
Materials in contact with fluid	Been surface hardening treated, higher abrasion resistant
Heat Resistance	-20℃ ~180℃
Pressure Bearing	0 ~ 2.4MPa
Maintenance	Compact structure, easy maintenance, moderate cost and long service life of spare parts

Material of Rotor

Usually, both common stainless steel(SS304 or SS 316) and duplex stainless steel(SS32205,SS31260) are all available as the material to manufacture rotors, with the surface being electroplated. Also the surface can be treated by thermal spray welding to greatly improve the ability of corrosion-resistance and abrasion-resistance. Cemented carbide can be chosen as the spray welding material.

Stator Rubber Material

Usually, the rubber of (NBRF, NBRH, HNBR, EPDM and FKM) is used as the material for stator, and under special conditions, PTFE rubber is used to achieve the best performance.

Stator rubber material		
Name	Code	Characteristics
Nitrile Butadiene Rubber Food Grade	NBRF	Widely used rubber, good comprehensive property; Good resistance performance to abrasion, corrosion, diluted acid,compression,wide usage field; suitable for food, beverage and pharmaceuticals industry
High Propylene Nitrile Butadiene Rubber	NBRH	Good resistance to abrasion, corrosion, dilute acids, swelling, aging, oil and compression; Apply to petroleum and chemical Industry; Not resistance to concentrated acids, hydrocarbon, ketone, ester and ozone
Hydrogenated Nitrile Butadiene Rubber	HNBR	High resistance to abrasion, corrosion, compression, tension, swelling, aging, oil, steam, high temperature and benzene; Not resistance to concentrated acids, hydrocarbon, ketone, ester and ozone
Ethylene Propylene Diene Monomer	EPDM	Very good resistance to alkali, dilute acids, water, steam, alcohol, ketone, chilling, aging, corrosion, compression, tension; Not resistance to oil, benzene and hydrocarbon
Fluoro Rubber	FKM	Excellent resistance to corrosion, concentrated acids, dilute acids, high temperature, medical, oil, compression, aging and ozone; But not resistance to corrosion and tension

Announcements

- NORD gear motor(protection class IP55,Insulation grade F class),mechanical seal and NBRH rubber stator are the standard parts for subtor metering pump.
- Any exceptional requirement such as special material, special energy efficiency, frequency conversion or the pressure over 24 bar, please make further inquiry with our service manager.
- Normally, the delivery period will be 3-6 weeks. Please consult our service manager in advance for special requirements.

Introduction

MM metering pump can be used in a repeated, accurate metering system or transfer application of abrasive materials, such as lithium battery coating, automotive sealing glue, glue of the electronic components of the electronic industry, solar panels paint for conductance, laboratory chemicals, medicine pharmacy of precise injection, extraction, mixing and matching; slurry or paste medium measure of dispensing, and battery paste packaging and injection; sewage treatment plant dosing; paper mill accurate dosing metering.

Applicable Medium

- Organic Preparations----Ammonia, Alcohol, etc.
- Additives----Gum, diatomite filter aid, etc.
- Sizing material----Glue, fulmargin, etc.
- Macromolecular Compound----PAM, amylum, protein, etc.
- Food filling----Cream-based sauces, Ketchup, meat pastes, etc.
- Catalysts
- Abrasive material

Applicable Industry

- Chemical lines
- Machinery manufacturing
- Automobile & Shipbuilding
- Food industry
- Paper-making
- Sewage treatment
- Biology-pharmacy
- Electronic component
- Battery Industry
- Energy sector
- Cosmetics

