



PUMP VIJEH
DOSIERTECHNIK

MR METERING PUMPS SERIES

PRODUCT BROCHURE





PUMP VIJEH
Co. DOSIERTECHNIK

PRODUCT
IMAGE



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GENERAL INFORMATION

- GENERAL

Diaphragm metering pumps of the MEMDOS MR series have been developed for a broad range of applications in metering technology. Thus they are used in the industrial sector, in process engineering and very frequently in water and waste water treatment.

Diaphragm metering pumps are leak proof.

The available heads are from 90~1980 l/h. MR series are manufactured with materials that can resist most chemicals products, even acids. They are designed for all sorts of processes where it is necessary to dose a product into a hydraulic network, such as: food, textile, chemical industry, water treatments, etc.

Dosing flow of each module is adjustable independently with no need to stop the pump from 0% to 100% of its capacity.

Standard versions are metering pumps with a left-hand metering head design. Duplex metering pumps with two identical, independently adjustable metering heads up to MR980 are also available. The motor output for duplex pumps equals to the output for single pumps as the metering heads operate on a reciprocating basis.

- METERING HEAD

The metering heads are available in uPVC, PP, and stainless steel. Special materials are available upon request. Suction and discharge valves are double-ball valves up to the MR 290 version; for the bigger pumps, spring-loaded flat-seat valves are used. For viscous media of 400 mPas and more, spring-loaded single-ball valves are recommended for the suction and the discharge side.



o GENERAL i INFORMATION

- SEPARATING CHAMBER

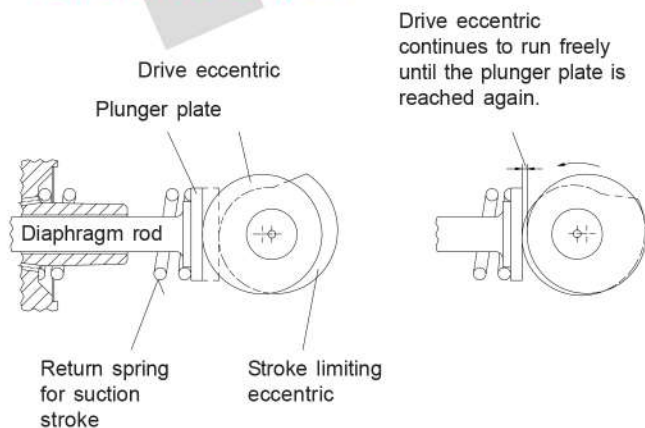
The diaphragm flanges have been designed so that, in the case of a diaphragm rupture due to wear, no chemical can escape randomly from the pump or enter the gear. The leakage is routed downwards through a drain pipe. The diaphragm flanges thus function as a separating chamber and are protected against aggressive media

- DRIVE UNIT

The drive unit consists of an oil-filled worm gear. The stroke is generated by an eccentric which moves back and forth a spring-loaded plunger fixed to the diaphragm. The metering stroke is achieved by the pushing force of the eccentric, the resetting of the spring causes the suction stroke. The stroke length is set by limiting the plunger return by means of a manually adjustable eccentric disk used as a stop. The stroke length which determines the metering capacity can be adjusted manually during operation between 0 and 100 %.

The standard version is equipped with manual adjustment.

- PERFORMANCE DIAGRAM





DIMENSION

- SIMPLEX PUMPS

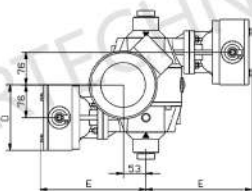
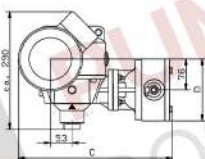
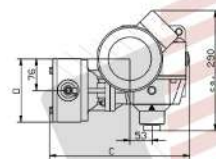
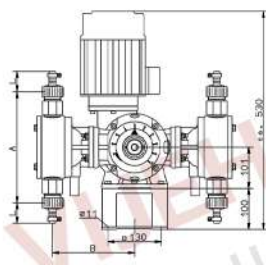
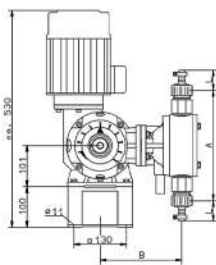
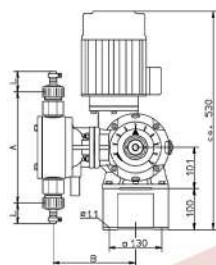
Left-hand version

MR 50 L ... MR 980 L

Right-hand version

MR 50 R ... MR 980 R

- DUPLEX PUMPS



- DIMENSIONS

Model MR	A	B	C	D	E
50	272	201	370	∅ 152	228
75	272	201	370	∅ 152	228
115	272	201	370	∅ 152	228
140	272	201	370	∅ 152	228
210	272	201	370	∅ 152	228
290	296	201	370	∅ 170	225
400	265	255	425	∅ 230	300
600	265	255	425	∅ 230	300
980	265	255	425	∅ 230	300

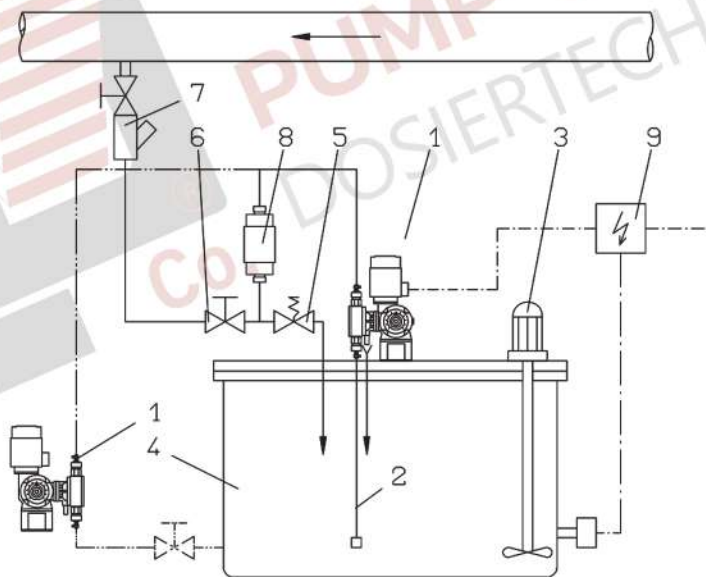




INSTALLATION

- INSTALLATION EXAMPLE:

- 1 Metering pump TM
- 2 Suction pipe
- 3 Electric agitator
- 4 Tank
- 5 Pressure relief valve
- 6 Ball valve
- 7 Injection point
- 8 Pulsation dampener





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Co.

شرکت پمپ ویژه در سال ۱۳۷۲ با اخذ موافقت اصولی از وزارت صنایع تشکیل گردید و با توجه به شرایط روز کشور اقدام به بستن قرارداد انتقال دانش فنی و ساخت انواع پمپ تزریق مواد شیمیایی با شرکت JESCO آلمان نموده است پس از مدتی با توجه به نیازهای صنایع مختلف در ایران اقدام به همکاری با شرکت های DEBEEM ایتالیا و ITC اسپانیا و اخذ نمایندگی انحصاری نموده است.

تهران جاجرود سعیدآباد کوچه البرز شماره ۲۵ 

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