



SINGLE COMPONENT PRODUCTS FOR LUBRICANTS

PUMPS, PRESSURE REGULATORS & VALVES

METERING & DISPENSING OF SINGLE COMPONENT MATERIALS

Piston Pump

METER MIX® drum pumps feature double acting chop check pumps. They feed single component medias such as greases and oils up to NLGI 3 directly and clean from original containers.

Product features

- Double acting pump
- Chop check transfer system
- 1 hand operation
- Pressure ratio of 33:1
- Simple venting during container change
- Adjustable packing nut for seal tightening



Technical specifications

Model		MM030C33-SC00	MM080C33-SC00	MM200C33-SC00
Drum size	l	30	80	200
Pressure ratio		33:1		
Flow rate (at 40 double strokes)	l/min	1.1 (with 72 cst servo grade oil)		
Material viscosity	NLGI	0-3		
Working pressure	bar	30-180		
Air consumption (at 40 double strokes)	l/min	280		
Dimensions base plate (LxB)	mm	610 x 600	610 x 600	870 x 760
Height - lifter not extended (H)	mm	970	1170	1454
Height - lifter extended (H max.)	mm	1570	1970	2504

Pump nomenclature (example: MMZZZC33-SC00)

MM	Manufacturing company "METER MIX®"	
ZZZ	Drum size (030, 080 & 200 in litres)	
C	Type of transfer pump C = Chop check type for high viscosities (NLGI 0 – NLGI 3)	
33	Pressure ratio	
S	Single hand control for pump operation	
S / C	Material of follower plate S: Stainless steel C: Carbon steel	
0 / 1	Level alarm options 0: Without low level alarm 1: Adjustable low level alarm with shut off	
0 / 1 / 2	Base plate options 0: Base plate only 1: With lockable wheel 2: With levelling feet	

Material Pressure Regulator

The METER MIX® material pressure regulators reduce the pressure of the fed material to the required working pressure. Apart from reducing pressure (main function), these valves compensate pulsations which occur during material delivery with piston pumps due to the changeover position of the pump.

Product features

- Accurate material pressure regulation
- A constant material flow is ensured
- Compensation of pulsations



Technical specifications

Product code	Internal diameter	Flow rate at 50'000 mPa s	Material input pressure (P work)	Material output pressure	Maximum pressure (P max)
	mm	l/min	bar	bar	bar
80002	4	<0.5	20-250	6-50	250
80001	8	1.0-12			

Dispensing Valve

Dispensing valves are used for processing low to high viscose media. Adjusting the position of the needle in relation to its seat can control the size of the outlet orifice, thus giving control of the flow rate of the material.

Product features

- Adjustable orifice for flow control
- High pressure handling capacity



Technical specifications

Product code	Internal diameter	Maximum flow rate at 50'000 mPa s	Material viscosity	Working pressure (P work)	Maximum pressure (P max)
	mm	l/min	mPa s	bar	bar
80101	2	1	10-200'000	250	315
80102	6	5			

Mini Metering Valve

Mini metering valves are used for metering extremely small shots of materials from low to high viscose media.

Product features

- Adjustable metering volume
- High-precision, repeatable metering
- High speed cycle time, up to two shots per second
- Pneumatic control



Technical specifications

Product code	Metering volume	Material viscosity	Material input pressure (P work)	Maximum pressure (P max)
	ml	mPa s	bar	bar
80103	0.005-0.1	10 - 200'000	3-20	20

Chamber Metering Valve

The chamber metering valve is constructed with a metering chamber, whose size is adjustable for the required metering volume.

Product features

- Adjustable metering volume
- High-precision, repeatable metering
- Pneumatic control
- Snuff back effect



Technical specifications

Product code	Metering volume	Material viscosity	Material input pressure (P work)	Maximum pressure (P max)
	ml	mPa s	bar	bar
81501	0.05-0.5	1'000 - 1'000'000	40-80	150
81502	0.1-3.0			

ABOUT METER MIX®

METER MIX® Systems Ltd was established in 1989 with the aim of producing reliable machines for processing single and two component materials. Materials successfully processed using METER MIX® equipment include epoxy, polyurethane, silicone, polysulphide, polyester and methacrylate based resins as well as greases and oils, which are utilised in a wide diversity of manufacturing operations. Our knowledgeable and professional Sales & Technical team work in close co-operation with the customer and material manufacturer to ensure that the machine specification is tailored to suit both the processing parameters of the material as well as the requirements of the application. As a company, we fully respect the confidential nature of the projects in which we are involved and our impartial and ethical approach provides an assurance that the most suitable solution is provided.

R&D

As a manufacturer of meter, mix and dispense machines, the company works in close collaboration with all major material manufacturers so as to develop and evolve the product range to meet the latest formulation and application requirements. Extensive test and demonstration facilities ensure that all METER MIX® components and machines are able to provide reliability and longevity in the ever more demanding requirements of today's manufacturing industries.

AFTER SALES SERVICE

All components and machines are carefully and extensively tested before delivery to the customer. The company's experienced and fully trained technicians are available to commission the equipment at the customer's site and provide full operative training. Once in production, our team of skilled and dedicated service engineers are available to provide preventative maintenance by means of service contracts or reactive support where required. Standard parts, service kits and consumable items such as static mixing nozzles are readily available from stock.



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