



2KM (UK) Limited

Metering and Mixing Systems.



Piston Metering System for High Viscosity Materials

PolyTool 2K8120



PolyTool 2K8120 System

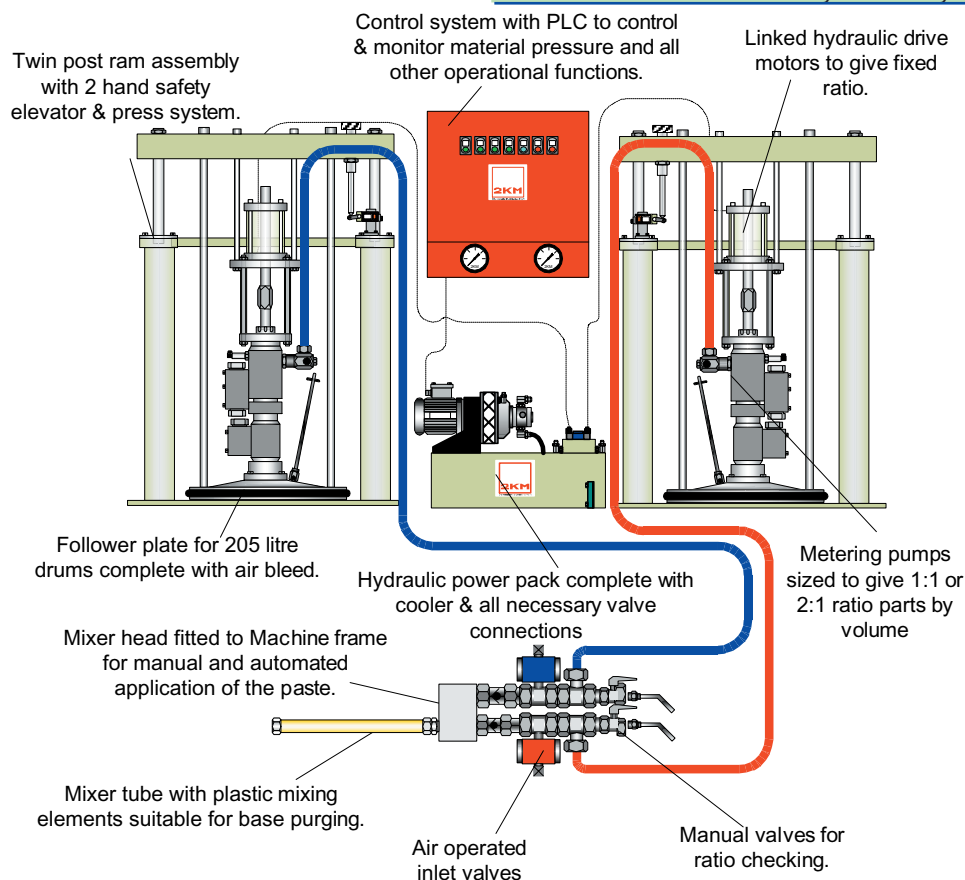
2KM PolyTool 2K81200 system has been designed to meter, mix and apply high viscosity material direct from open topped 205 litre drums. The system uses constant output, externally valved chop check pumps dispensing on each stroke giving the machine a smooth flow of material from the mixing head.

The unit is a robust, hydraulically driven, fixed ratio system with linked drive cylinders to ensure the pumps reciprocate in tandem at all times. The size of the metering determine the ratio dispensed. The drive cylinders are mounted in line with each metering pump provided direct motive power eliminating side thrust and seal wear associated with traditional metering systems.

Designed to meter the product direct from the supplied container the system has an open framework allowing easy material changes and ease of maintenance on the metering pumps.

The unit has simple to use control system with a two hand safety arrangement for drum changing and the use of contact manometers to monitor the pressure of the product on each pump stroke.

System Layout



Mixing of the material is via a high flow static mixer block with automatic base purge to clean the system once production is complete.

The whole package offers reliability with a robust design with over 20 years proven service in all areas of production using most of the common materials in use today.

All systems are fully supported via the extensive 2KM after sales network.

Technical Data

Description	PolyTool 2K8120	2K8120 HF
Metering system	Chop Check piston metering pumps	
Drive system	2.2 Kw hydraulic drive	3.0kW Hydraulic drive
Pump type	Piston Metering pumps	
Output (depending on pump size & ratio)	to 4,000cc/min	to 6000cc/min
Material Feed	Direct from open top 205 litre drums	
Viscosity range	from 60,000 to 500,000 cps	
Hose length	3 metres as standard	
Mixer Heads	25mm Steel static mixer 24 elements	
Material ratio's available	100:100 , 100:50 & 100:40 pbv.	
Dimensions L x B x H in mm)	1500 x 1200 x 2000 mm (l x b x h)	

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