



Customized for any requirement Metering pumps for polyurethane systems

Engineering Passion

Krauss Maffei

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Reactive systems are a tough challenge for pump design. KraussMaffei's KM-HPP and KM-HPP2 axial piston metering pumps are specially adapted to work on reactive systems. They are installed in metering machines and are used as spare parts for existing machines. The discharge capacity has been optimally adapted to customer applications and to the current mixing head product range. Benefits for you include the far longer service life, the immediate availability directly ex works, and fast, uncomplicated after-sales service from KraussMaffei.

Features

- Rugged and compact design for high-precision metering of reactive systems
- Tried-and-tested axial piston bent axis design with stepless adjustment by handwheel or via motor speed
- Optimally modified for the properties of the fluids being pumped
- Power transfer of the pumps via integrated magnetic coupling without mechanical seals and with integrated cooling
- Optional magnetic coupling for the KM-HPP pump

Options

- KM-HPP2 – Sizes 3 and 6 also available in a corrosion-resistant design
- Hybrid ceramic bearing instead of standard bearings
- Operation in a closed circuit as an alternative
- Sensor-controlled monitoring of roller bearings for prompt warnings of bearing damage
- Temperature sensor in the bearing area

Technical data

Type		KM-HPP2					KM-HPP (fully compatible series)	
Nominal size	[cm ³]	3	6	12	20	28	12	28
Volume flow at n=1.450 rpm	[liters/ min]	4.1	8.2	16.3	28.2	39.5	16.3	39.5
Nominal pressure	[bar]	250	250	250	250	250	250	250
Speed (from-to)	[rpm]	400-1750						
Volumetric displacement	[cm ³ /r]	2.9	5.8	11.6	20.4	28.15	11.6	28.15
Weight with coupling	[kg]	46.8	46.8	46.7	68.3	68.3	47.7	76.3

Your advantages:

- Significantly increased service life
- An array of pump sizes to match customer applications
- Corrosion-resistant components thanks to a special surface treatment
- Good volumetric efficiency
- Fast and convenient KraussMaffei in-house service and immediate availability ex works from KraussMaffei Munich

Also for KM-HPP2:

- Adjustment spindle outside the pump chamber for easier seal changes
- Drive shaft bearing adapted to operating conditions with reactive systems