



DOPAG Metering System for low viscosity, medical media DOSO-MED



Hilger u. Kern / Dopag Group

DOSO-MED

for low viscosity, medical media

The DOSO-MED is a clean room compatible metering system, used to fill double syringes with low viscous media, in the ratio range between 1:1 and 10:1 by volume.

Typical Applications

- Filling double syringes



Features and benefits

- Variable fill volumes for each component
- Processing of medical media
- Exact repeatability of filling operation
- Clean room compatible
- No syringe contamination
- Simple disassembly for sterilisation
- Simple cleaning
- Short cycle time, depending on syringe type and fill volume

Equipment

Standard

- Pressure vessels 6 l
- Bench top
- Vacuum pump
- Syringe adapter with stroke adjustment
- PLC control unit
- Equipment for simple disassembly

Optional

- Further adaptors for different syringe types
- Automated syringe positioning

Function

The original containers can be placed directly into the pressure vessels or alternatively, the materials can be emptied into them. The pressure vessels feed the materials to the dispensing unit.

The double syringe is located into the adaptor and placed under vacuum. To start the filling process a two hand operation unit is used.

Prior to the removal of the double syringe any possible contamination is extracted, so that the syringe can be removed in a clean condition.

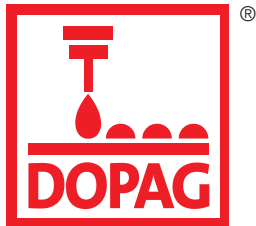
The system is controlled by a PLC. This enables integration into a semi or fully automated production line.



Technical Data

Syringe sizes	1 / 2.5 / 5 and 10 ml
Flow rate	0.5 to 11 ml, depending on syringe type
Volumetric ratio	1:1 to 10:1, depending on syringe type
Material supply	Pressure vessels, 6 l
Viscosity range	up to 1000 mPa s
Power supply	110-230 V / 50/60 Hz / 0.4 kW
Maximum air inlet pressure	6 bar
Dimensions, L x W x H	approx. 1000 x 500 x 1200 mm
Required space (system and operator), L x W	approx. 2000 x 2000 mm
Weight	approx. 140 kg

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The Hilger u. Kern / Dopag group, with more than 300 employees, 7 subsidiaries and 24 distributors, is one of the leading manufacturers of metering and mixing systems in the world for plural component polymers and single component media such as greases, oils and pastes. For more than 30 years the group has developed systems and components to suit your individual needs.