

Technical Data Sheet MAGIT Die Modules

Application & use:

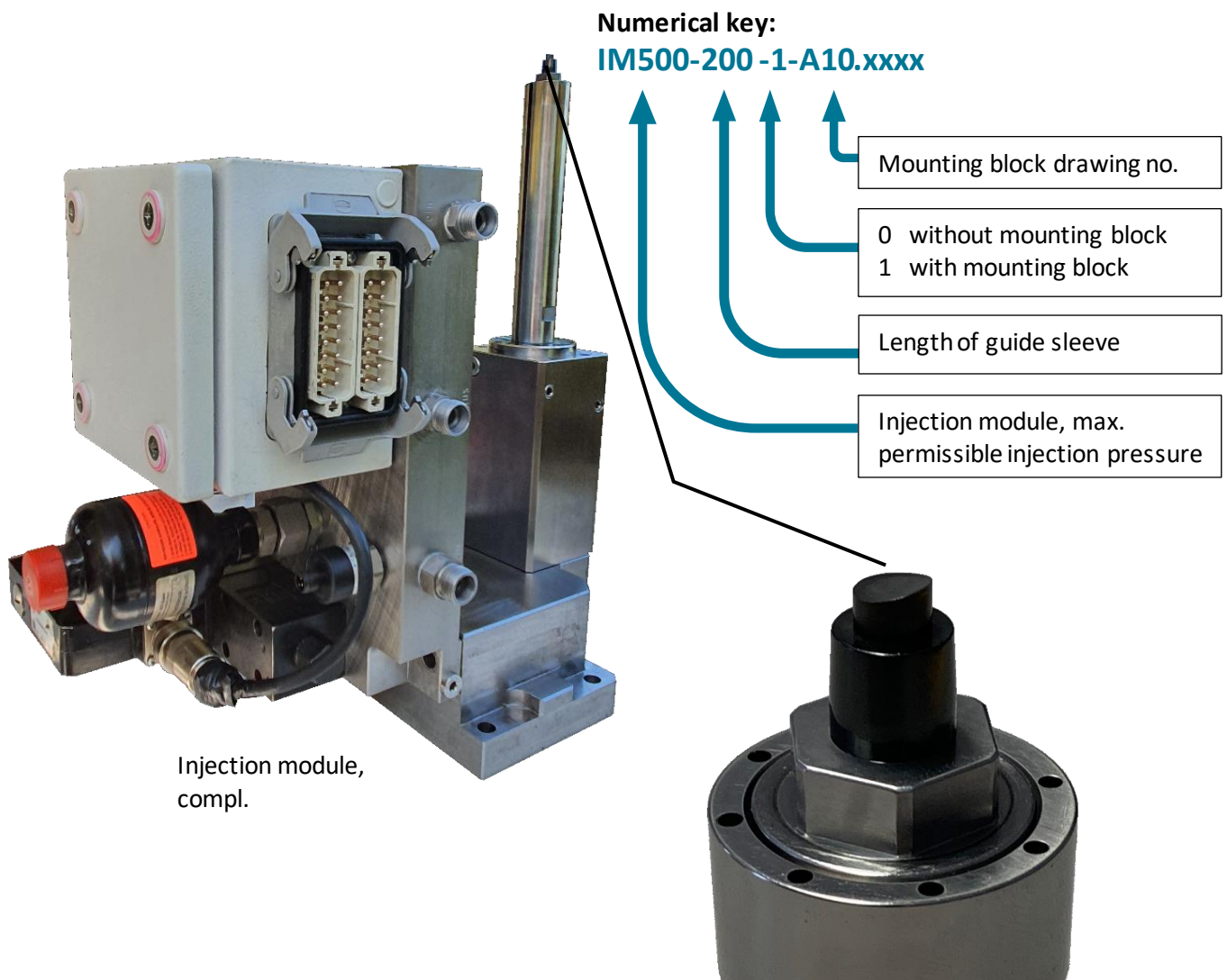
MAGIT die modules are ready-to-install hydraulic functional units for penetration of the hardened surface layer, injection of the process gas and opening and closing of the overflow cavity in die casting moulds for aluminium, magnesium and zinc.

Actuation of the injector and gate valve is achieved with hydraulic proportional control valves mounted directly on the die or valve plate of the injector module.

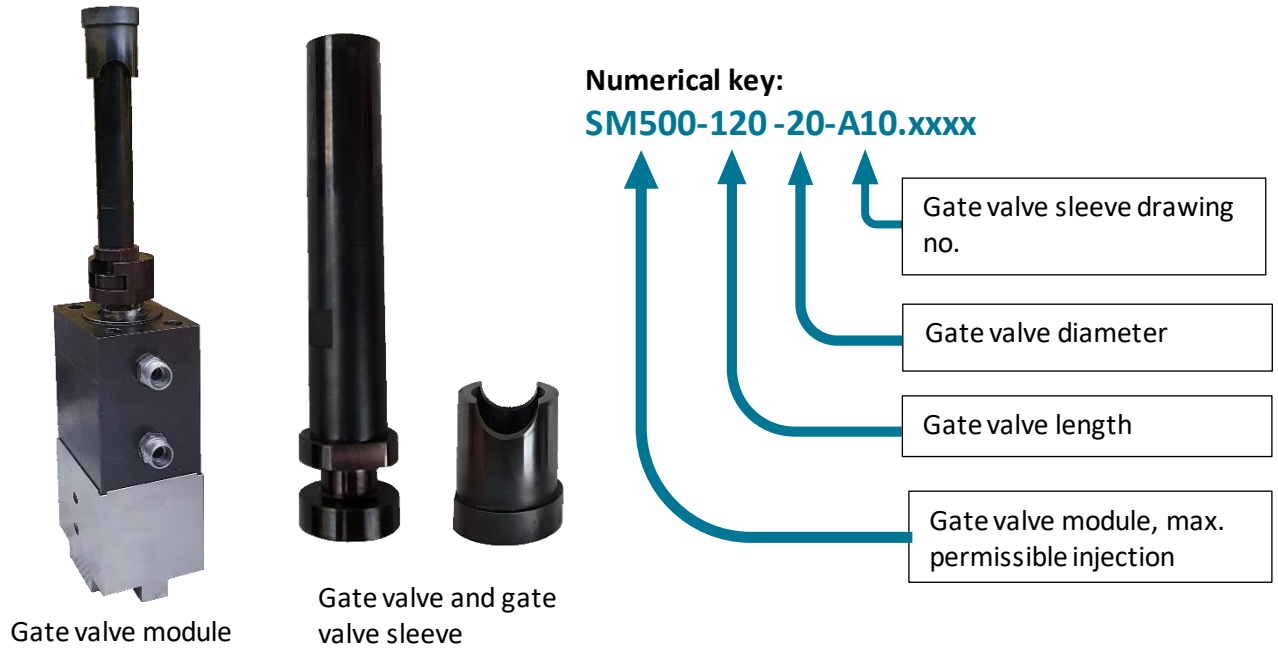
The position of the injector needle and gate valve is monitored by the position sensor system and transmitted to the process control of the MAGIT PM500 control module via the MMI interface.

All media and sensor connections for process gas, hydraulics, cooling, the position sensor system and pressure are accessible from outside the die.

IM500 injection module



SM500 gate valve module

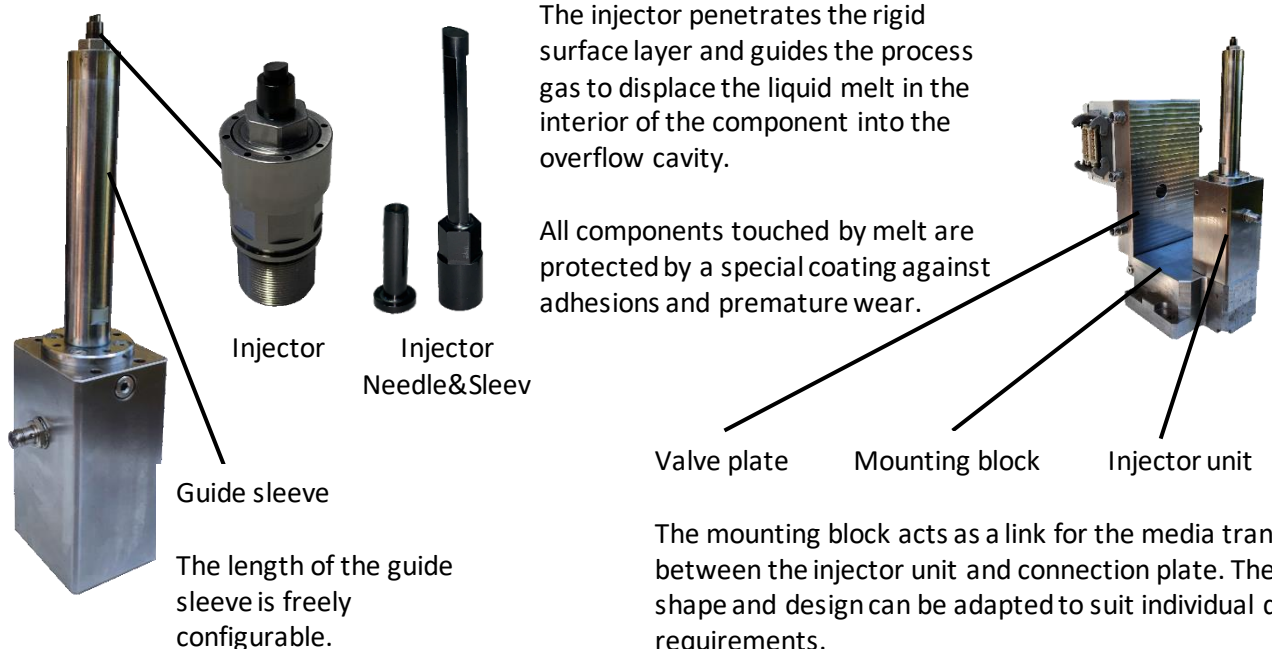


Technical data:

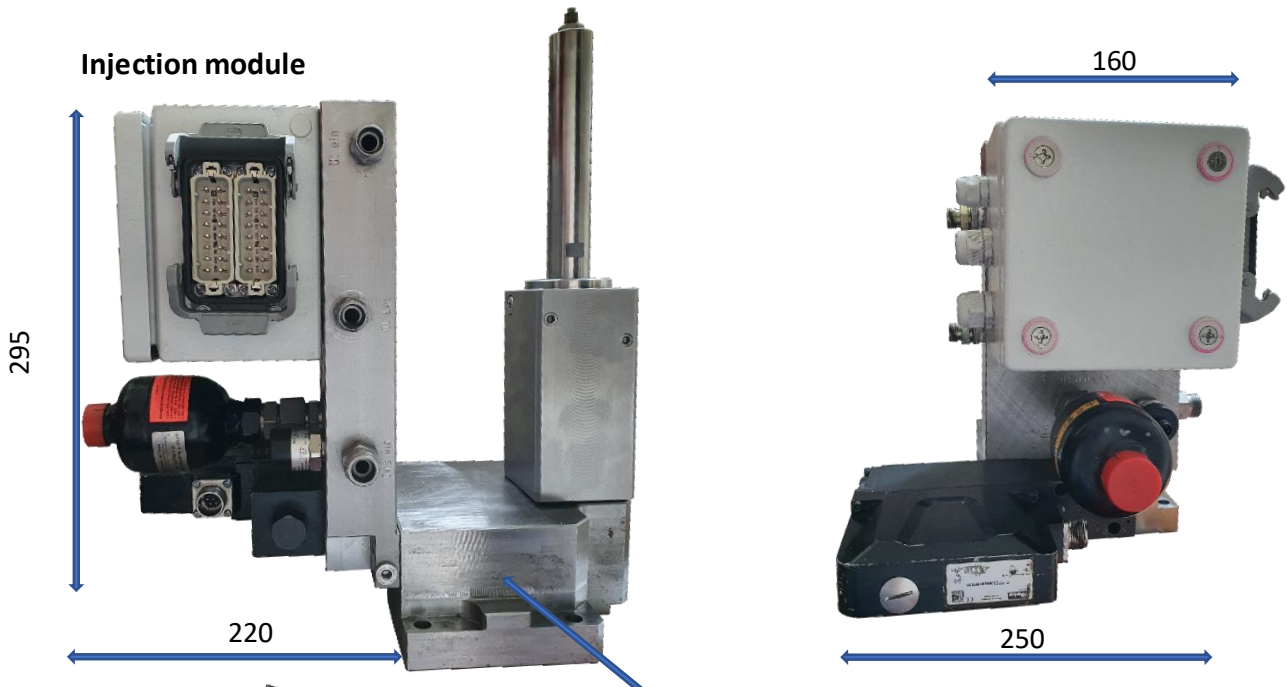
	Injection module	Gate valve module
Process gas connection	ERMETO 12S	---
Hydraulic connection	ERMETO 8S	ERMETO 8S
Cooling water connection	G1/4"	G1/4"
Electrical connection	MMI (Magit module interface)	---
Dimensions (W/D/H)* **	330x190x430 mm	105x80x380 mm
Weight **	44 kg	11 kg

*3D CAD data available on request **Differs depending on specific customer wishes

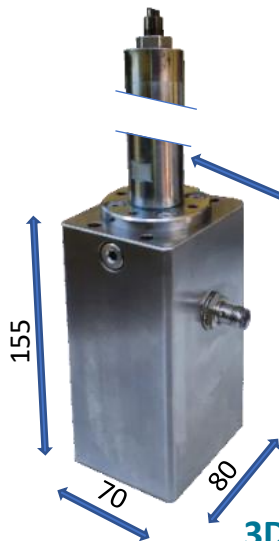
Injector unit



Main dimensions:



Mounting block is freely configurable



Length of guide sleeve and gate valve freely configurable



3D CAD datasets available on

Injector unit

Gate valve module

Optional accessories and wear parts:

Designation	Item no.
Injector	
Injector replacement kit (needle, sleeve, seals)	
Gate valve and gate valve sleeve*	
Injector unit seal kit	
10m MMI interface cable*	C20.0006
4m process gas hose extension, incl. double nipple*	C20.0007
4m hydraulic hose extension, incl. double nipple*	C20.0008
*Special lengths available on request	