

# Micro-injection machine model miniMat 10

POWERED BY A  
SERVOMOTOR



| DENOMINATION                         |         | 100 / 32         |      |      |
|--------------------------------------|---------|------------------|------|------|
| INJECTION UNIT                       |         | 32               |      |      |
| Screw diameter                       | mm      | 16               | 18   | 20   |
| L/D screw ration                     |         | 15               | 13   | 12   |
| Max injection pressure               | bar     | 2680             | 2115 | 1715 |
| Theoretical injection volume         | cm3     | 12               | 15   | 19   |
| (PS) Max. injection weight           | g       | 11               | 13   | 17   |
| Injection flow                       | cm3/s   | 17               | 22   | 27   |
| Adjustable screw speed               | min-1   | 330              |      |      |
| Screw turning torque                 | Nm      | 156              |      |      |
| Heating zones                        | nº      | 2 + 1            |      |      |
| Heating power                        | kW      | 1,85             |      |      |
| Max. nozzle retention force          | kN      | 28               |      |      |
| Max. nozzle stroke                   | mm      | 70               |      |      |
| CLAMPING UNIT                        |         | 100              |      |      |
| Clamping force                       | kN (Tn) | 100              |      |      |
| Max. opening stroke                  | mm      | 150              |      |      |
| Adjust. mould thickness from...to... | mm      | 100              |      |      |
| H x V Platen dimensions              | mm      | 275 x 275        |      |      |
| Space between columns H x V          | mm      | 170 x 170        |      |      |
| Max distance between platens         | mm      | 250              |      |      |
| Column diameter                      | mm      | 35               |      |      |
| Max. ejection force                  | kN      | 13               |      |      |
| Max. ejection stroke                 | mm      | 50               |      |      |
| GENERAL CHARACTERISTICS              |         |                  |      |      |
| Servomotor power                     | kW      | 5,5 (Servomotor) |      |      |
| Total power installed                | kW      | 7,35             |      |      |
| Oil tank capacity                    | L       | 50               |      |      |
| Machine net weight                   | kg      | 760              |      |      |