# HMC 12-2000

Stability, innovation and crimping force characterize the new UNIFLEX HMC 12-2000 crimper.

This machine is not only able to crimp the biggest hoses ever for a UNIFLEX machine, it is also the most compact one for mobile work in UNIFLEX history. The HMC 12-2000 is the most solid built C-crimper of the 2000 ton category due to its integrated powerbooster for high crimping forces. After a long period of research and development in the field of FEM, this machine outshines all others of its category. UNIFLEX defines new crimping techniques and focuses on the highest quality and user-friendliness as well as on advanced materials.

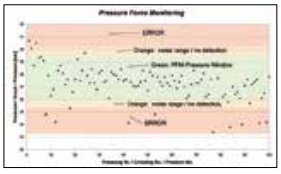
HMC 12-2000

| High-level components and system solutions |
|---|
| HiLo cylinder - for enhanced power without extra heat/risk of overheating |
| Compact ergonomic design provides ergonomic work and mobile usage for fixed pieces |
| Large basic jaws suitable for the crimping of virtually any fitting type |
| Lateral reinforcement for optimised product quality |
| **Patented design** |
| New FEM calculation used |
| Tool can be removed separately |
| Stable, innovative |
| Low maintenance |
| **Slide bearing technology** |
| Grease-free for extra cleanliness and prolonged service life |
| Maximised productivity at very low operating costs |
| Hoses remain grease-free<br>- Ideal for hoses designed for the food or pharmaceutical industry<br>- Reduced tool wear |
| Reduces crimping force loss by up to 20% |
| High process stability and reproducible accuracy |
| **CE compliant** |



## Standard

PFM – Standard on all machines with Control C.2

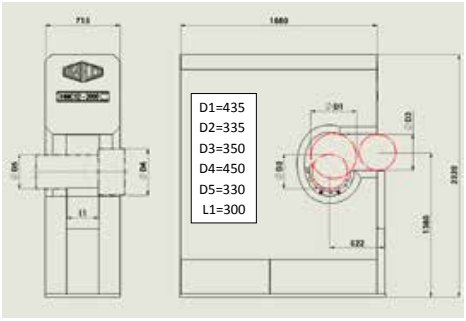


Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing.
Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety.

This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.

# Technical Data

HMC 12-2000




| Technical data | HMC 12-2000 |
|---|---|
| Crimp force (ton) | 20 000/2 000 |
| No grease: 20% less friction | ✓ |
| Control | Control C.2 |
| SAE R15 4SH 1 piece | 3" |
| SAE R15 4SH 2 pieces | 3" |
| Industry | 12" |
| 90° bow | 3" |
| Max. crimp range (mm) with basic dies<br>Crimping | 380<br>Ø PB +50 |
| Opening without dies | 435 mm |
| Die type | 247, 245, 237 |
| Speed (mm/sec)<br>Close/crimp/open | upon request,<br>depends on power unit |
| L x W x H (mm) | 2 000 x 750 x 2 400 |
| Weight of tool (kg) | 1 5000 |

**More technical data**
according to the graphic above

| |
|---|
| D1 = Max. axial diameter 435 mm |
| D3 = Max. radial opening 350 mm |
| D4 = Max. flange diameter 450 mm |
| D5 = Diameter basic dies 330 mm |
| L1 = Wide basic dies 300 mm |

**Type of dies** — 237 L

| Ø mm | mm |
|---|---|
| 54 | 118 |
| 57 | 118 |
| 62 | 118 |
| 67 | 118 |
| 71 | 118 |
| 74 | 118 |
| 78 | 118 |
| 84 | 118 |
| 86 | 118 |
| 90 | 118 |
| 96 | 118 |
| 103 | 118 |
| 106 | 126 |
| 111 | 126 |
| 116 | 126 |
| 121 | 126 |
| 126 | 126 |
| 131 | 126 |

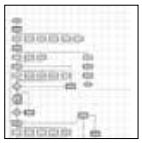
**Type of dies** — 245

| Ø mm | mm |
|---|---|
| 103 | 130 |
| 106 | 130 |
| 111 | 130 |
| 116 | 130 |
| 121 | 130 |
| 126 | 130 |
| 131 | 130 |
| 136 | 130 |
| 146 | 150 |
| 156 | 150 |
| 170 | 150 |
| 185 | 150 |
| 200 | 150 |

**Type of dies** — 247

| Ø mm | mm |
|---|---|
| 96 | 130 |
| 106 | 130 |
| 126 | 130 |
| 131 | 130 |
| 136 | 130 |
| 146 | 150 |
| 156 | 150 |
| 170 | 170 |
| 185 | 200 |
| 200 | 200 |
| 215 | 200 |
| 230 | 200 |
| 245 | 200 |
| 260 | 200 |
| 275 | 200 |
| 290 | 200 |
| 305 | 200 |

## Control C.2: Accessories


Customized software


Electronic caliper


Calibration mandrel


Barcode scanner


PS.2 Double foot pedal

Multistep included with Control C.2


DMS


UTS/UDL
Data transfer


ULS
UNIFLEX label system


807.2
Screen protector


RFID

Crimping by Pressure included with Control C.2