Compact hydraulic actuation
increasing freedom in mold design:
HEM miniature hydraulic
KEY DATA

Compact hydraulic actuator
a) For nozzles in the DF 5, 8, 12, 18, 22 and 25 series
b) Screwed onto the manifold
c) Valve gate adjustable from behind
d) Piston stroke occurs entirely within the casing
e) Patented, improved thermal separation of manifold and cylinder
f) For either rear installation directly adjacent to the mold plate or with spacing
g) Actuator casing can be dismantled without unscrewing the cooling lines
h) Cooling line outlets possible in 4 different directions
i) HEM without cooling
   \[\textit{for max. 270°C melt temperature and 60°C mold temperature}\]
   \[\textit{for rear installation directly adjacent to the mold plate only}\]

BENEFITS

Production and assembly
- Smaller milling areas, less production effort required
- Increased freedom in mold design
- Easy-access and adjustable

Operation
- Protects movable parts and seals through thermal separation from manifold
- No post-production aftercooling needed
- Enhanced mold stability
- Injection points can be individually selected within a confined space

Single valve gate applications → j)
- Possible alternative
- Standard one-port manifold system can be used
- Only small distance between inlet bushing and nozzle

Multi-cavity molds → k)
- Small pitch dimensions and tighter cavity spacing possible
- Higher numbers of cavities possible
- Use of hydraulics where there was once no room
- Ready-to-go pre-assembled systems possible

Molds for large plastic parts → l)
- Greater flexibility in selection of gate points
- Sufficient space for supply lines
- Combinable with large and long nozzles

<table>
<thead>
<tr>
<th>Actuator</th>
<th>Stroke</th>
<th>K</th>
<th>XA</th>
<th>XE</th>
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</thead>
<tbody>
<tr>
<td>HEM 5/8/12</td>
<td>8,5</td>
<td>71</td>
<td>37</td>
<td>40,5</td>
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<td>HEM 18/22/25</td>
<td>14,5</td>
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1) Minimum values, which must be adjusted to the relevant application