

**Key data**

Molded part	Cap
Application	Foodstuff bottle
Part weight	2 g
Material	PE
Mold type	Multi-cavity mold
No. of cavities	8

Illustrations simplified, schematically drawn and not to scale.  
For a specific application, please consult Synventive.

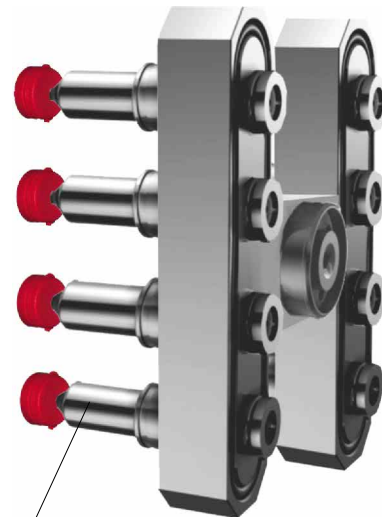
**Customer's requirements**

This application involved the production of caps of PE for foodstuff bottles in an 8-cavity mold.



**Solution**

In the implementation of this application, an externally heated 8-port hot runner system with face fit manifold nozzles was employed. The manifold was in the standard manifold form (H) and its runners were naturally balanced. The cavity was directly gated with the hot runner to the molding surface via open nozzles with torpedo.



**Benefits**

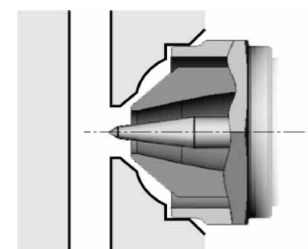
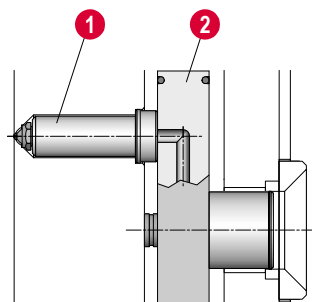
- Production without sprue waste and without reworking
- Good gating quality with respect to separation and appearance
- Uniform supply and filling of all cavities with melt
- Good molding quality from all the cavities



CB WT M

**Schematic product overview**

1. Manifold nozzle, face fit  
Series CB...M, Type WT
2. Manifold  
Series VC



07 C + V C

W T