

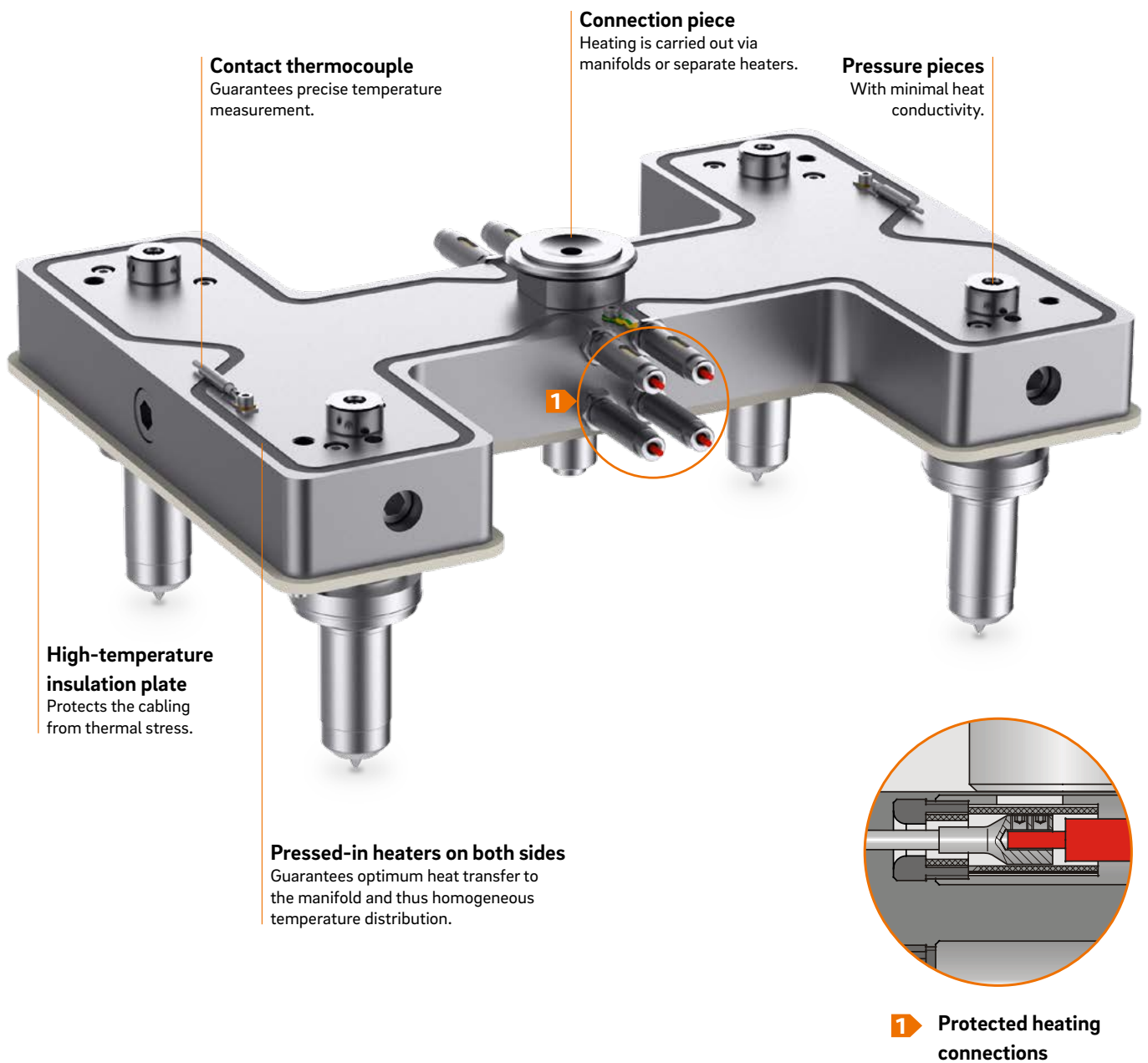


Open
hot runner systems



Manifold systems

Different manifold versions can be selected for different applications, from partially or fully balanced to customer-specific special solutions. Flexible positioning of hot runner nozzles with a manifold make individualised mould design possible.



HOMOGENEOUS TEMPERATURE MANAGEMENT THANKS TO PRESSED-IN HEATERS

All melt-conducting components are heated externally, which ensures optimum plastic flow with the smallest possible pressure loss. Pressed-in heaters on both sides guarantee optimum heat transfer to the manifold block. This results in homogeneous temperature distribution.

PROTECTED POWER PLUG CONNECTIONS – HIGHLY MAINTENANCE FRIENDLY

Steel and ceramic sleeves protect the power connections from damage. Mechanical cleaning of the manifold channels is easy and fast. Cleaning in the fluid bed bath and oven is also possible. The model data in the CADHOC® System Designer library can be configured (and are thus quickly available) for both individual and standard manifolds.

CADHOC® SYSTEM DESIGNER – TOP-NOTCH SOFTWARE PROVIDED FOR YOUR SUPPORT

CADHOC® System Designer enables us to meet your needs for fast provision of product data on everything from individual components to complete hot runner systems, including negative volume.

Among other things, CADHOC® System Designer enables you to:

- Design nozzle sizes in an optimum way
- Select plastic types from a comprehensive list
- Make a direct configuration without any specifications of the processing parameters
- Make an application-based configuration with specifications of the processing parameters

3D CAD models on every hot runner system are available for download in a variety of different data formats. After entering your configuration parameters, you will receive an email with a link to the product data of the configured hot runner system.

RAPID SYSTEMS FROM GÜNTHER

Rapid systems and BlueFlow® nozzles are stored in the CADHOC® System Designer library and are quickly accessible. They enable you as a registered user to configure your rapid system in a very short period of time. You can immediately download all relevant 3D data – including negative volume and price information – quickly, easily and securely. Information on our rapid systems can be found **starting on Page 2.4.140**.

THE ADVANTAGES AT A GLANCE

- + Homogeneous temperature distribution
- + Variable nozzle positions
- + Power connections with external damage protection
- + Easy and fast cleaning
- + Model data is stored in the CADHOC® online library



WEBCODE
91890



WEBCODE
25120

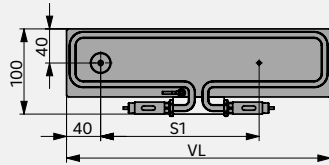


Rapid Systems – open hot runner systems

Fully configured hot runner system comprised of manifolds, nozzles and accessories.
Delivery time two working weeks.

B91

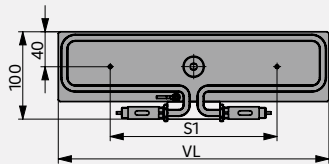
GCP1-1 SERIES



Manifold length (VL)	Pitch (S1 mm) for nozzle type SHF	Pitch (S1 mm) for nozzle type SHT
160	≥ 33 - 85	–
210	> 85 - 135	–
260	> 135 - 185	–
310	> 185 - 235	–
360	> 235 - 285	–

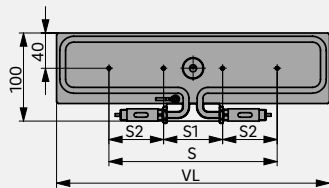
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GCP2-1 SERIES



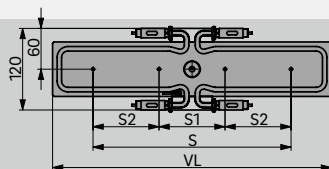
Manifold length (VL)	Pitch (S1 mm) for nozzle type SHF	Pitch (S1 mm) for nozzle type SHT
160	≥ 67 - 90	–
210	> 90 - 140	≥ 88 - 120
260	> 140 - 190	> 120 - 170
310	> 190 - 240	> 170 - 220
360	> 240 - 290	> 220 - 270

GCP4B SERIES



Manifold length (VL)	Pitch S=total (min. to max.) mm for nozzle type SHF	Pitch S=total (min. to max.) mm for nozzle type SHT
260	≥ 155 - 190	–
310	> 190 - 240	–
360	> 240 - 290	–

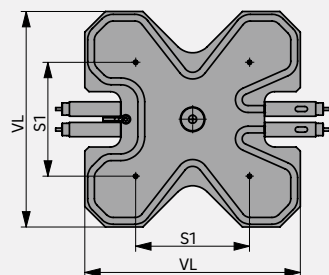
B94



410	> 290 - 340	–
460	> 340 - 390	–

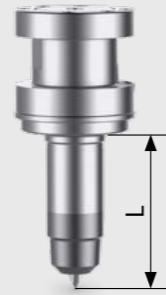
B95

KCP4 SERIES



Manifold length (VL)	Pitch (S1 mm) for nozzle type SHF	Pitch (S1 mm) for nozzle type SHT
135	≥ 47 - 65 (SHF)	–
165	> 65 - 95	–
180	> 95 - 110	–
210	> 110 - 140	–
240	> 140 - 170	–

SHF NOZZLE TYPE



SHT NOZZLE TYPE



SMT NOZZLE TYPE



SMT3 NOZZLE TYPE



You can create CAD data and price information via the CADHOC portal. When configuring your Rasant system, you will be asked for the necessary information about the application and the mould.

Pitch (S1 mm) for nozzle type SMT	Pitch (S1 mm) for nozzle type SMT3
≥ 29 - 85	≥ 44 - 75
> 85 - 135	> 75 - 125
> 135 - 185	> 125 - 175
> 185 - 235	> 175 - 225
> 235 - 285	> 225 - 275

Melt channel Ø (mm)/ nozzle length (L mm)
4.8 / 50, 60, 80, 100
6 / 50, 60, 80
Smallest pitch S1 ≥ 33
- Configuration option: S-009²

Melt channel Ø (mm)/ nozzle length (L mm)
3.8 / 50, 60, 80, 100
4.8 / 50, 60, 80, 100
6 / 50, 80
Smallest pitch S1
Melt channel Ø 3.8 = S1 ≥ 29
Melt channel Ø 4.8 = S1 ≥ 29
Melt channel Ø 6 = S1 ≥ 29
- Configuration option: S-009²

Melt channel Ø (mm)/ nozzle length (L mm)
7.5 / 50, 60, 80, 100
- Configuration option: S-009²

RAPID-SYSTEM

Consisting of:

- 1 Connection piece type AK or AKV/40 incl. titanium ring
- 1/2/4 Pressure pads
- 1 Manifold, insulating plate optional
- 1 Contact thermocouple 151 HF
- 1/2/4 Nozzle type SHF, SHT, SMT, SMT3
- 1/2/4 Power connector CHF (SHF), CMT (SHT), Fixed power connection (SMT, SMT3)
- 1/2/4 Thermocouple plug CMLK (SHF, SHT), Fixed thermocouple connection (SMT, SMT3)
- 1 Spacer

Cylindrical pin to prevent rotation is not included in the scope of delivery.

ORDER

You choose:

- | | | |
|---------------------------------|------|-------------------------------|
| 1. Manifold Rapid series GCP2-1 | | B 93 |
| 2. Manifold length 210 mm | (21) | B 93 21 |
| 3. Melt channel Ø 6 mm | (06) | B 93 21 06 |
| 4. Nozzle length 60 mm | (06) | B 93 21 06 06 |
| 5. Nozzle type SHF | (HF) | B 93 21 06 06 HF |
| 6. Model | (-1) | B 93 21 06 06 HF -1 |

The article no. for the selected Rasant system with nozzle type 6SHF60 is: **B93210606HF-1**.

You can add a pitch distance, straight line, radius or angle (straight line, radius/angle freely selectable depending on the injection unit).

Delivery time two working weeks.

B83/B84: Ready2Connect with cable channel and fixed power and thermocouple Connection for nozzle type SHF and SMT3.

¹ The prerequisite for the cable channel is a nozzle with fixed connections and can be screwed to the manifold.

² Configuration option S-009: 40° tip for PP applications.

Pitch (S1 mm) for nozzle type SMT	Pitch (S1 mm) for nozzle type SMT3	Available as a Ready2Connect system for SMT and SMT3 nozzle types ¹
≥ 57 - 90	-	X
> 90 - 140	≥ 88 - 120	X
> 140 - 190	> 120 - 170	X
> 190 - 240	> 170 - 220	X
> 240 - 290	> 220 - 270	X

B83

Melt channel Ø (mm)/ nozzle length (L mm)
4.8 / 50, 60, 80, 100
6 / 50, 60, 80
Smallest pitch S1 ≥ 67
- Configuration option: S-009²

Melt channel Ø (mm)/ nozzle length (L mm)
7.5 / 60, 80, 100
Smallest pitch S1 ≥ 90
- Connection piece type AK10 or AKV10/40
- Configuration option: S-009²

Melt channel Ø (mm)/ nozzle length (L mm)
3.8 / 50, 60, 80, 100
4.8 / 50, 60, 80, 100
6 / 50, 80
Smallest pitch S1
Melt channel Ø 3.8 = S1 ≥ 57
Melt channel Ø 4.8 = S1 ≥ 57
Melt channel Ø 6 = S1 ≥ 57
- Configuration option: S-009²

Melt channel Ø (mm)/ nozzle length (L mm)
7.5 / 50, 60, 80, 100
- Configuration option: S-009²

> 290 - 340	> 270 - 315	
> 340 - 390	> 315 - 365	

Pitch S=total (min. to max.) mm for nozzle type SMT	Pitch S=total (min. to max.) mm for nozzle type SMT3	Available as a Ready2Connect system for SMT and SMT3 nozzle types ¹
≥ 115 - 190	-	X
> 190 - 240	-	X
> 240 - 290	-	X

B84

Melt channel Ø (mm)/ nozzle length (L mm)
4.8 / 50, 60, 80, 100
6 / 50, 60, 80
Smallest pitch S1 ≥ 67
Smallest pitch S2 ≥ 39
- Configuration option: S-009²

Melt channel Ø (mm)/ nozzle length (L mm)
3.8 / 50, 60, 80, 100
4.8 / 50, 60, 80, 100
6 / 50, 80
Smallest pitch S1
Melt channel Ø 3.8 = S1 ≥ 57
Melt channel Ø 4.8 = S1 ≥ 57
Melt channel Ø 6 = S1 ≥ 57
Smallest pitch S2
Melt channel Ø 3.8 = S2 ≥ 29
Melt channel Ø 4.8 = S2 ≥ 29
Melt channel Ø 6 = S2 ≥ 29
- Configuration option: S-009²

> 290 - 340	-	
> 340 - 390	-	

Pitch (S1 mm) for nozzle type SMT	Pitch (S1 mm) for nozzle type SMT3
≥ 44 - 65 (SMT)	-
> 65 - 95	-
> 95 - 110	-
> 110 - 140	-
> 140 - 170	-

Melt channel Ø (mm)/ nozzle length (L mm)
4.8 / 50, 60, 80, 100
6 / 50, 60, 80
Smallest pitch S1 ≥ 47
- Configuration option: S-009²

Melt channel Ø (mm)/ nozzle length (L mm)
3.8 / 50, 60, 80, 100
4.8 / 50, 60, 80, 100
6 / 50, 80
Smallest pitch S1
Melt channel Ø 3.8 = S1 ≥ 44
Melt channel Ø 4.8 = S1 ≥ 44
Melt channel Ø 6 = S1 ≥ 45
- Configuration option: S-009²

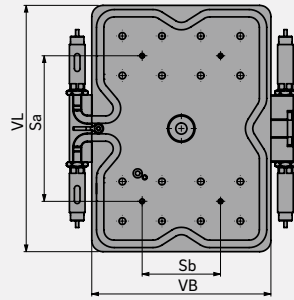


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HCP4B SERIES

B96



Manifold width (VB)	Manifold length (VL)	Pitch (Sb mm) for nozzle type SHF	Pitch (Sa mm) for nozzle type SHF
120	160	≥ 45 - 50	≥ 70 - 90
120	180	≥ 45 - 50	> 90 - 110
120	200	≥ 45 - 50	> 110 - 130
120	220	≥ 45 - 50	> 130 - 150
140	160	> 50 - 70	≥ 70 - 90
140	180	> 50 - 70	> 90 - 110
140	200	> 50 - 70	> 110 - 130
140	220	> 50 - 70	> 130 - 150
160	160	> 70 - 90	≥ 70 - 90
160	180	> 70 - 90	> 90 - 110
160	200	> 70 - 90	> 110 - 130
160	220	> 70 - 90	> 130 - 150
180	180	> 90 - 110	> 90 - 110
180	200	> 90 - 110	> 110 - 130
180	220	> 90 - 110	> 130 - 150
180	240	> 90 - 110	> 150 - 170
200	200	> 110 - 130	> 110 - 130
200	220	> 110 - 130	> 130 - 150
200	240	> 110 - 130	> 150 - 170
200	260	> 110 - 130	> 170 - 190
200	280	> 110 - 130	> 190 - 210
220	220	> 130 - 150	> 130 - 150
220	240	> 130 - 150	> 150 - 170
220	260	> 130 - 150	> 170 - 190
220	280	> 130 - 150	> 190 - 210
220	300	> 130 - 150	> 210 - 230

