DME

EVERY STEP OF THE WAY

Essential Series
Manifolds & Nozzles

DME Essential Series Manifold blocks.

Recommended for use in all applications with commodity grade plastics (PE, PP and PS). The manifold assembly is supplied with all related components. The upper steel spacer and the central steel spacer are supplied blank and must be adapted to the mold by the mold maker. To ensure a good thermal insulation we suggest to have a minimum of 10 mm spacer thickness (titanium + steel). Foresee the cable outlet to the upper side of the mold. The manifold is designed to be utilized on a horizontal injection molding machine.

The thermocouple installed on the manifold is type "J" grounded. The standard manifolds are delivered with an un-heated adapter. If a heated adapter is required, please specify this in the order reference and add this option to the list price.

Fastening bolts, dowel pins and locating rings are project specific and are not included in the package. They need to be ordered separately.

15/12/2010

Manifolds

Nozzles

Installation Guidelines

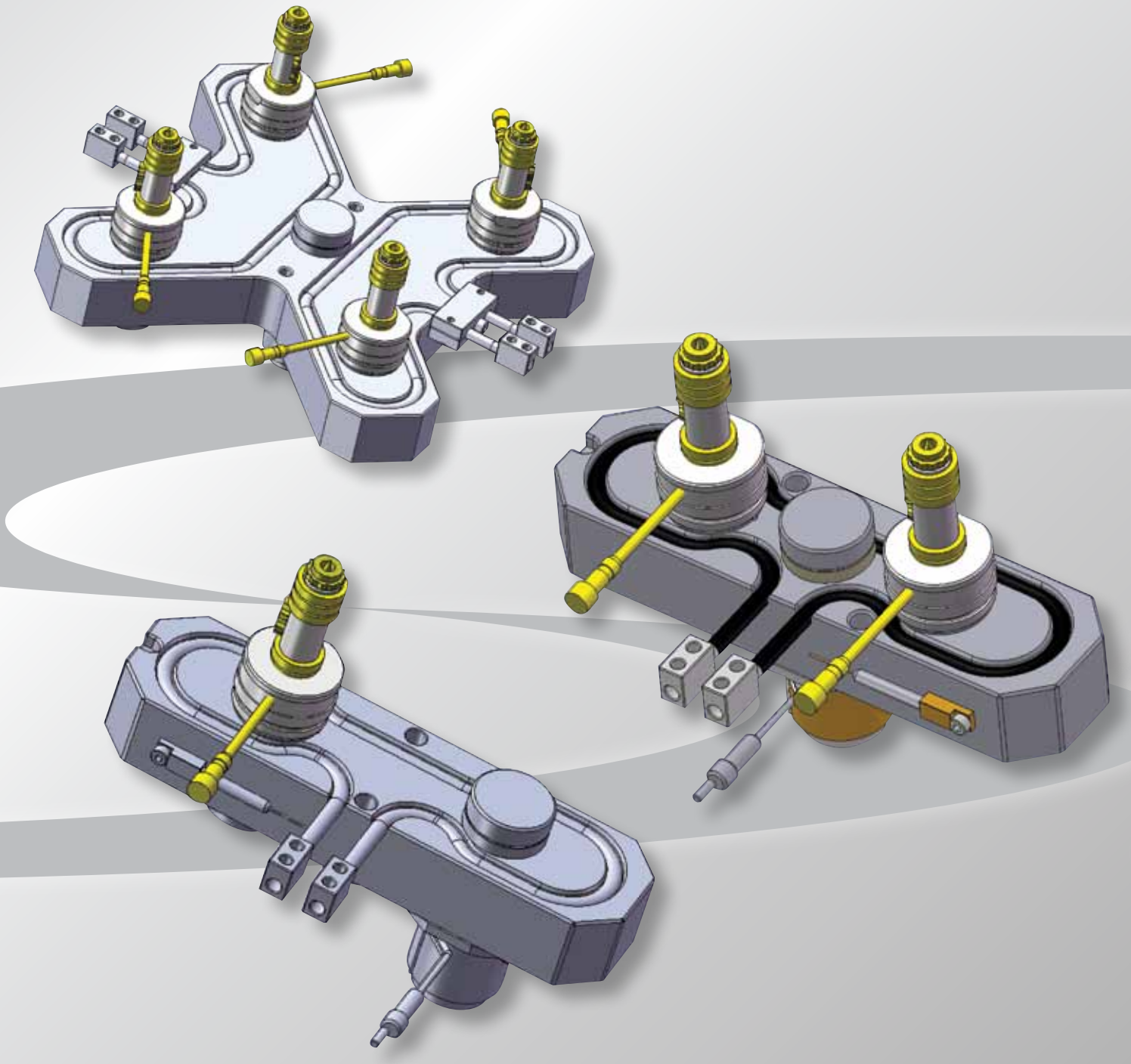
15/12/2010

DME

EVERY STEP OF THE WAY

Essential Series

standard series for standard materials



DME

EVERY STEP OF THE WAY

Manifolds

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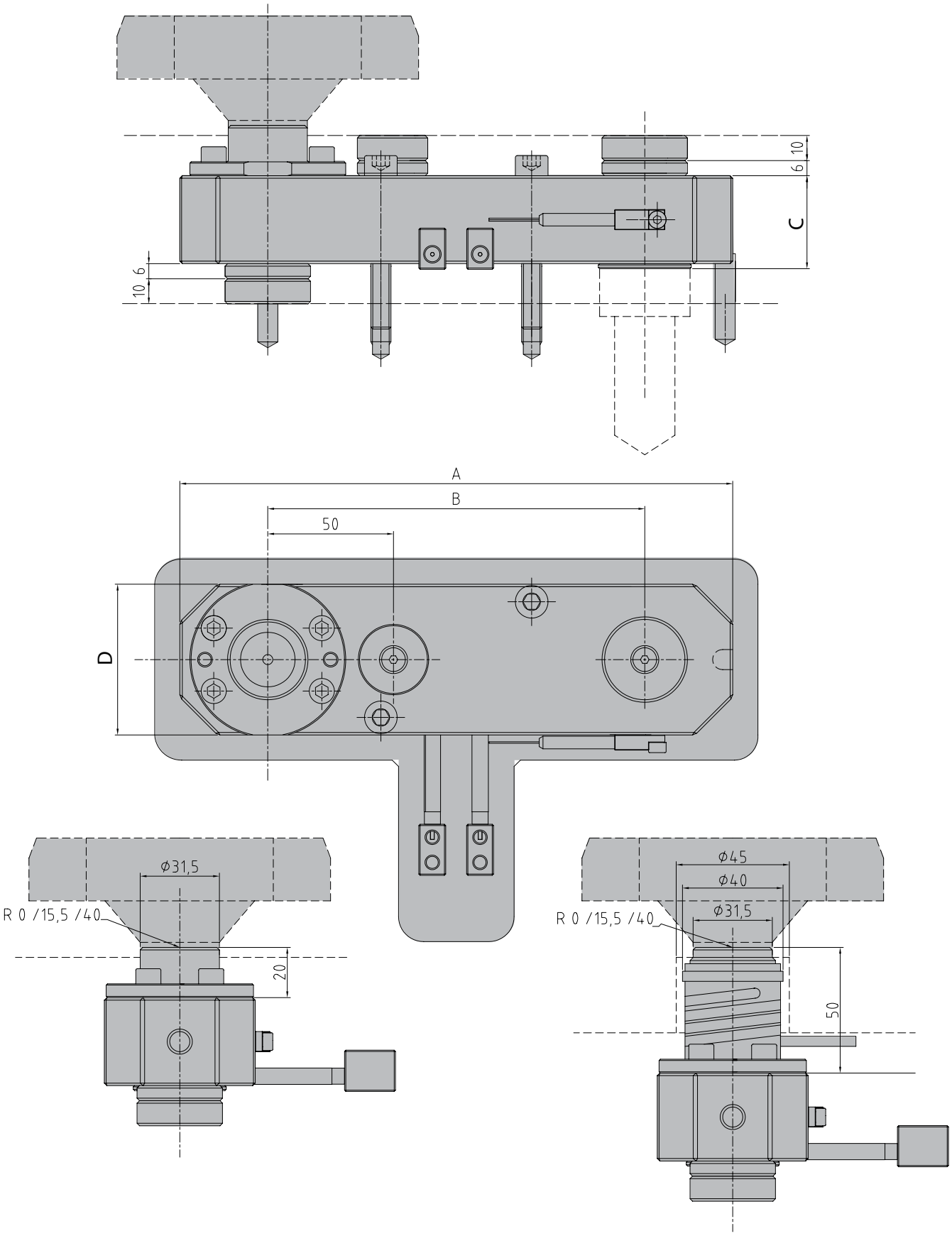
PCL1

One-drop L-type standard system



Heated adapter is optional
Standard unheated adapter included in package.
Screws and dowel pins are not included and need to be ordered separately.

15/12/2010

One-drop L-type standard system

PCL1

1-Drop L-type standard system with fixed distance between bushings. If you require heated adapter, add "H" at the end of the plate REF. The heated adapter will be supplied with 40 mm radius, unless requested differently. Screws and dowel pins are not included. Length of heater wires: 1500 mm. Length of thermocouple wires: 1000 mm.

NB: Steel spacers are supplied with 10 mm thickness; they must be modified by the customer to obtain the required thickness; the minimum thickness possible is 4 mm.

Variable distance between bushings: available upon request. Intermediate distance between bushings among the ones shown; in this case the product is non-standard. The final dimensions are the same as the bigger standard distance between bushings.

REF Series 8	C	REF Series 12	C	A	B	D	
PCL1-08-100/...		**PCL1-12-100/...**		220	100		Minimum
PCL1-08-125/...		**PCL1-12-125/...**		220	125		
PCL1-08-150/...		**PCL1-12-150/...**		220	150		
PCL1-08-175/...		**PCL1-12-175/...**		270	175		
PCL1-08-200/...	37	**PCL1-12-200/...**	37	270	200	60	
PCL1-08-225/...		**PCL1-12-225/...**		320	225		
PCL1-08-250/...		**PCL1-12-250/...**		320	250		
PCL1-08-275/...		**PCL1-12-275/...**		370	275		
PCL1-08-300/...		**PCL1-12-300/...**		370	300		Maximum

Ordering example

PCL1 - 08 - 175 / 06 / 15,5 / H

Manifold series:
PCL1 / PCL2 / PCX4 / PCT2 / PCH4

Flow channel diameter:
8, 12 standard; 5, 6, 10 & 14 upon request

Nozzle inter-distance:
see table for standard. Custom between min & max.

Nozzle channel diameter:
4 / 6 / 8 / 10 / 12 (according to nozzle series)

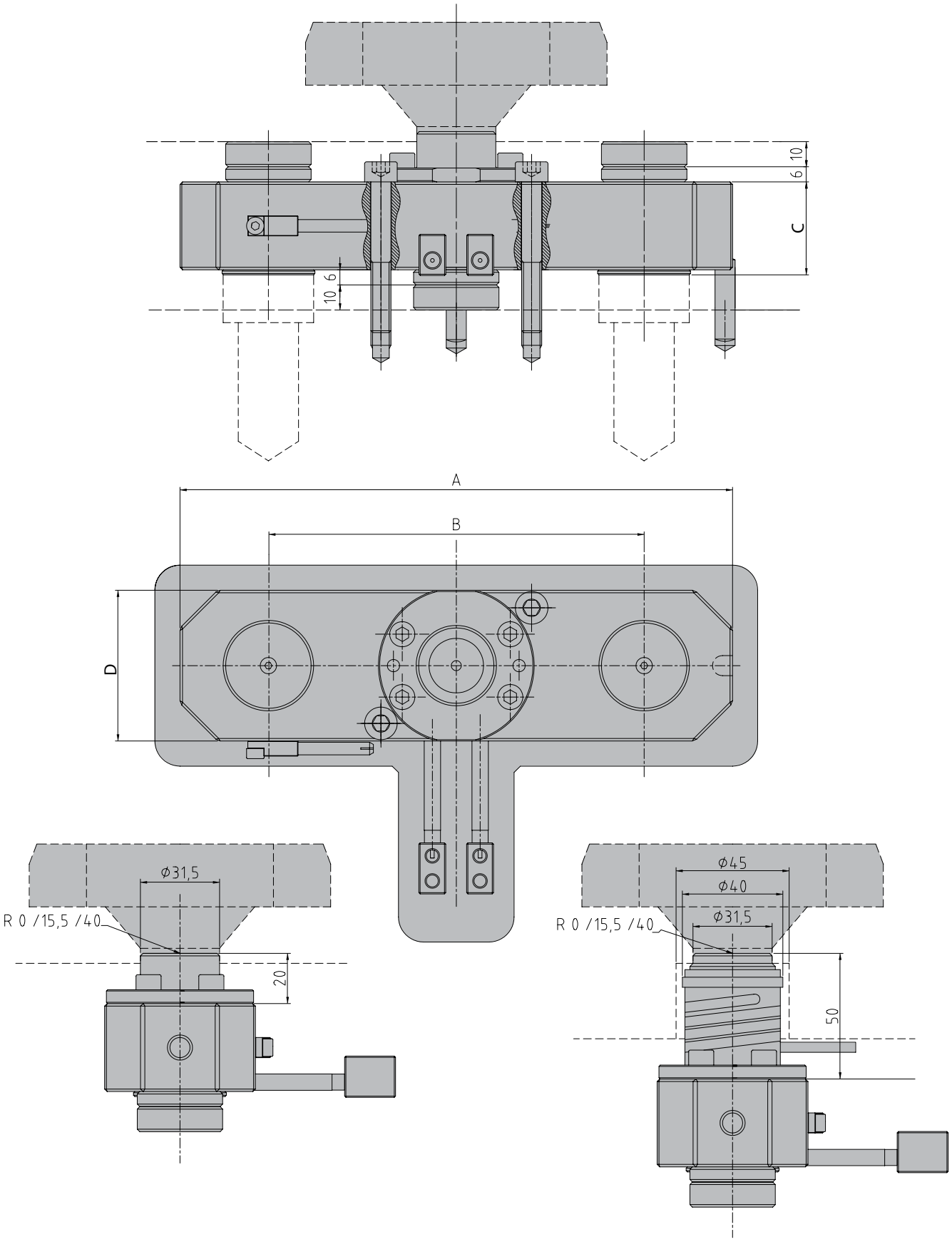
Adapter radius: 0 / 15,5 / 40

Adapter type: unheated (U) / heated (H)

15/12/2010

PCL2

Two-drop L-type standard system



Heated adapter is optional
Standard unheated adapter included in package.
Screws and dowel pins are not included and need to be ordered separately.

15/12/2010

Two-drop L-type standard system

PCL2

2-Drop L-type standard system with fixed distance between bushings. If you require heated adapter, add "H" at the end of the plate REF. The heated adapter will be supplied with 40 mm radius, unless requested differently. Screws and dowel pins are not included. Length of heater wires: 1500 mm. Length of thermocouple wires: 1000 mm.

NB: Steel spacers are supplied with 10 mm thickness; they must be modified by the customer to obtain the required thickness; the minimum thickness possible is 4 mm.

Variable distance between bushings: available upon request. Intermediate distance between bushings among the ones shown; in this case the product is non-standard. The final dimensions are the same as the bigger standard distance between bushings.

REF Series 8	C	REF Series 12	C	A	B	D	
PCL2-08-100/...		**PCL2-12-100/...**		220	100		Minimum
PCL2-08-125/...		**PCL2-12-125/...**		220	125		
PCL2-08-150/...		**PCL2-12-150/...**		220	150		
PCL2-08-175/...		**PCL2-12-175/...**		270	175		
PCL2-08-200/...	37	**PCL2-12-200/...**	37	270	200	60	
PCL2-08-225/...		**PCL2-12-225/...**		320	225		
PCL2-08-250/...		**PCL2-12-250/...**		320	250		
PCL2-08-275/...		**PCL2-12-275/...**		370	275		
PCL2-08-300/...		**PCL2-12-300/...**		370	300		Maximum

Ordering example

PCL2 - 08 - 175 / 06 / 15,5 / H

Manifold series:
PCL1 / PCL2 / PCX4 / PCT2 / PCH4

Flow channel diameter:
8, 12 standard; 5, 6, 10 & 14 upon request

Nozzle inter-distance:
see table for standard. Custom between min & max.

Nozzle channel diameter:
4 / 6 / 8 / 10 / 12 (according to nozzle series)

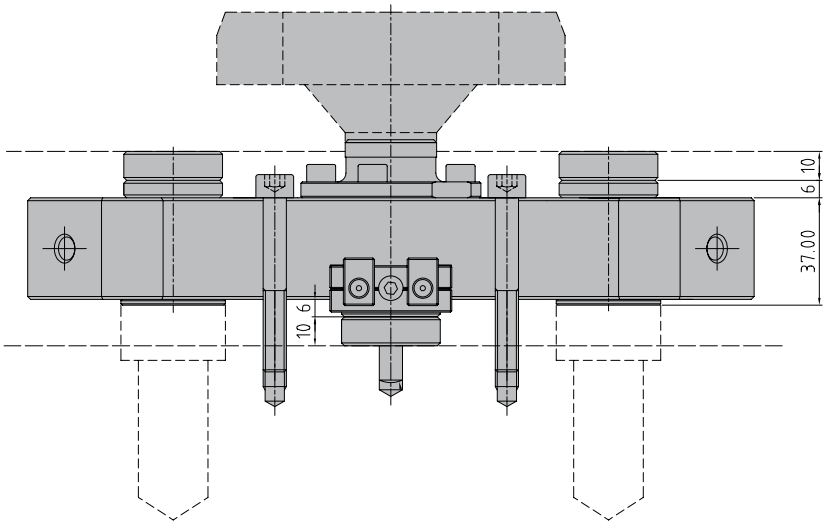
Adapter radius: 0 / 15,5 / 40

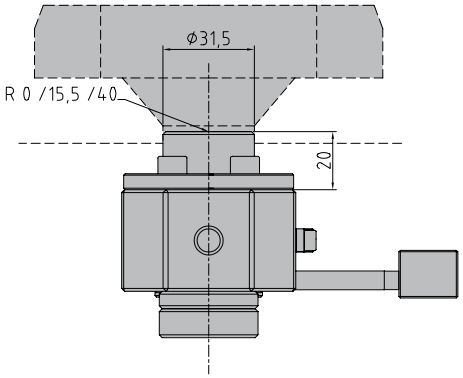
Adapter type: unheated (U) / heated (H)

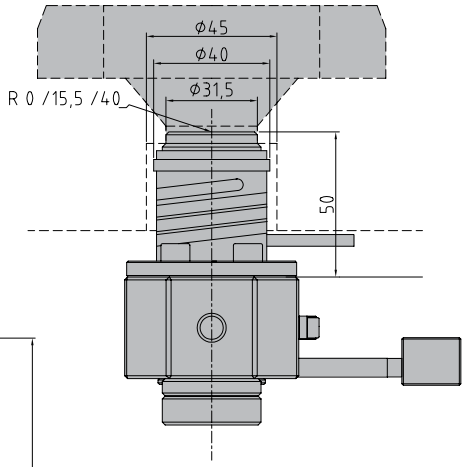
15/12/2010

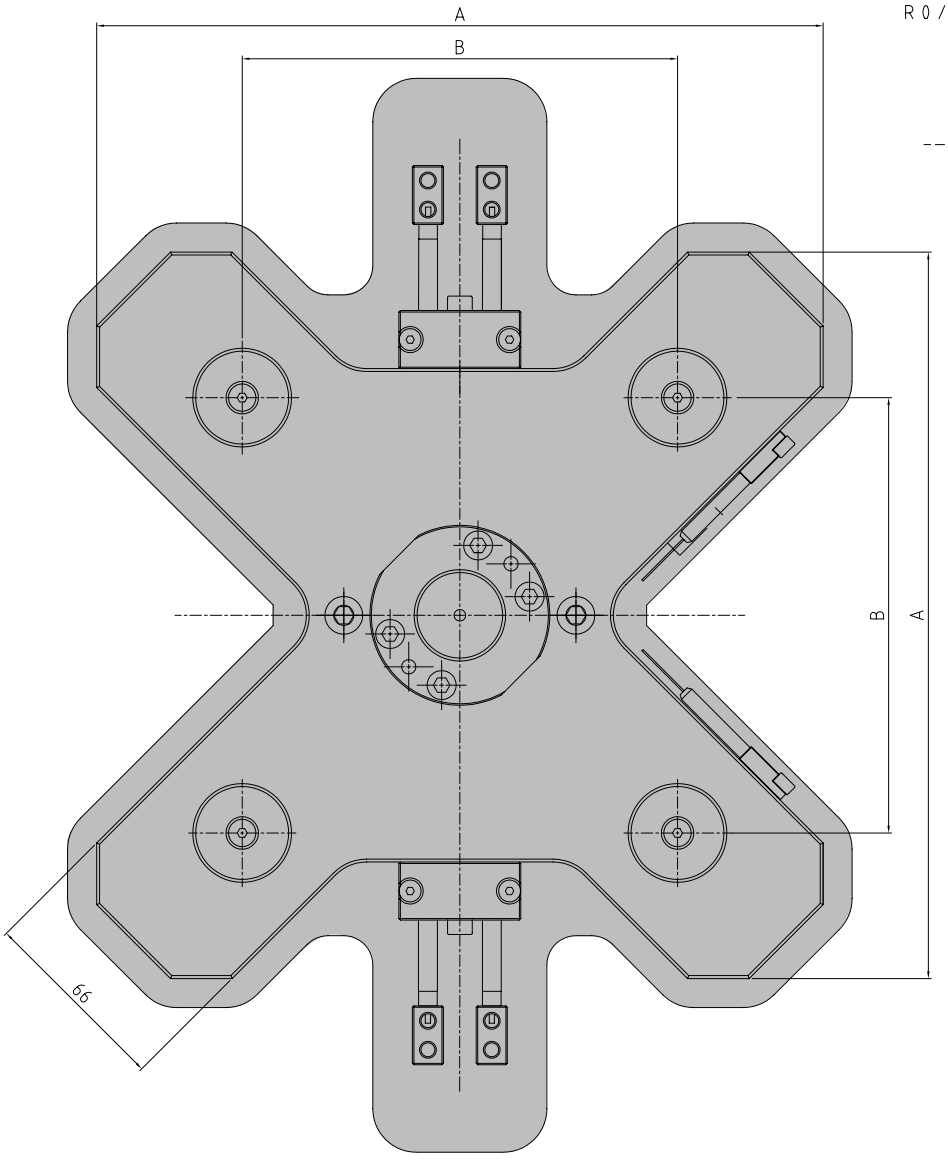
PCX4

Four-drop X-type standard system









Heated adapter is optional
Standard unheated adapter included in package.
Screws and dowel pins are not included and need to be ordered separately.

15/12/2010

Four-drop X-type standard system

PCX4

4-Drop X-type standard system with fixed distance between bushings. If you require heated adapter, add "H" at the end of the plate REF. The heated adapter will be supplied with 40 mm radius, unless requested differently. Screws and dowel pins are not included. Length of heater wires: 1500 mm. Length of thermocouple wires: 1000 mm.

NB: Steel spacers are supplied with 10 mm thickness; they must be modified by the customer to obtain the required thickness; the minimum thickness possible is 4 mm.

Variable distance between bushings: available upon request. Intermediate distance between bushings among the ones shown; in this case the product is non-standard. The final dimensions are the same as the bigger standard distance between bushings.

REF Series 8	C	REF Series 12	C	A	B	
PCX4-08-100x100/...	37	**PCX4-12-100x100/...**	37	200	100	Minimum
PCX4-08-125x125/...		**PCX4-12-125x125/...**		200	125	
PCX4-08-150x150/...		**PCX4-12-150x150/...**		250	150	
PCX4-08-175x175/...		**PCX4-12-175x175/...**		250	175	
PCX4-08-200x200/...		**PCX4-12-200x200/...**		300	200	
PCX4-08-225x225/...		**PCX4-12-225x225/...**		300	225	Maximum

Ordering example

PCX4 - 08 - 175 x 175 / 06 / 15,5 / H

Manifold series:
PCL1 / PCL2 / PCX4 / PCT2 / PCH4

Flow channel diameter:
8, 12 & 16 standard; 5, 6, 10 & 14 upon request

Nozzle inter-distance:
see table for standard. Custom between min & max.

Nozzle channel diameter:
4 / 6 / 8 / 10 / 12 (according to nozzle series)

Adapter radius: 0 / 15,5 / 40

Adapter type: unheated (U) / heated (H)

15/12/2010

DME

EVERY STEP OF THE WAY

Nozzles

endless possibilities for every application

DME

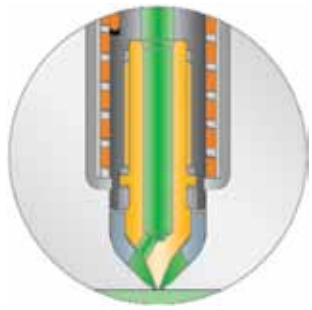
EVERY STEP OF THE WAY

Nozzles

www.dmeeu.com

Polifast

Standard tip

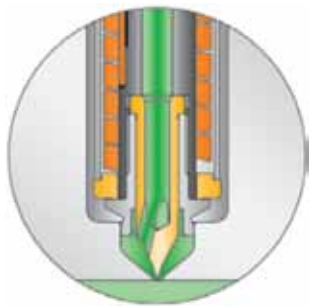


25 series	MFI
35g	High
15g	Medium
8g	Low

Designed for molds with high quantity production. Provides low heat transfer to the cavity. Mostly used for flip-top applications and or inside-part injection.

Polifast

Standard tip

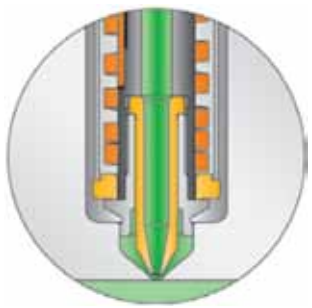


50 series	MFI
70g	High
35g	Medium
17g	Low

Designed for molds with high quantity production. Provides low heat transfer to the cavity. Mostly used for flip-top applications and or inside-part injection.

Polifast

Thru hole tip



50 series	MFI
55g	High
30g	Medium
12g	Low

Designed for molds with high quantity production with HDPE. Uses material with excellent thermal transfer and avoids material solidification in the gate area.

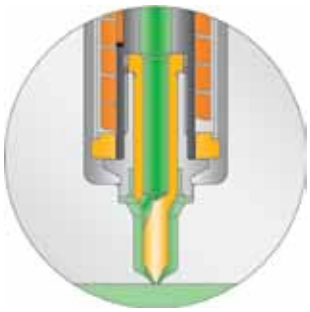
15/12/2010

Standard extended tip

Polifast

50 series	MFI
100g	High
40g	Medium
15g	Low

Designed for molds with high quantity production. Provides low heat transfer to the cavity. Mostly used for flip-top applications and or inside-part injection.



Point gate tip

Polifast

50 series	MFI
80g	High
40g	Medium
20g	Low

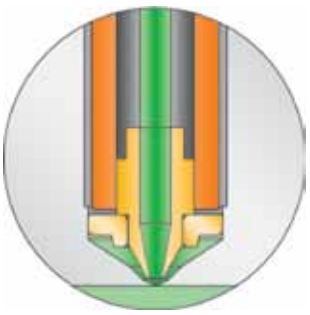
High performance nozzle with extreme compact design. Can be used for all materials and is a perfect solution for molding small components.

Thru hole tip

Polifast

50 series	MFI
120g	High
60g	Medium
30g	Low

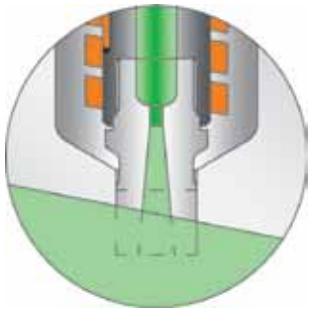
High performance nozzle with extreme compact design. Can be used for all materials and is a perfect solution for molding small components. Avoids material solidification in the gate area.



15/12/2010

Polimax

Sprue gate tip standard / extended

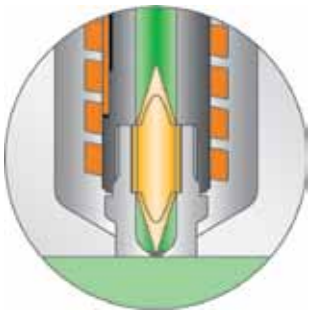


200 series	500 series	MFI
800g	1400g	High
400g	700g	Medium
200g	300g	Low

Provides excellent flow rate with minimum resistance. The tip types with extra stock length are ideal on runner injection applications.

Polimax

Ring gate tip / extended

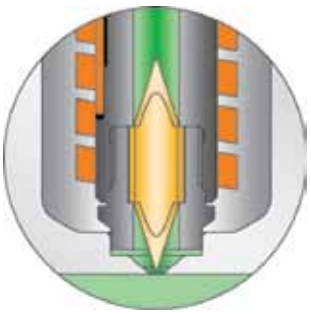


200 series	500 series	MFI
210g	980g	High
105g	490g	Medium
52g	210g	Low

Ideal for resins with high viscosity, provides excellent flow and minimum gate vestige. Available in an abrasive resistant version for all mineral and glass filled applications.

Polimax

Point gate tip



200 series	500 series	MFI
210g	980g	High
105g	490g	Medium
52g	210g	Low

Ideal for resins with high viscosity, provides excellent flow and minimum gate vestige. Available in an abrasive resistant version for all mineral and glass filled applications.

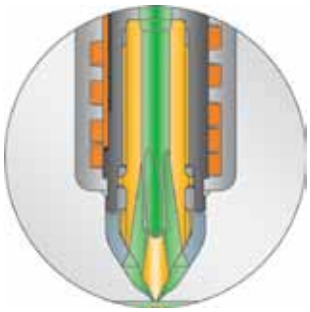
15/12/2010

Standard tip

Policosmetic

200 series	500 series	MFI
300g	750g	High
200g	500g	Medium
100g	250g	Low

Designed to provide low heat transfer to the cavity and is highly secure against leakages. Perfect for medium and large plastic volumes.

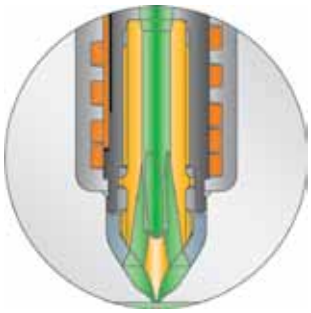


Super sharp tip

Policosmetic

200 series	500 series	MFI
300g	750g	High
200g	500g	Medium
100g	250g	Low

Designed to provide low heat transfer to the cavity and is highly secure against leakages. Specifically used for thin walled products and applications with small gates.

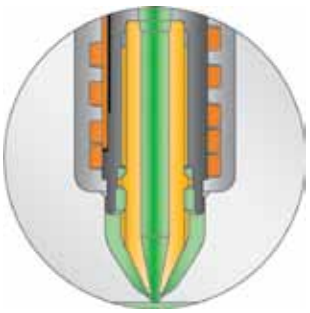


Thru hole tip

Policosmetic

200 series	500 series	MFI
460g	1150g	High
230g	575g	Medium
115g	250g	Low

Designed for molds with high quantity production with HDPE. Uses material with excellent thermal transfer and avoids material solidification in the gate area.

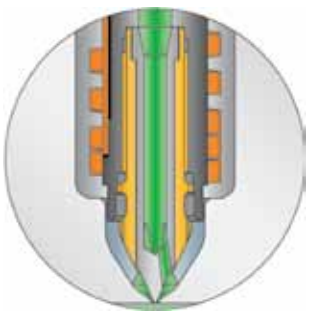


Abrasion resistant

Policosmetic

200 series	500 series	MFI
300g	750g	High
200g	500g	Medium
100g	250g	Low

Designed to provides low heat transfer to the cavity and is highly secure against leakages. Uses material with excellent thermal transfer and avoids solidifation in the gate area.

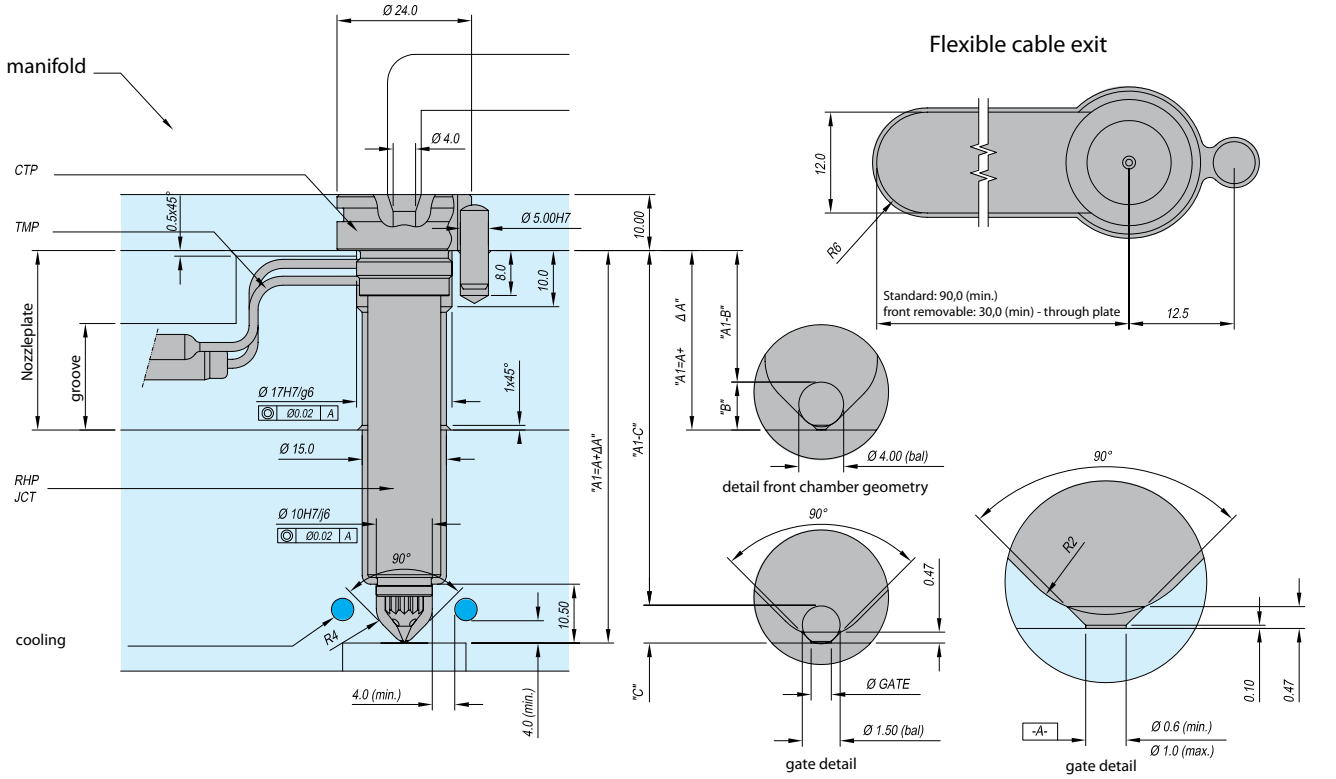


15/12/2010

PHF-BTP

Hot-One Nozzle

Heater options	
Standard type	Front removable type F
	



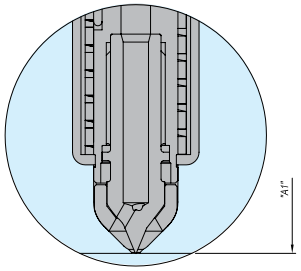
Heater options		Nozzle specification + components						
		REF	"A" mm	Components				
				Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Thermo-couple
Heater options	Standard Type	**PHF-BTP04070**	70,00	**CTP04070**	**RHP04055**	**JCT04055**	135W	**TMP01080**
		PHF-BTP04095	95,00	**CTP04095**	**RHP04080**	**JCT04075**	155W	**TMP01100**
		PHF-BTP04120	120,00	**CTP04120**	**RHP04105**	**JCT04075**	155W	**TMP01120**
	Front removable Type F	**PHF-BTP04070F**	70,00	**CTP04070**	**RHP04055F**	**JCT04055**	135W	**TMP01080**
		PHF-BTP04095F	95,00	**CTP04095**	**RHP04080F**	**JCT04075**	155W	**TMP01100**
		PHF-BTP04120F	120,00	**CTP04120**	**RHP4105F**	**JCT04075**	155W	**TMP01120**

Ø Gate mm	"B" mm	"C" mm
0,6	4,35	1,61
0,8	4,32	1,51
1,0	4,27	1,41

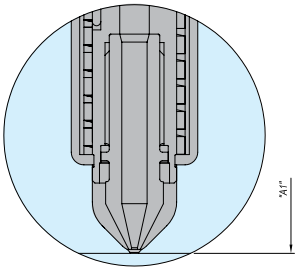
Nozzles to be ordered seperately

Gating detail - ☛ p18

Standard tip **PVM**



Thru hole tip **PVM**

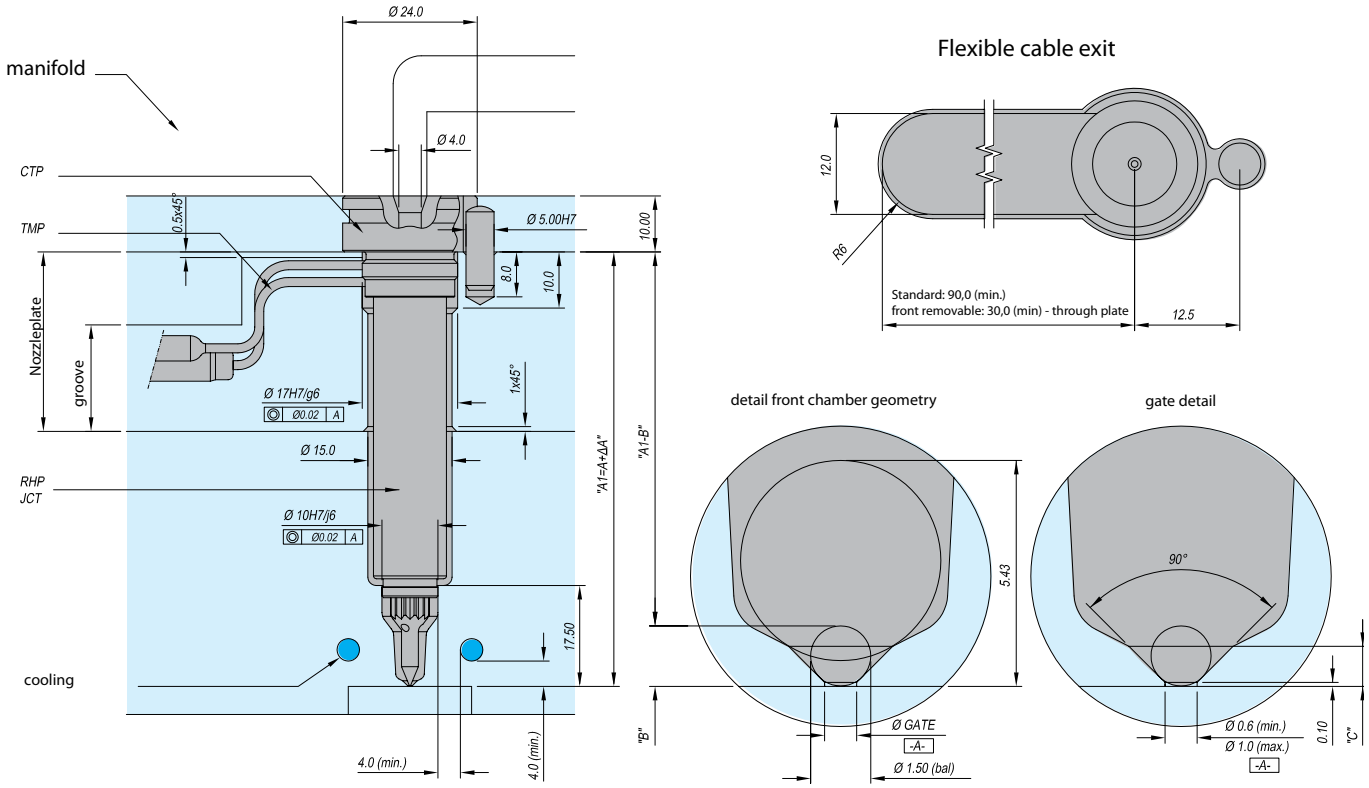


15/12/2010

Hot-One Nozzle

PHF-BTP

Heater options	
Standard type	Front removable type F



		Nozzle specification + components						
		REF	"A" mm	Components: Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Thermo-couple
Heater options	Standard Type	PHF-BTP04070	77,00	CTP04070	RHP04055	JCT04055	135W	TMP01080
		PHF-BTP04095	102,00	CTP04095	RHP04080	JCT04075	155W	TMP01100
		PHF-BTP04120	127,00	CTP04120	RHP04105	JCT04075	155W	TMP01120
	Front removable Type F	PHF-BTP04070F	77,00	CTP04070	RHP04055F	JCT04055	135W	TMP01080
		PHF-BTP04095F	102,00	CTP04095	RHP04080F	JCT04075	155W	TMP01100
		PHF-BTP04120F	127,00	CTP04120	RHP04105F	JCT04075	155W	TMP01120

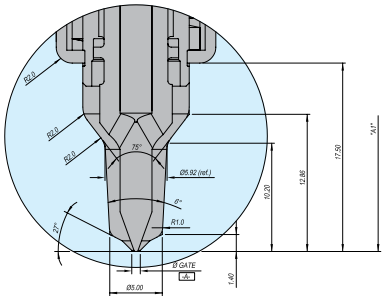
Ø Gate mm	"B" mm	"C" mm
0,6	1,61	0,47
0,8	1,51	0,57
1,0	1,41	0,67

Nozzles to be ordered seperately

Gating detail - ☛ p18

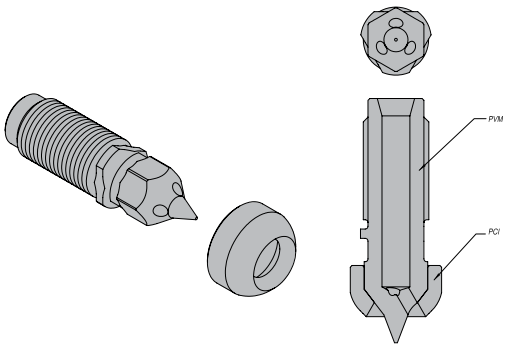
Standard tip extended

PVM



PVM

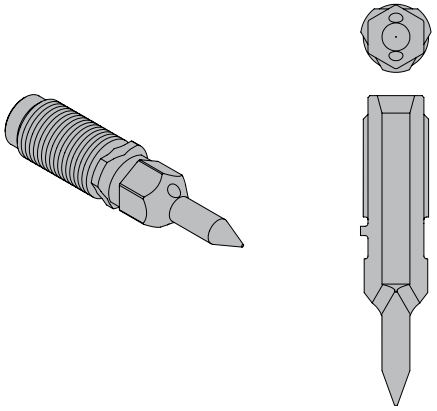
Standard tip



REF	Material	Insulator
PVM04001	Standard	PCI04001
PVM04004	High performance	

PVM

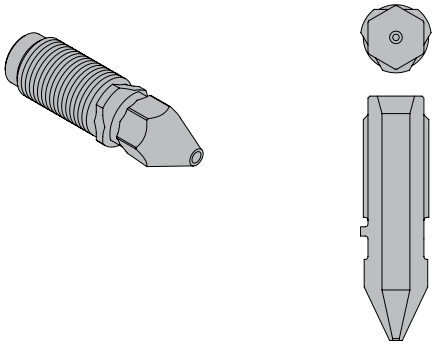
Standard extended tip



REF	Material
PVM04002	Standard
PVM04005	High performance

PVM

Thru hole tip



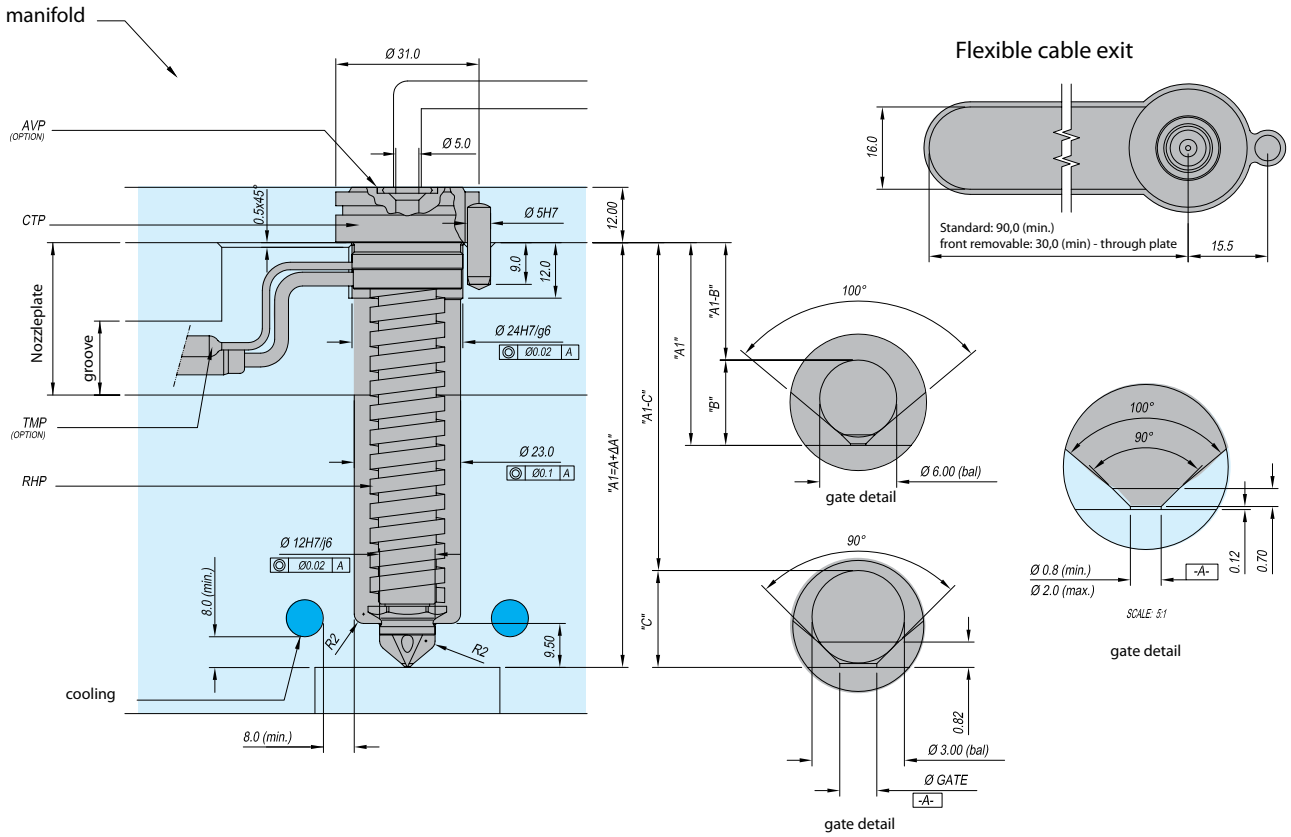
REF	Material
PVM04003	Standard
PVM04006	High performance

15/12/2010

PHF-BTP

Hot-One Nozzle

Heater options	
Standard type	Front removable type F
	



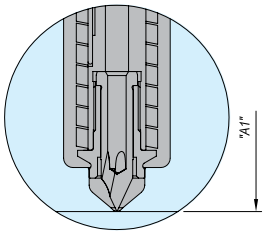
Heater options		Nozzle specification + components						
		REF	"A" mm	Components: Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Seal ring
Heater options	Standard Type	PHF-BTP05045	45,00	CTP05045	RHP05025	JCT05025	195W	AVP05016 (Option)
		PHF-BTP05060	60,00	CTP05060	RHP05040	JCT05030	260W	
		PHF-BTP05075	75,00	CTP05075	RHP05055	JCT05030	260W	
		PHF-BTP05100	100,00	CTP05100	RHP05080	JCT05030	350W	
		PHF-BTP05125	125,00	CTP05125	RHP05105	JCT05050	350W	
		PHF-BTP05150	150,00	CTP05150	RHP05130	JCT05050	500W	
		PHF-BTP05175	175,00	CTP05175	RHP05155	JCT05050	690W	
		PHF-BTP05200	200,00	CTP05200	RHP05180	JCT05050	690W	
	Front removable Type F	PHF-BTP05045F	45,00	CTP05045F	RHP05025F	JCT05025	195W	
		PHF-BTP05060F	60,00	CTP05060F	RHP05040F	JCT05030	260W	
		PHF-BTP05075F	75,00	CTP05075F	RHP05055F	JCT05030	260W	
		PHF-BTP05100F	100,00	CTP05100F	RHP05080F	JCT05030	350W	
		PHF-BTP05125F	125,00	CTP05125F	RHP05105F	JCT05050	350W	
		PHF-BTP05150F	150,00	CTP05150F	RHP05130F	JCT05050	500W	
		PHF-BTP05175F	175,00	CTP05175F	RHP05155F	JCT05050	690W	
		PHF-BTP05200F	200,00	CTP05200F	RHP05180F	JCT05050	690W	

Ø Gate mm	"B" mm	"C" mm
0,8	6,82	3,35
1,0	6,74	3,25
1,2	6,66	3,15
1,4	6,57	3,05
1,6	6,49	2,95
1,8	6,40	2,85
2,0	6,32	2,75

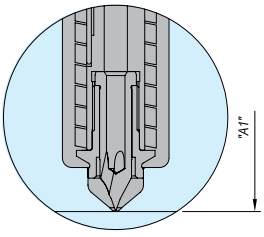
Nozzles to be ordered seperately

Gating detail - ☛ p24/25

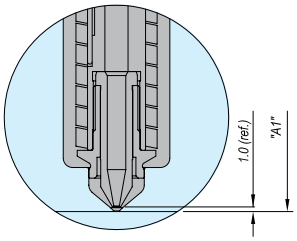
Standard tip **PVM**



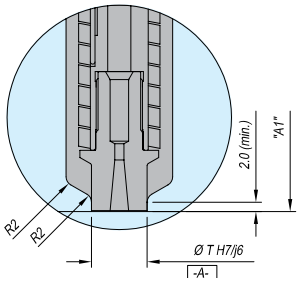
Super sharp tip **PVM**



Thru hole tip **PVM**



Sprue gate tip **PVM**

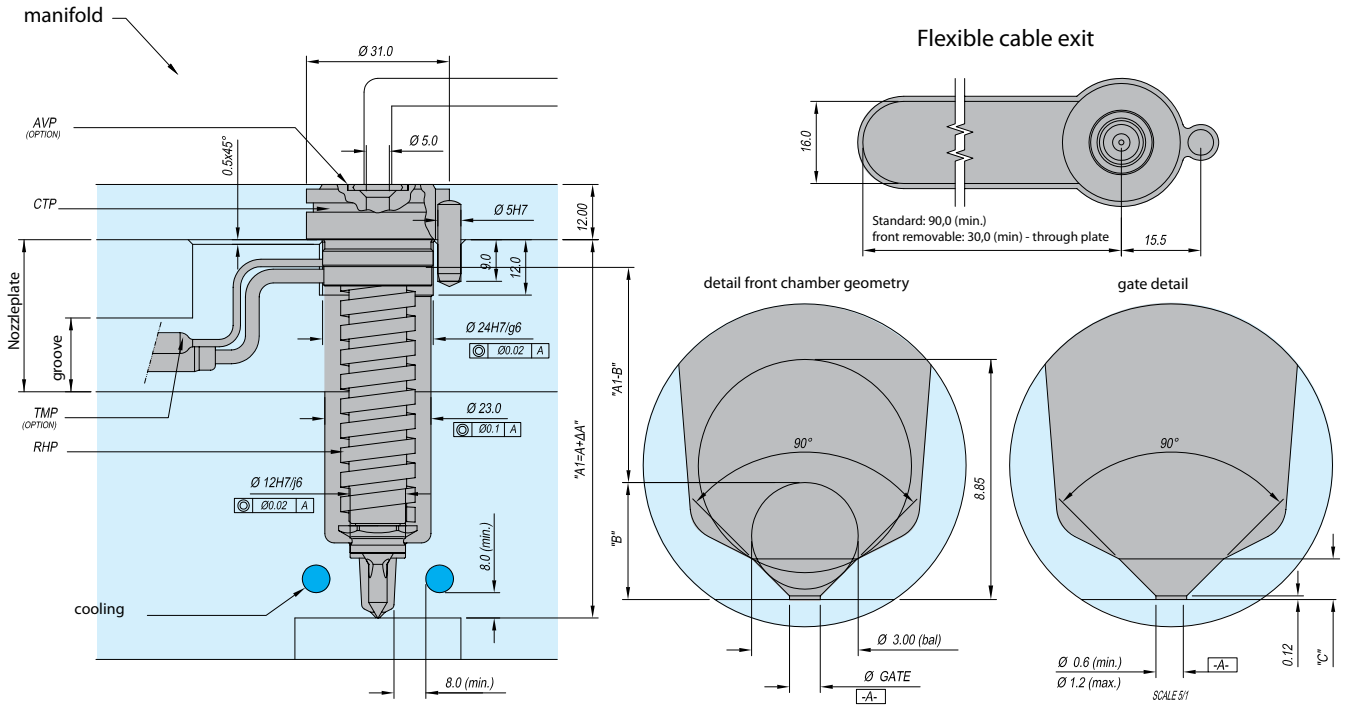


15/12/2010

Hot-One Nozzle

PHF-BTP

Heater options	
Standard type	Front removable type F



		Nozzle specification + components						
				Components				
		REF	"A" mm	Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Seal ring
Heater options	Standard Type	PHF-BTP05045	52,00	CTP05045	RHP05025	JCT05025	195W	AVP05016 (Option)
		PHF-BTP05060	67,00	CTP05060	RHP05040	JCT05030	260W	
		PHF-BTP05075	82,00	CTP05075	RHP05055	JCT05030	260W	
		PHF-BTP05100	107,00	CTP05100	RHP05080	JCT05030	350W	
		PHF-BTP05125	132,00	CTP05125	RHP05105	JCT05050	350W	
		PHF-BTP05150	157,00	CTP05150	RHP05130	JCT05050	500W	
		PHF-BTP05175	182,00	CTP05175	RHP05155	JCT05050	690W	
		PHF-BTP05200	207,00	CTP05200	RHP05180	JCT05050	690W	
	Front removable Type F	PHF-BTP05045F	52,00	CTP05045F	RHP05025F	JCT05025	195W	
		PHF-BTP05060F	67,00	CTP05060F	RHP05040F	JCT05030	260W	
		PHF-BTP05075F	82,00	CTP05075F	RHP05055F	JCT05030	260W	
		PHF-BTP05100F	107,00	CTP05100F	RHP05080F	JCT05030	350W	
		PHF-BTP05125F	132,00	CTP05125F	RHP05105F	JCT05050	350W	
		PHF-BTP05150F	157,00	CTP05150F	RHP05130F	JCT05050	500W	
		PHF-BTP05175F	182,00	CTP05175F	RHP05155F	JCT05050	690W	
		PHF-BTP05200F	207,00	CTP05200F	RHP05180F	JCT05050	690W	

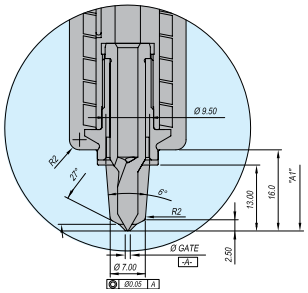
Ø Gate mm	"B" mm	"C" mm
0,6	3,44	0,92
0,8	3,34	1,03
1,0	3,24	1,13
1,2	3,14	1,23

Nozzles to be ordered seperately

Gating detail - ☛ p24/25

Standard tip extended

PVM

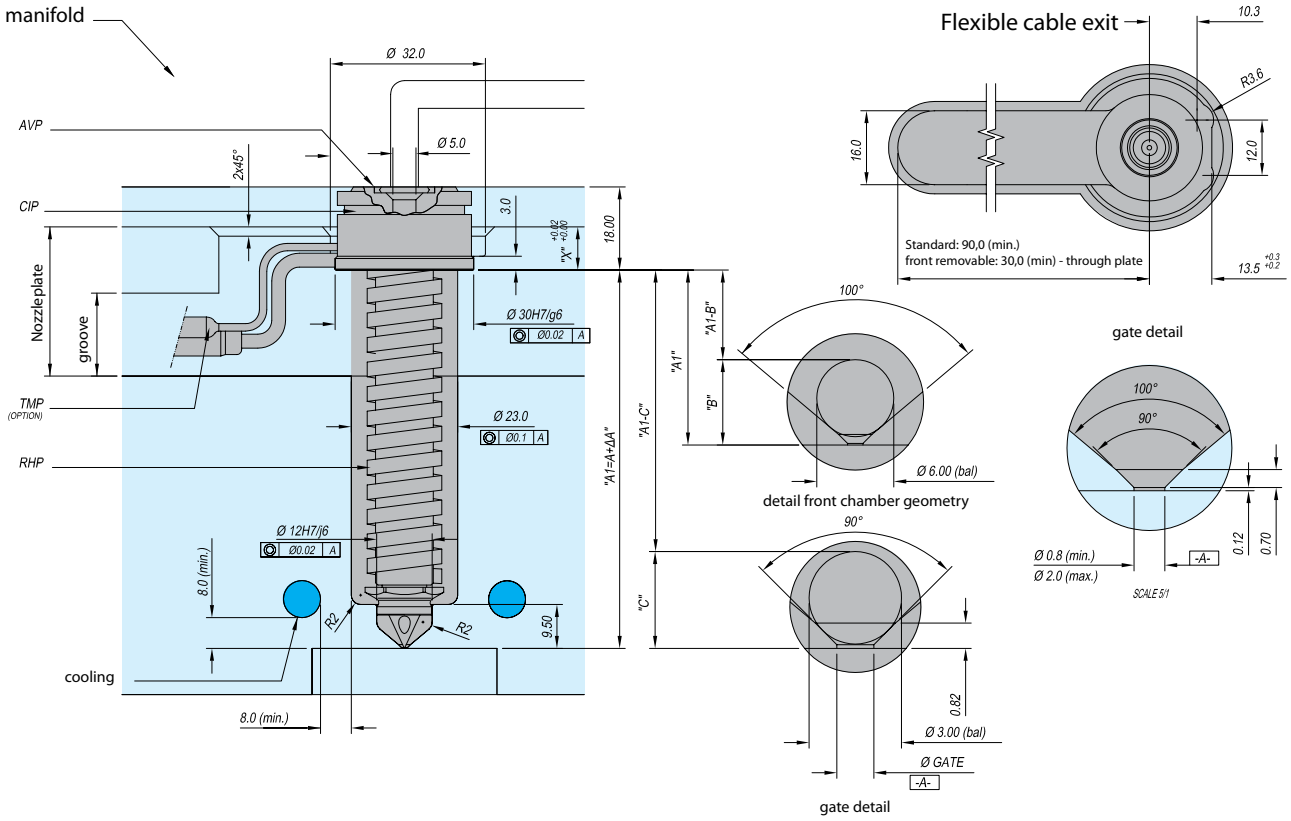


15/12/2010

PHF-BIP

Hot-One Nozzle

Heater options	
Standard type	Front removable type F
	



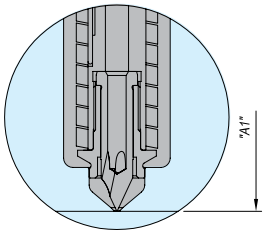
Heater options		Nozzle specification + components						
		REF	"A" mm	Components: Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Seal ring
	Standard Type	PHF-BIP05035	35,00	CIP05035	RHP05025	JCT05025	195W	AVP05016
		PHF-BIP05050	50,00	CIP05050	RHP05040	JCT05030	260W	
		PHF-BIP05065	65,00	CIP05065	RHP05055	JCT05030	260W	
		PHF-BIP05090	90,00	CIP05090	RHP05080	JCT05030	350W	
		PHF-BIP05115	115,00	CIP05115	RHP05105	JCT05050	350W	
		PHF-BIP05140	140,00	CIP05140	RHP05130	JCT05050	500W	
		PHF-BIP05165	165,00	CIP05165	RHP05155	JCT05050	690W	
		PHF-BIP05190	190,00	CIP05190	RHP05180	JCT05050	690W	
	Front removable Type F	PHF-BIP05035F	35,00	CIP05035F	RHP05025F	JCT05025	195W	
		PHF-BIP05050F	50,00	CIP05050F	RHP05040F	JCT05030	260W	
		PHF-BIP05065F	65,00	CIP05065F	RHP05055F	JCT05030	260W	
		PHF-BIP05090F	90,00	CIP05090F	RHP05080F	JCT05030	350W	
		PHF-BIP05115F	115,00	CIP05115F	RHP05105F	JCT05050	350W	
		PHF-BIP05140F	140,00	CIP05140F	RHP05130F	JCT05050	500W	
		PHF-BIP05165F	165,00	CIP05165F	RHP05155F	JCT05050	690W	
		PHF-BIP05190F	190,00	CIP05190F	RHP05180F	JCT05050	690W	

Ø Gate mm	"B" mm	"C" mm
0,8	6,82	3,35
1,0	6,74	3,25
1,2	6,66	3,15
1,4	6,57	3,05
1,6	6,49	2,95
1,8	6,40	2,85
2,0	6,32	2,75

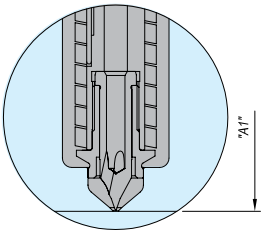
Nozzles to be ordered seperately

Gating detail - ☛ p25

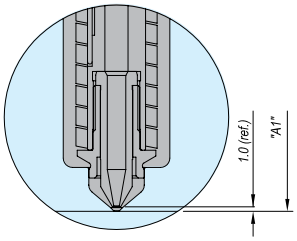
Standard tip **PVM**



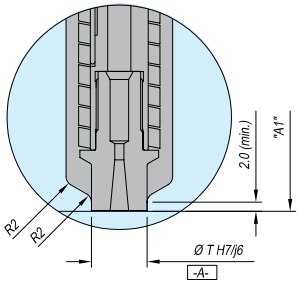
Super sharp tip **PVM**



Thru hole tip **PVM**



Sprue gate tip **PID**

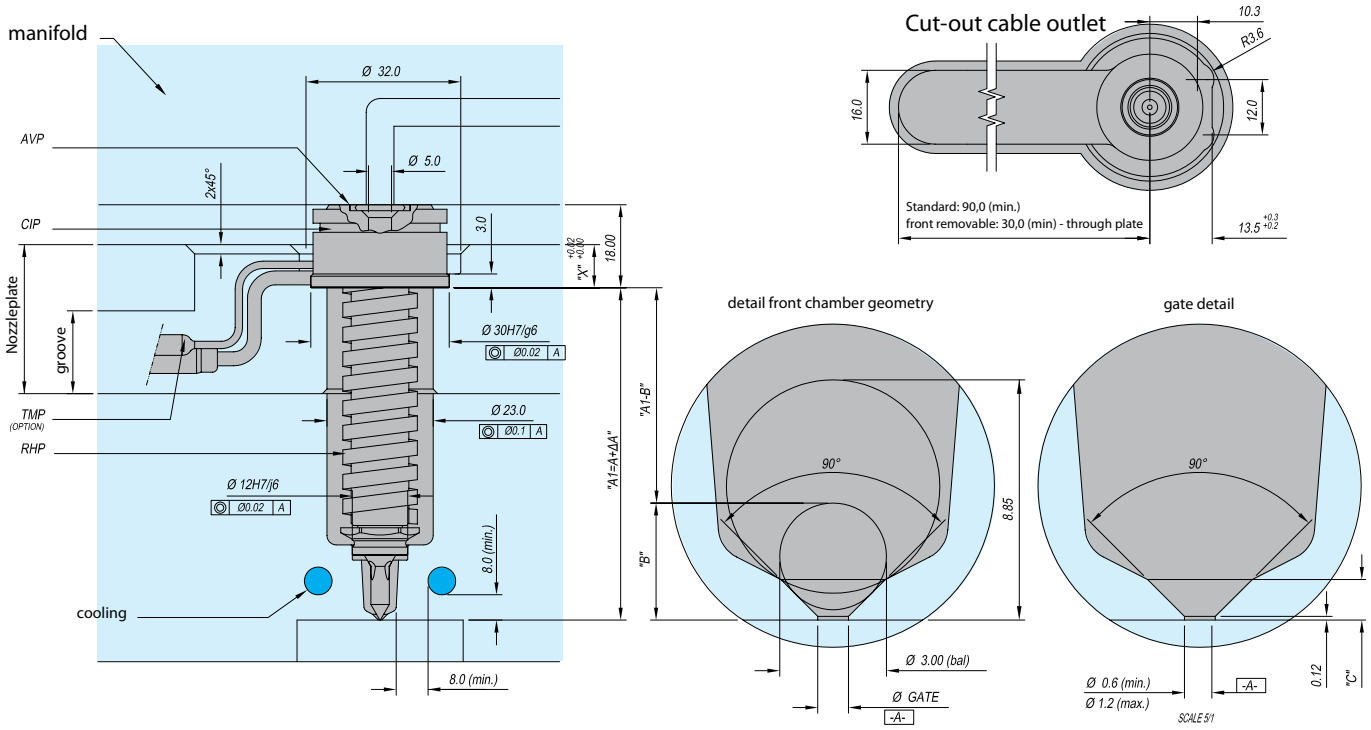


15/12/2010

Hot-One Nozzle

PHF-BIP

Heater options	
Standard type	Front removable type F



Heater options		Nozzle specification + components						
		REF	"A" mm	Components: Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Seal ring
	Standard Type	PHF-BIP05035	42,00	CIP05035	RHP05025	JCT05025	195W	AVP05016
		PHF-BIP05050	57,00	CIP05050	RHP05040	JCT05030	260W	
		PHF-BIP05065	72,00	CIP05065	RHP05055	JCT05030	260W	
		PHF-BIP05090	97,00	CIP05090	RHP05080	JCT05030	350W	
		PHF-BIP05115	122,00	CIP05115	RHP05105	JCT05050	350W	
		PHF-BIP05140	147,00	CIP05140	RHP05130	JCT05050	500W	
		PHF-BIP05165	172,00	CIP05165	RHP05155	JCT05050	690W	
		PHF-BIP05190	197,00	CIP05190	RHP05180	JCT05050	690W	
	Front removable Type F	PHF-BIP05035F	42,00	CIP05035F	RHP05025F	JCT05025	195W	
		PHF-BIP05050F	57,00	CIP05050F	RHP05040F	JCT05030	260W	
		PHF-BIP05065F	72,00	CIP05065F	RHP05055F	JCT05030	260W	
		PHF-BIP05090F	97,00	CIP05090F	RHP05080F	JCT05030	350W	
		PHF-BIP05115F	122,00	CIP05115F	RHP05105F	JCT05050	350W	
		PHF-BIP05140F	147,00	CIP05140F	RHP05130F	JCT05050	500W	
		PHF-BIP05165F	172,00	CIP05165F	RHP05155F	JCT05050	690W	
		PHF-BIP05190F	197,00	CIP05190F	RHP05180F	JCT05050	690W	

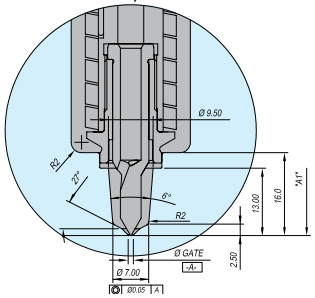
Ø Gate mm	"B" mm	"C" mm
0,6	3,44	0,92
0,8	3,34	1,03
1,0	3,24	1,13
1,2	3,14	1,23

Nozzles to be ordered seperately

Gating detail - ☛ p25

Standard tip extended

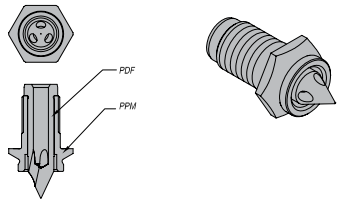
PVM



15/12/2010

PVM

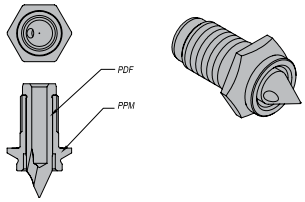
Standard tip



REF	Tip components		
	Tip insert*	Flange**	Material
PVM05001	**PDF05801**	**PPM05401**	*Standard
			**Standard
PVM05003	**PDF05801**	**PPM05601**	*Standard
			**Wear resistant
PVM05021	**PDF05501**	**PPM05401**	*High performance
			**Standard
PVM05023	**PDF05501**	**PPM05601**	*High performance
			**Wear resistant

PVM

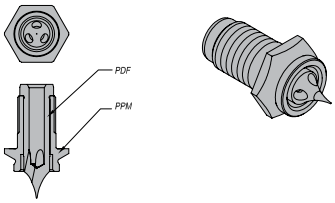
Standard tip



REF	Tip components		
	Tip insert*	Flange**	Material
PVM05002	**PDF05802**	**PPM05401**	*Standard
			**Standard
PVM05004	**PDF05802**	**PPM05601**	*Standard
			**Wear resistant
PVM05022	**PDF05502**	**PPM05401**	*High performance
			**Standard
PVM05024	**PDF05502**	**PPM05601**	*High performance
			**Wear resistant

PVM

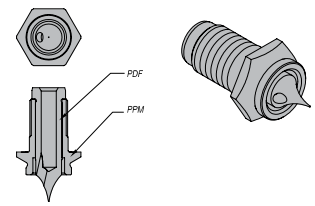
Super sharp tip



REF	Tip components		
	Tip insert*	Flange**	Material
PVM05005	**PDF05803**	**PPM05401**	*Standard
			**Standard
PVM05007	**PDF05803**	**PPM05601**	*Standard
			**Wear resistant
PVM05025	**PDF05503**	**PPM05401**	*High performance
			**Standard
PVM05027	**PDF05503**	**PPM05601**	*High performance
			**Wear resistant

PVM

Super sharp tip



REF	Tip components		
	Tip insert*	Flange**	Material
PVM05006	**PDF05804**	**PPM05401**	*Standard
			**Standard
PVM05008	**PDF05804**	**PPM05601**	*Standard
			**Wear resistant
PVM05026	**PDF05504**	**PPM05401**	*High performance
			**Standard
PVM05028	**PDF05504**	**PPM05601**	*High performance
			**Wear resistant

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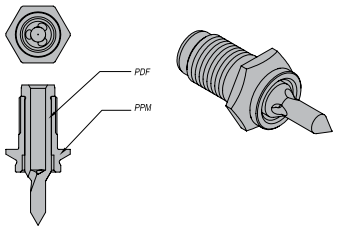
Standard tip extended

PVM

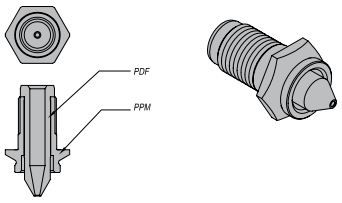
REF	Tip components		
	Tip insert*	Flange**	Material
PVM05011	**PDF05806**	**PPM05401**	*Standard
			**Standard
PVM05013	**PDF05806**	**PPM05601**	*Standard
			**Wear resistant
PVM05029	**PDF05506**	**PPM05401**	*High performance
			**Standard
PVM05031	**PDF05506**	**PPM05601**	*High performance
			**Wear resistant



Tru hole tip

PVM

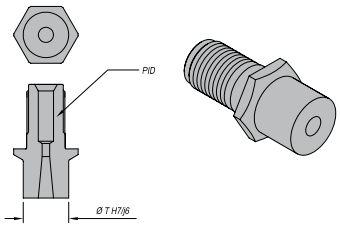
REF	Tip components		
	Tip insert*	Flange**	Material
PVM05009	**PDF05805**	**PPM05401**	*Standard
			**Standard
PVM05010	**PDF05805**	**PPM05601**	*Standard
			**Wear resistant
PVM05033	**PDF05505**	**PPM05401**	*High performance
			**Standard
PVM05034	**PDF05505**	**PPM05601**	*High performance
			**Wear resistant



Sprue gate tip

PID

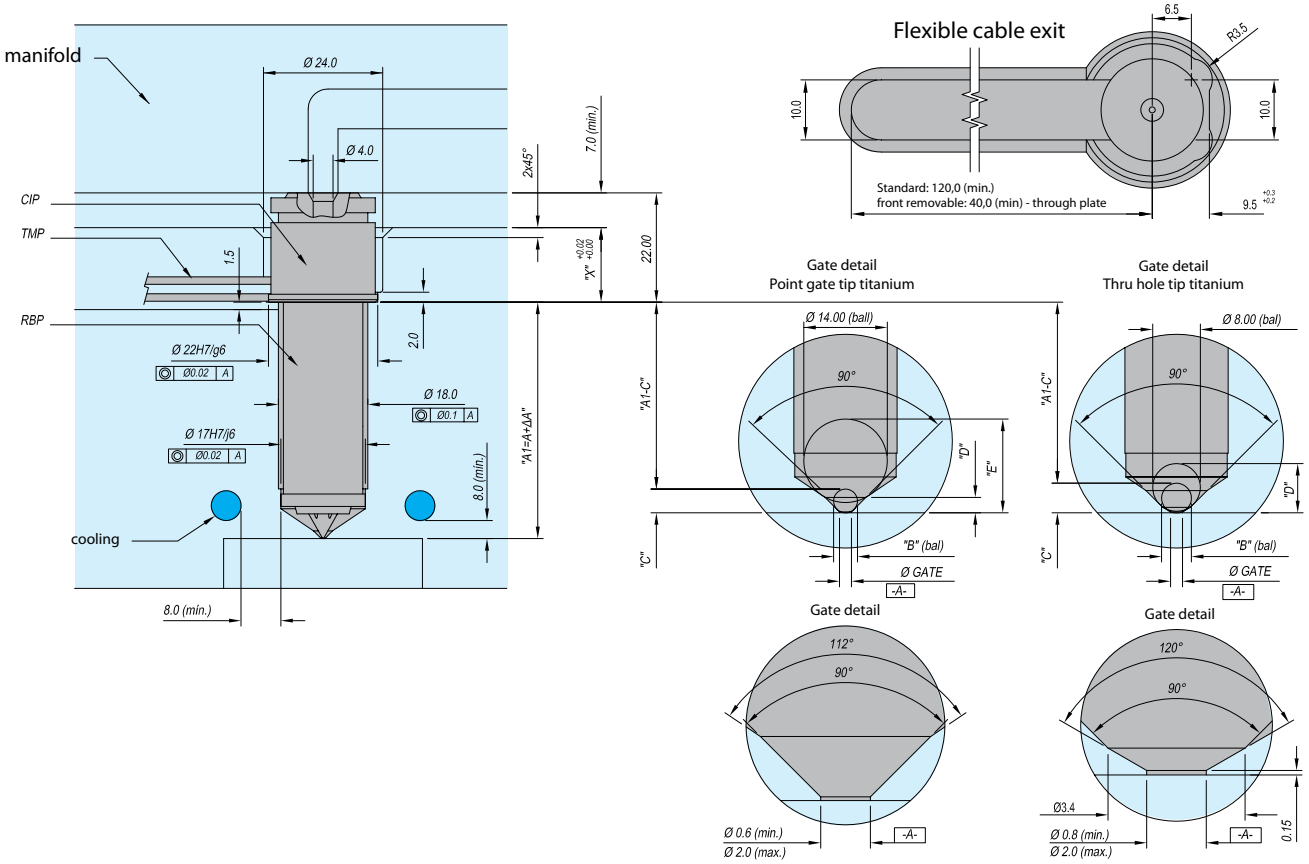
REF	"T" mm
PID05001	12,00
PID05002	12,50



15/12/2010

PHF-BMP

Hot-One Nozzle



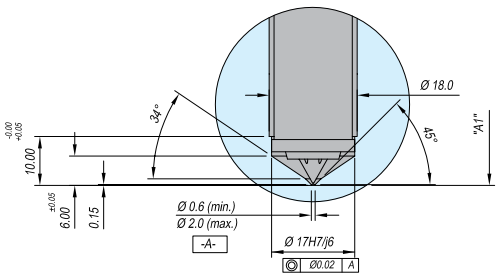
Heater options		Nozzle specification + components					
		REF	"A" mm	Components: Nozzle body	Components: Heater	Components: Wattage @ 230 VAC	Components: Thermocouple
	Standard Type	PHF-BMP05047	47,50	CMP05047	RBP05044	175W	TMP01080
		PHF-BMP05057	57,50	CMP05057	RBP05054	190W	TMP01100
		PHF-BMP05067	67,50	CMP05067	RBP05064	200W	TMP01120
	Front removable Type F	PHF-BMP05047F	47,50	CMP05047	RBP05044F	175W	TMP01080
		PHF-BMP05057F	57,50	CMP05057	RBP05054F	190W	TMP01100
		PHF-BMP05067F	67,50	CMP05067	RBP05064F	200W	TMP01120

Heater options	
Standard type	Front removable type F
	

Nozzles to be ordered seperately

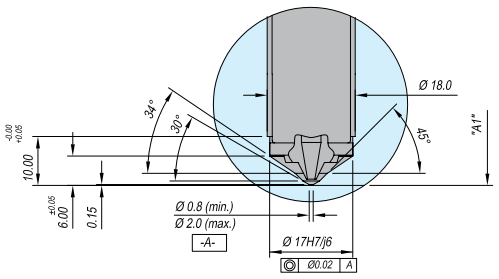
Gating detail - ☛ p28

Point gate tip titanium **PVM**



Ø Gate mm	"B" mm	"C" mm	"D" mm	"E" mm
0,6	2,00	2,26	1,13	15,71
0,8		2,16	1,34	
1,0		2,06	1,54	
1,2	3,00	3,17	1,75	
1,4		3,07	1,96	
1,6		2,97	2,17	
1,8	4,00	4,08	2,37	
2,0		3,98	2,58	

Thru hole tip titanium **PVM**



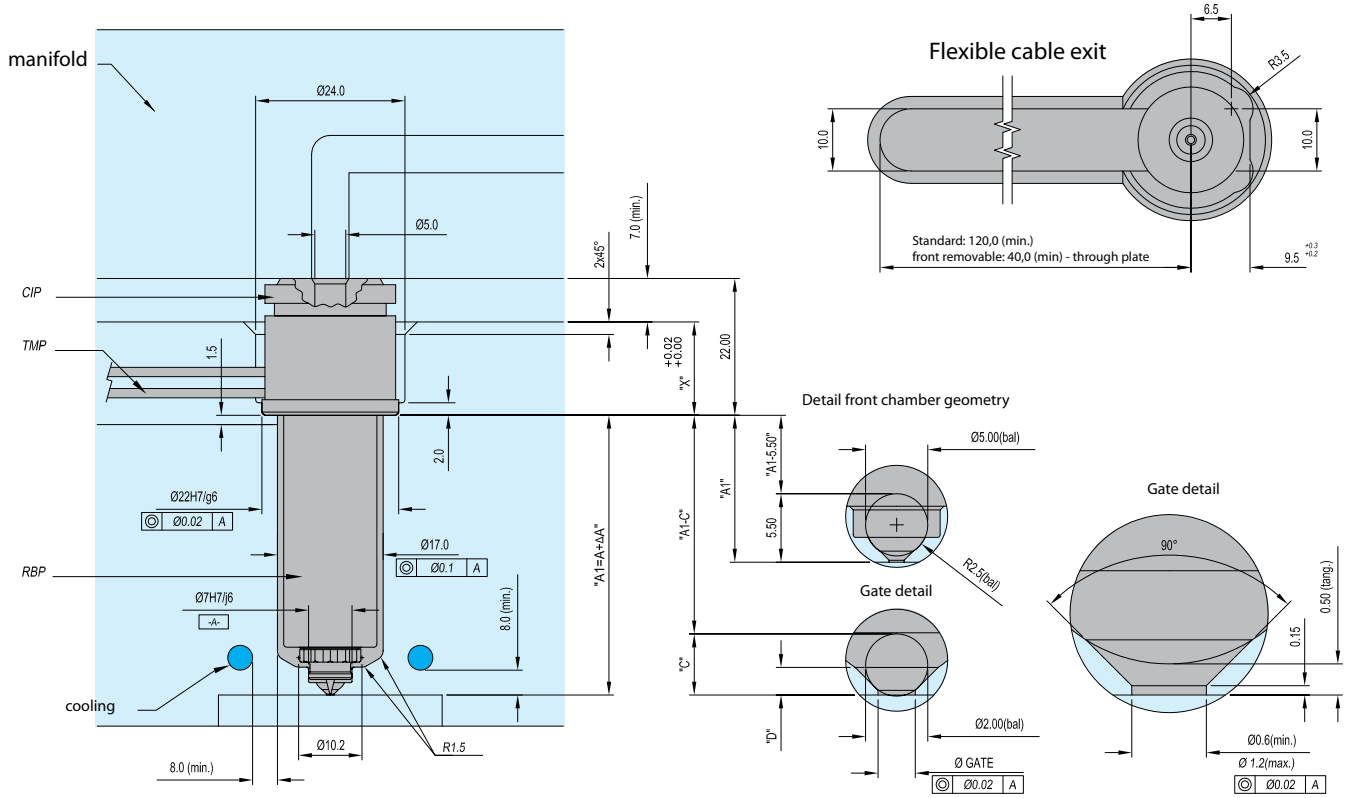
Ø Gate mm	"B" mm	"C" mm	"D" mm
0,8	3,00	3,15	8,86
1,0		3,09	8,80
1,2	4,00	4,11	8,74
1,4		4,06	8,68
1,6		4,00	8,63
1,8	5,00	5,02	8,57
2,0		4,96	8,51

15/12/2010

Hot-One Nozzle

PHF-BMP

Heater options	
Standard type	Front removable type F

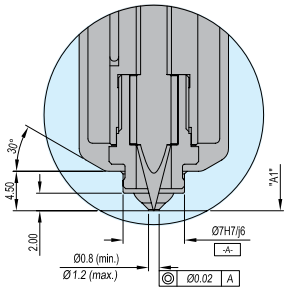


		Nozzle specification + components						Ø Gate mm	"B" mm	"C" mm
		REF	"A" mm	Components: Nozzle body	Heater	Wattage @ 230 VAC	Thermocouple			
Heater options	Standard Type	PHF-BMP05045	45,00	CMP05045	RBP04045	175W	TMP01080	0,6	2,26	0,62
		PHF-BMP05055	55,00	CMP05055	RBP04055	190W	TMP01100	0,8	2,16	0,68
		PHF-BMP05065	65,00	CMP05065	RBP04065	200W	TMP01120	1,0	2,06	0,76
		PHF-BMP05080	80,00	CMP05080	RBP04080	210W	TMP01140	1,2	1,96	0,89
		PHF-BMP05105	105,00	CMP05105	RBP04105	220W	TMP01160			
	Front removable Type F	PHF-BMP05045F	45,00	CMP05045F	RBP04045F	175W	TMP01080			
		PHF-BMP05055F	55,00	CMP05055F	RBP04055F	190W	TMP01100			
		PHF-BMP05065F	65,00	CMP05065F	RBP04065F	200W	TMP01120			
		PHF-BMP05080F	80,00	CMP05080F	RBP04080F	210W	TMP01140			
		PHF-BMP05105F	105,00	CMP05105F	RBP04105F	220W	TMP01160			

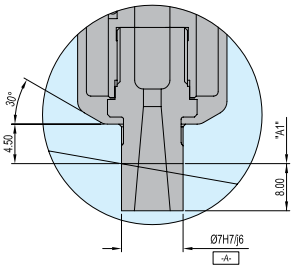
Nozzles to be ordered seperately

Gating detail - ☛ p28

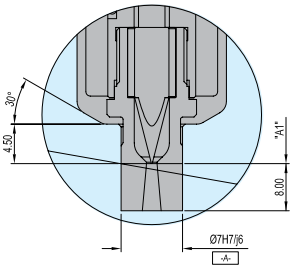
Point gate tip **PVM**



Sprue gate tip **PID**



Ring gate tip **PMA**



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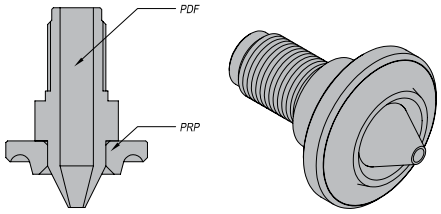
PVM

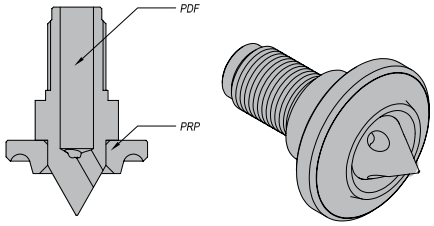
Tru hole tip titanium



REF	Tip components		
	Tip insert*	Flange	Material
PVM05019	**PDF05812**	**PRP05501**	*Standard
PVM05020	**PDF05813**	**PRP05501**	*High performance

PVM

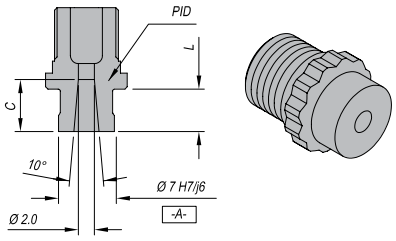
Point gate tip titanium



REF	Tip components		
	Tip insert*	Flange	Material
PVM05015	**PDF05808**	**PPM05403**	*Standard
PVM05016	**PDF05809**	**PPM05403**	*High performance

PID

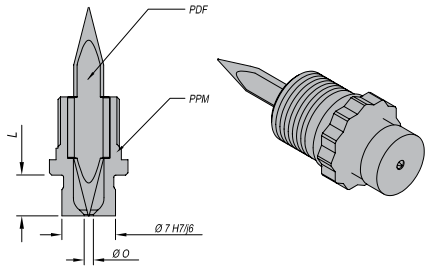
Sprue gate tip



REF	Dimensions tips	
	"L" mm	"C" mm
PID05003	5,30	6,50
PID05004	13,30	14,50

PMA

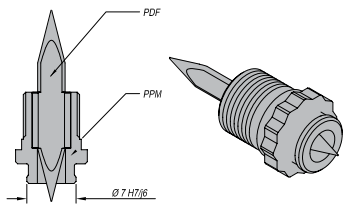
Ring gate tip



Dimensions tips					
REF	Tip components		Material	"O" mm	"L" mm
	Tip insert*	Nozzle body			
PMA05001	**PDF05808**	**PPM05603**	Standard	0,80	5,30
PMA05002		**PPM05604**		1,20	
PMA05003		**PPM05605**		0,80	13,30
PMA05004		**PPM05606**		1,20	
PMA05005	**PDF05809**	**PPM05603**	High performance	0,80	5,30
PMA05006		**PPM05604**		1,20	
PMA05007		**PPM05605**		0,80	13,30
PMA05008		**PPM05606**		1,20	

PVM

Point gate tip



REF	Tip components		
	Tip insert*	Flange	Material
PVM05017	**PDF05810**	**PRP05501**	*Standard
PVM05018	**PDF05811**	**PRP05501**	*High performance

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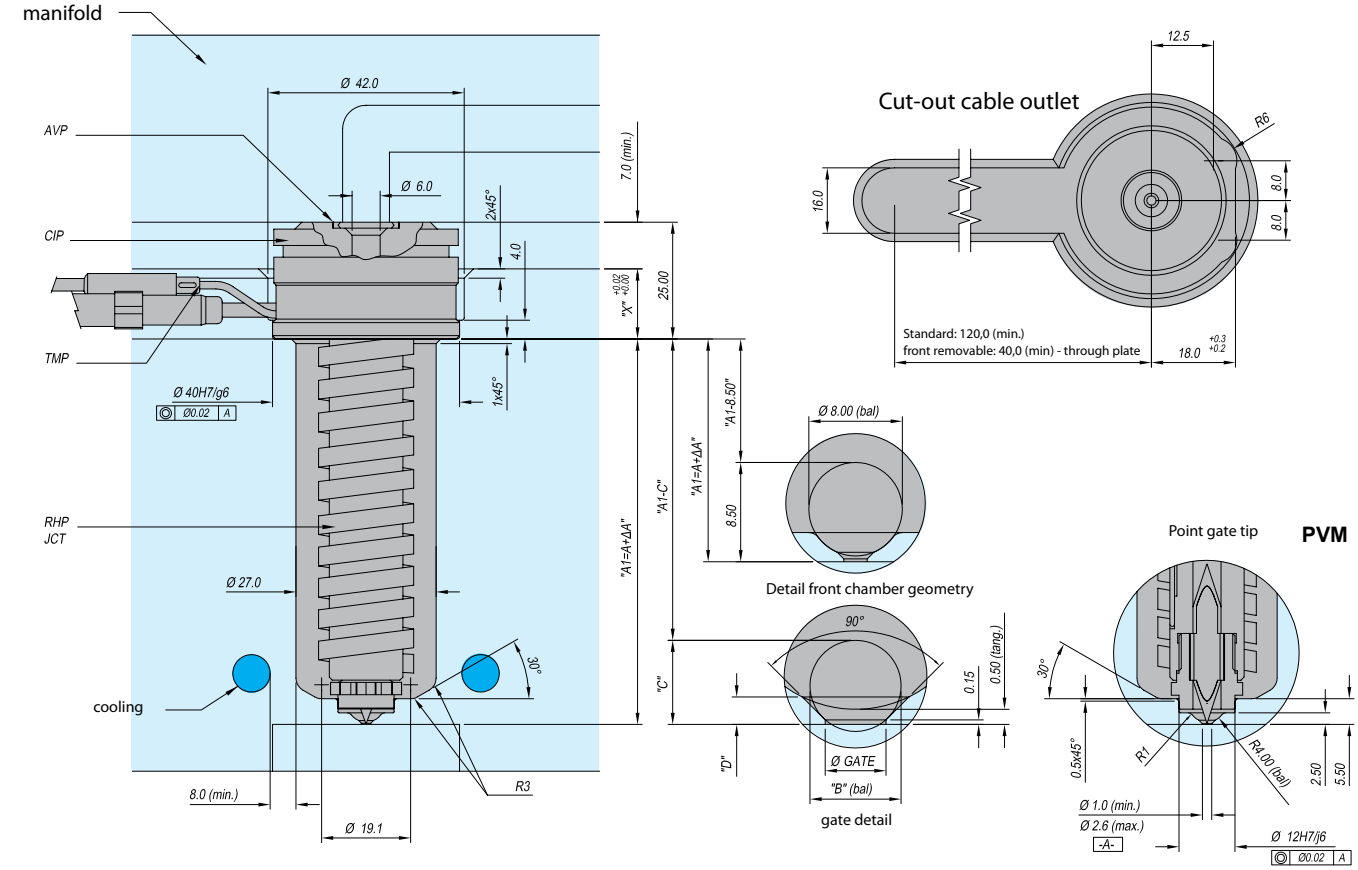
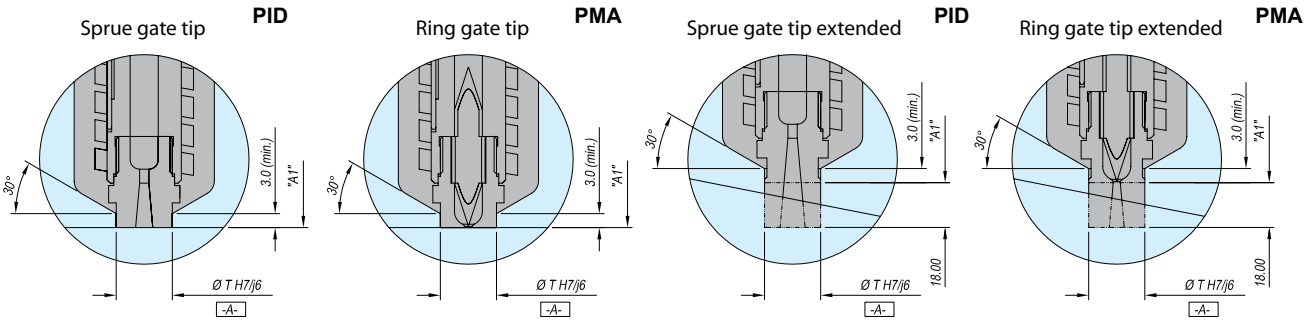
Hot-One Nozzle / Tip options - p30

PHX-HIP

Heater options	
Standard type	Front removable type F





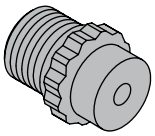
		Nozzle specification + components							
				Components					
		REF	"A" mm	Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Thermo-couple	Seal ring
Heater options	Standard Type	PHX-HIP06055	55,00	CIP06055	RHP06051	JCT06050	350W	TMP01080	AVP06016
		PHX-HIP06067	67,50	CIP06067	RHP06063	JCT06050	350W	TMP01100	
		PHX-HIP06080	80,00	CIP06080	RHP06076	JCT06050	400W	TMP01120	
		PHX-HIP06092	92,50	CIP06092	RHP06089	JCT06050	400W	TMP01140	
		PHX-HIP06105	105,00	CIP06105	RHP06102	JCT06100	500W	TMP01160	
		PHX-HIP06130	130,00	CIP06130	RHP06127	JCT06100	500W	TMP01180	
		PHX-HIP06155	155,00	CIP06155	RHP06153	JCT06100	610W	TMP01200	
	Front removable Type F	PHX-HIP06055F	55,00	CIP06055F	RHP06051F	JCT06050	350W	TMP01080	
		PHX-HIP06067F	67,50	CIP06067F	RHP06063F	JCT06050	350W	TMP01100	
		PHX-HIP06080F	80,00	CIP06080F	RHP06076F	JCT06050	400W	TMP01120	
		PHX-HIP06092F	92,50	CIP06092F	RHP06089F	JCT06050	400W	TMP01140	
		PHX-HIP06105F	105,00	CIP06105F	RHP06102F	JCT06100	500W	TMP01160	
		PHX-HIP06130F	130,00	CIP06130F	RHP06127F	JCT06100	500W	TMP01180	
		PHX-HIP06155F	155,00	CIP06155F	RHP06153F	JCT06100	610W	TMP01200	

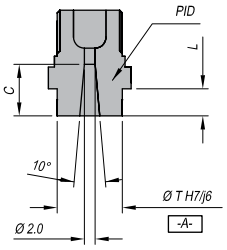
Ø Gate mm	"B" mm	"C" mm	"D" mm
1,0	2	2,06	0,62
1,2		1,96	0,66
1,4		1,86	0,70
1,6	3	2,97	0,75
1,8		2,87	0,82
2,0		2,77	0,91
2,2	4	3,88	1,02
2,4		3,78	1,18
2,6		3,68	1,54

Nozzles to be ordered seperately

15/12/2010

PID

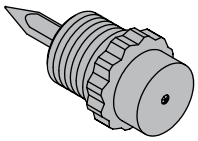


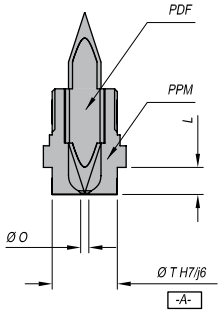


Sprue Gate Tip

REF	"T" mm	"L" mm	"C" mm
PID06001	12	5,50	Std 9
PID06002	18	5,50	
PID06003	12	23,50	Std 27
PID06004	18	23,50	

PMA

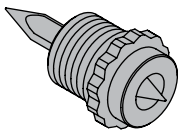


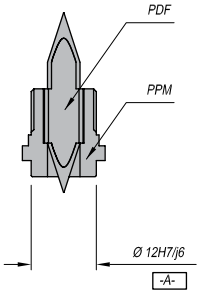


Ring Gate Tip

REF	Tip components		Material	"T" mm	"O" mm	"L" mm
	Tip insert	Retainer				
PMA06001	**PDF06702**	**PPM06601**	Standard (coated in Cr)	12	1,5	Std 5,50
PMA06002		**PPM06602**		12	2,0	
PMA06003		**PPM06603**		18	1,5	
PMA06004		**PPM06604**		18	2,0	
PMA06005		**PPM06605**		12	1,5	Ext 23,50
PMA06006		**PPM06606**		12	2,0	
PMA06007		**PPM06607**		18	1,5	
PMA06008		**PPM06608**		18	2,0	
PMA06009	**PDF06502**	**PPM06601**	High Performance	12	1,5	Std 5,50
PMA06010		**PPM06602**		12	2,0	
PMA06011		**PPM06603**		18	1,5	
PMA06012		**PPM06604**		18	2,0	
PMA06013		**PPM06605**		12	1,5	Ext 23,50
PMA06014		**PPM06606**		12	2,0	
PMA06015		**PPM06607**		18	1,5	
PMA06016		**PPM06608**		18	2,0	
PMA06101	**PDF06602**	**PPM06601**	Abrasion Resistant	12	1,5	Std 5,50
PMA06102		**PPM06602**		12	2,0	
PMA06103		**PPM06603**		18	1,5	
PMA06104		**PPM06604**		18	2,0	
PMA06105		**PPM06605**		12	1,5	Ext 23,50
PMA06106		**PPM06606**		12	2,0	
PMA06107		**PPM06607**		18	1,5	
PMA06108		**PPM06608**		18	2,0	
PMA06109	**PDF06802**	**PPM06601**	Standard (coated in Ni)	12	1,5	Std 5,50
PMA06110		**PPM06602**		12	2,0	
PMA06111		**PPM06603**		18	1,5	
PMA06112		**PPM06604**		18	2,0	
PMA06113		**PPM06605**		12	1,5	Ext 23,50
PMA06114		**PPM06606**		12	2,0	
PMA06115		**PPM06607**		18	1,5	
PMA06116		**PPM06608**		18	2,0	

PVM





Point Gate Tip

REF	Components		
	Tip Insert	Retainer	Material
PVM06001	**PDF06702**	**PPM06609**	Standard (coated in Cr)
PVM06002	**PDF06502**	**PPM06609**	High Performance
PVM06008	**PDF06602**	**PPM06609**	Abrasion Resistant
PVM06009	**PDF06802**	**PPM06609**	Standard (coated in Ni)

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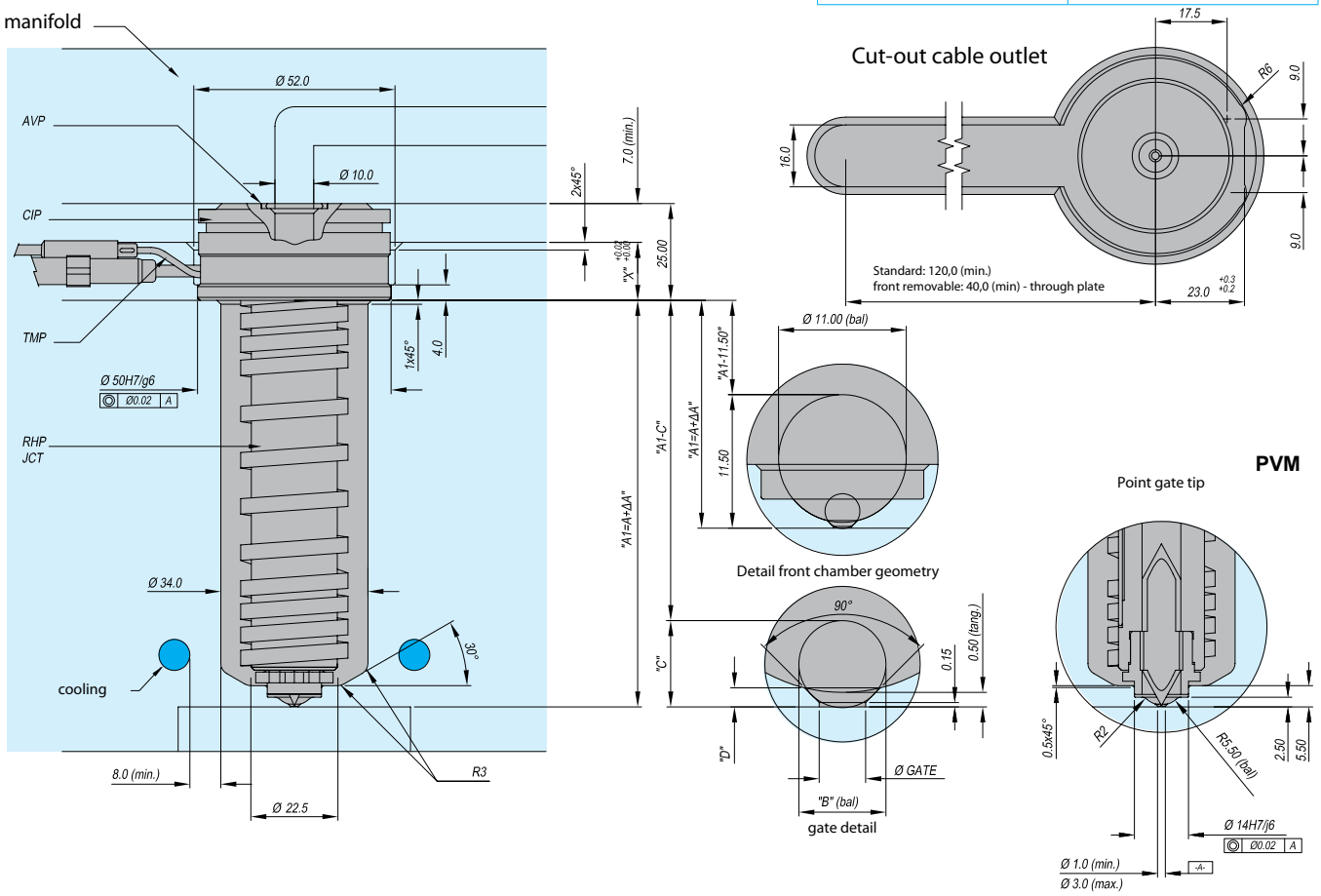
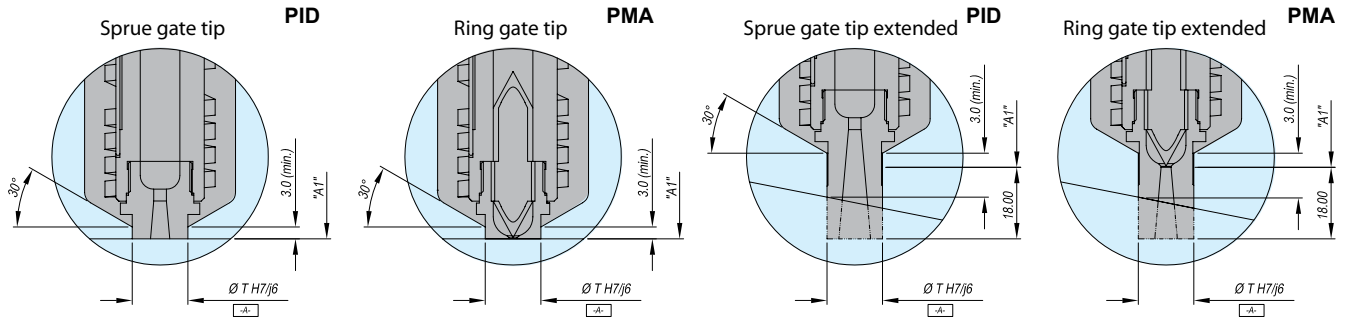
Hot-One Nozzle / Tip options - ☛ p32

PHX-HIP

Heater options	
Standard type	Front removable type F





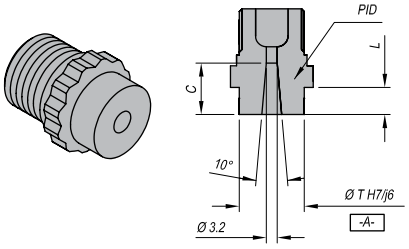
		Nozzle specification + components							
				Components					
		REF	"A" mm	Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Thermo-couple	Seal ring
Heater options	Standard Type	PHX-HIP10055	55,00	CIP10055	RHP10054	JCT10050	400W	TMP01080	AVP06016
		PHX-HIP10067	67,50	CIP10067	RHP10067	JCT10050	400W	TMP01100	
		PHX-HIP10080	80,00	CIP10080	RHP10080	JCT10050	500W	TMP01120	
		PHX-HIP10092	92,50	CIP10092	RHP10092	JCT10050	690W	TMP01140	
		PHX-HIP10105	105,00	CIP10105	RHP10105	JCT10100	690W	TMP01160	
		PHX-HIP10130	130,00	CIP10130	RHP10130	JCT10100	760W	TMP01180	
		PHX-HIP10155	155,00	CIP10155	RHP10156	JCT10100	760W	TMP01200	
		PHX-HIP10180	180,00	CIP10180	RHP10181	JCT10100	850W	TMP01220	
	Front removable Type F	PHX-HIP10055F	55,00	CIP10055F	RHP10054F	JCT10050	400W	TMP01080	
		PHX-HIP10067F	67,50	CIP10067F	RHP10067F	JCT10050	400W	TMP01100	
		PHX-HIP10080F	80,00	CIP10080F	RHP10080F	JCT10050	500W	TMP01120	
		PHX-HIP10092F	92,50	CIP10092F	RHP10092F	JCT10050	690W	TMP01140	
		PHX-HIP10105F	105,00	CIP10105F	RHP10105F	JCT10100	690W	TMP01160	
		PHX-HIP10130F	130,00	CIP10130F	RHP10130F	JCT10100	760W	TMP01180	
		PHX-HIP10155F	155,00	CIP10155F	RHP10156F	JCT10100	760W	TMP01200	
		PHX-HIP10180F	180,00	CIP10180F	RHP10181F	JCT10100	850W	TMP01220	

Ø Gate mm	"B" mm	"C" mm	"D" mm
1,0	2	2,06	0,58
1,2		1,96	0,60
1,4		1,86	0,63
1,6	3	2,97	0,66
1,8		2,87	0,69
2,0		2,77	0,73
2,2	4	3,88	0,78
2,4		3,78	0,83
2,6		3,68	0,89
2,8	5	4,78	0,96
3,0		4,68	1,05

Nozzles to be ordered seperately

15/12/2010

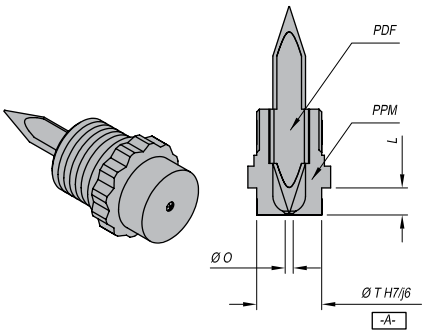
PID



Sprue Gate Tip

REF	"T" mm	"L" mm	"C" mm
PID10001	14	6,00	Std 9
PID10002	18	6,00	
PID10003	14	24,00	Std 27
PID10004	18	24,00	

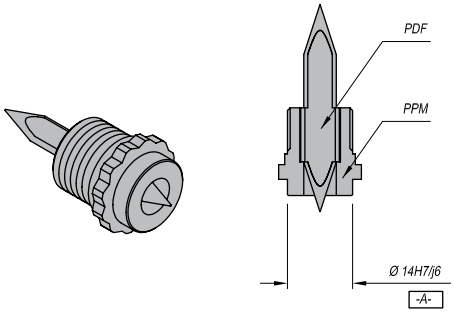
PMA



Ring Gate Tip

REF	Tip components		Material	"T" mm	"O" mm	"L" mm
	Tip insert	Retainer				
PMA10001	**PDF10702**	**PPM10601**	Standard (coated in Cr)	14	2,0	Std 6
PMA10002		**PPM10602**		14	2,5	
PMA10003		**PPM10603**		18	2,0	
PMA10004		**PPM10604**		18	2,5	
PMA10005		**PPM10605**		14	2,0	Ext 24
PMA10006		**PPM10606**		14	2,5	
PMA10007		**PPM10607**		18	2,0	
PMA10008		**PPM10608**		18	2,5	
PMA10009	**PDF10502**	**PPM10601**	High Performance	14	2,0	Std 6
PMA10010		**PPM10602**		14	2,5	
PMA10011		**PPM10603**		18	2,0	
PMA10012		**PPM10604**		18	2,5	
PMA10013		**PPM10605**		14	2,0	Ext 24
PMA10014		**PPM10606**		14	2,5	
PMA10015		**PPM10607**		18	2,0	
PMA10016		**PPM10608**		18	2,5	
PMA10101	**PDF10602**	**PPM10601**	Abrasion Resistant	14	2,0	Std 6
PMA10102		**PPM10602**		14	2,5	
PMA10103		**PPM10603**		18	2,0	
PMA10104		**PPM10604**		18	2,5	
PMA10105		**PPM10605**		14	2,0	Ext 24
PMA10106		**PPM10606**		14	2,5	
PMA10107		**PPM10607**		18	2,0	
PMA10108		**PPM10608**		18	2,5	
PMA10109	**PDF10802**	**PPM10601**	Standard (coated in Ni)	14	2,0	Std 6
PMA10110		**PPM10602**		14	2,5	
PMA10111		**PPM10603**		18	2,0	
PMA10112		**PPM10604**		18	2,5	
PMA10113		**PPM10605**		14	2,0	Ext 24
PMA10114		**PPM10606**		14	2,5	
PMA10115		**PPM10607**		18	2,0	
PMA10116		**PPM10608**		18	2,5	

PVM



Point Gate Tip

REF	Components		
	Tip Insert	Retainer	Material
PVM10001	**PDF10702**	**PPM10609**	Standard (coated in Cr)
PVM10002	**PDF10502**	**PPM10609**	High Performance
PVM10008	**PDF10602**	**PPM10609**	Abrasion Resistant
PVM10009	**PDF10802**	**PPM10609**	Standard (coated in Ni)

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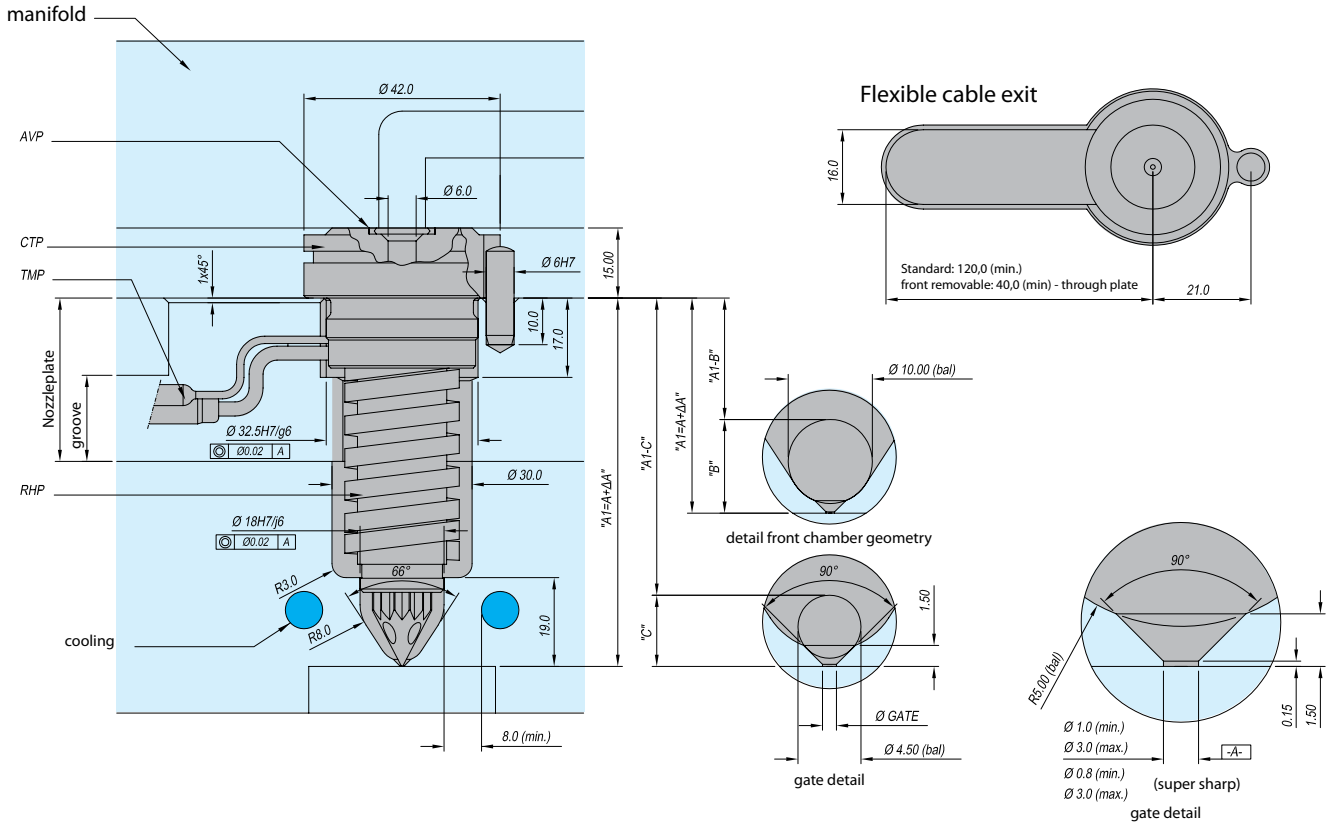
Hot-One Nozzle

PHC-HTP

Heater options	
Standard type	Front removable type F



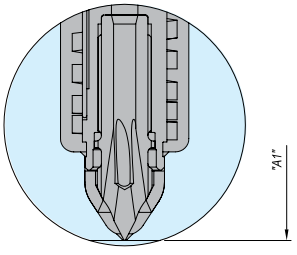
		Nozzle specification + components							
				Components					
		REF	"A" mm	Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Thermo-couple	Seal ring
Heater options	Standard Type	PHC-HTP06065	65,00	CTP06065	RHP06036	JCT06051	260W	TMP01080	AVP06016 (Option)
		PHC-HTP06077	77,50	CTP06077	RHP06049	JCT06051	350W	TMP01100	
		PHC-HTP06090	90,00	CTP06090	RHP06062	JCT06051	400W	TMP01120	
		PHC-HTP06102	102,50	CTP06102	RHP06075	JCT06051	460W	TMP01140	
		PHC-HTP06115	115,00	CTP06115	RHP06087	JCT06101	460W	TMP01160	
		PHC-HTP06140	140,00	CTP06140	RHP06113	JCT06101	610W	TMP01180	
		PHC-HTP06165	165,00	CTP06165	RHP06138	JCT06101	610W	TMP01200	
	Front removable Type F	PHC-HTP06065F	65,00	CTP06065F	RHP06036F	JCT06051	260W	TMP01080	
		PHC-HTP06077F	77,50	CTP06077F	RHP06049F	JCT06051	350W	TMP01100	
		PHC-HTP06090F	90,00	CTP06090F	RHP06062F	JCT06051	400W	TMP01120	
		PHC-HTP06102F	102,50	CTP06102F	RHP06075F	JCT06051	460W	TMP01140	
		PHC-HTP06115F	115,00	CTP06115F	RHP06087F	JCT06101	460W	TMP01160	
		PHC-HTP06140F	140,00	CTP06140F	RHP06113F	JCT06101	610W	TMP01180	
		PHC-HTP06165F	165,00	CTP06165F	RHP06138F	JCT06101	610W	TMP01200	

Nozzles to be ordered seperately

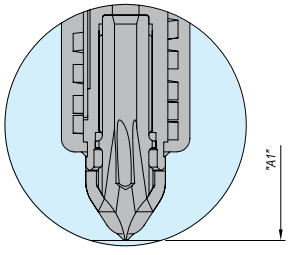
Ø Gate mm	"B" mm	"C" mm
0,8	11,18	5,18
1,0	11,15	5,08
1,2	11,10	4,98
1,4	11,06	4,88
1,6	11,01	4,78
1,8	10,97	4,68
2,0	10,91	4,58
2,2	10,86	4,48
2,4	10,80	4,38
2,6	10,74	4,28
2,8	10,68	4,18
3,0	10,61	4,08

Tip options - ☛ p36

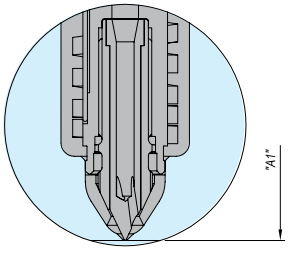
Standard tip **PVM**



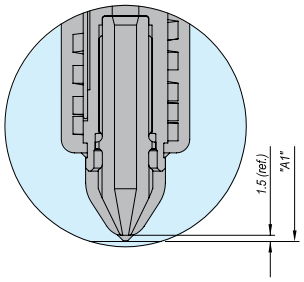
Super sharp tip **PVM**



Abrasion resistant tip **PVM**



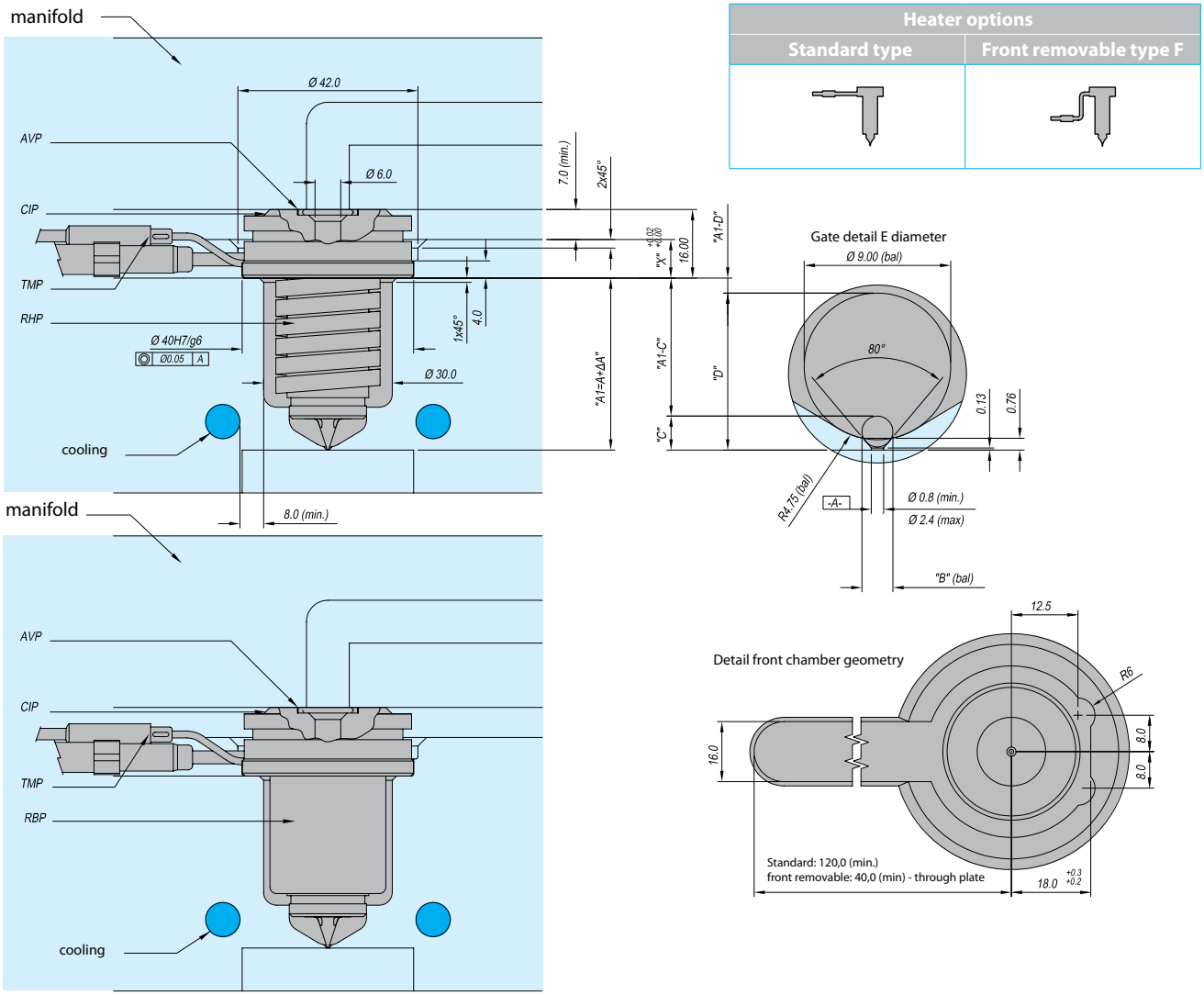
Thru hole tip **PVM**



15/12/2010

PHC-HIP / PHC-BIP

Hot-One Nozzle



Heater options	
Standard type	Front removable type F

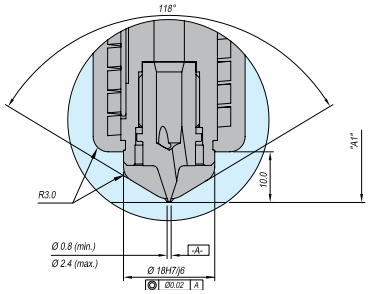
Nozzle specification + components								
				Components				
		REF	"A" mm	Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Thermo-couple	Seal ring
Heater options	Standard Type	PHC-HIP06035	35,00	CIP06035	RHP06029	JCT06030	215W	TMP01080	AVP06016
		PHC-BIP06035	35,00	CIP06035	RHP06030		260W	TMP01080	
	Front removable Type F	PHC-HIP06035F	35,00	CIP06035	RHP06029F	JCT06030	215W	TMP01080	
		PHC-BIP06035F	35,00	CIP06035	RHP06030F		260W	TMP01080	

Nozzles to be ordered seperately

Ø Gate mm	"B" mm	"C" mm	"D" mm
0,8	2,00	2,21	9,66
1,0		2,09	9,64
1,2		1,97	9,62
1,4	3,00	3,13	9,59
1,6		3,01	9,56
1,8		2,89	9,53
2,0	4,00	4,05	9,49
2,2		3,93	9,45
2,4		3,81	9,41

Gating detail - ☛ p36

Mini tip **PVM**

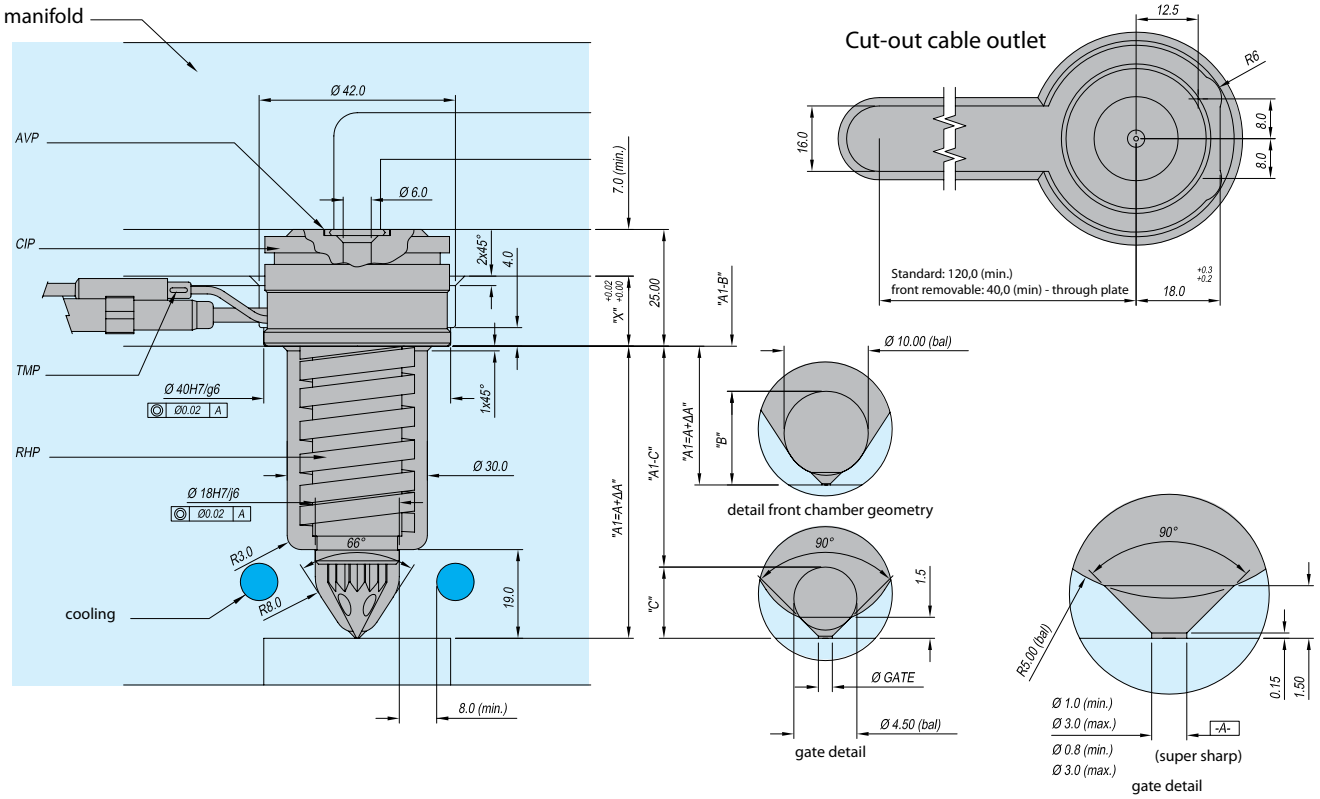


15/12/2010

Hot-One Nozzle

PHC-HIP

Heater options	
Standard type	Front removable type F

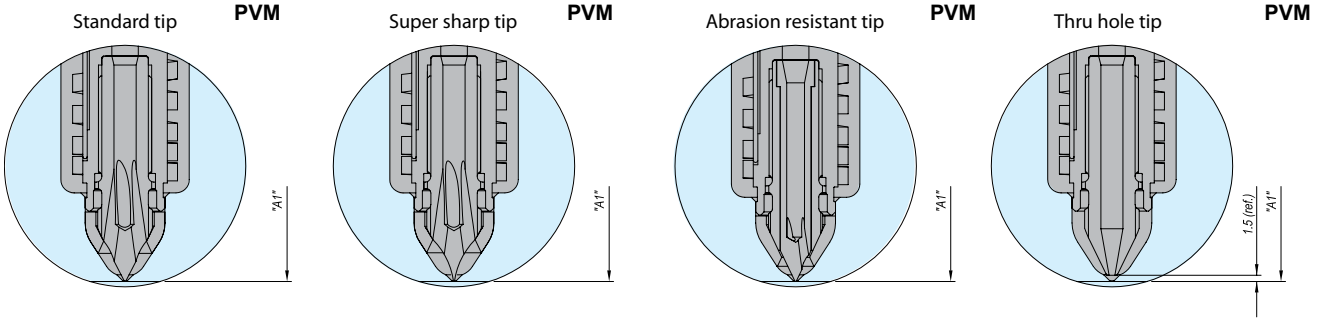


Heater options		Nozzle specification + components							
		REF	"A" mm	Components: Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Thermo-couple	Seal ring
	Standard Type	PHC-HIP06050	50,00	CIP06050	RHP06036	260W	JCT06051	TMP01080	AVP06016
		PHC-HIP06062	62,50	CIP06062	RHP06049	350W	JCT06051	TMP01100	
		PHC-HIP06075	75,00	CIP06075	RHP06062	400W	JCT06051	TMP01120	
		PHC-HIP06087	87,50	CIP06087	RHP06075	460W	JCT06051	TMP01140	
		PHC-HIP06100	100,00	CIP06100	RHP06087	460W	JCT06101	TMP01160	
		PHC-HIP06125	125,00	CIP06125	RHP06113	610W	JCT06101	TMP01180	
		PHC-HIP06150	150,00	CIP06150	RHP06138	610W	JCT06101	TMP01200	
	Front removable Type F	PHC-HIP06050F	50,00	CIP06050F	RHP06036F	260W	JCT06051	TMP01080	
		PHC-HIP06062F	62,50	CIP06062F	RHP06049F	350W	JCT06051	TMP01100	
		PHC-HIP06075F	75,00	CIP06075F	RHP06062F	400W	JCT06051	TMP01120	
		PHC-HIP06087F	87,50	CIP06087F	RHP06075F	460W	JCT06051	TMP01140	
		PHC-HIP06100F	100,00	CIP06100F	RHP06087F	460W	JCT06101	TMP01160	
		PHC-HIP06125F	125,00	CIP06125F	RHP06113F	610W	JCT06101	TMP01180	
		PHC-HIP06150F	150,00	CIP06150F	RHP06138F	610W	JCT06101	TMP01200	

Nozzles to be ordered seperately

Ø Gate mm	"B" mm	"C" mm
0,8	11,18	5,18
1,0	11,15	5,08
1,2	11,10	4,98
1,4	11,06	4,88
1,6	11,01	4,78
1,8	10,97	4,68
2,0	10,91	4,58
2,2	10,86	4,48
2,4	10,80	4,38
2,6	10,74	4,28
2,8	10,68	4,18
3,0	10,61	4,08

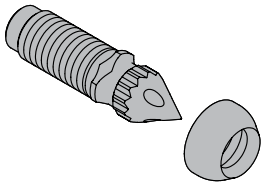
Tip options - ☛ p36

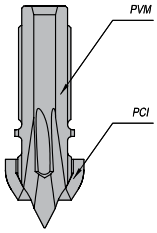


15/12/2010

PVM

Standard tip

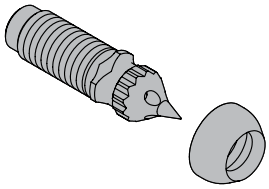


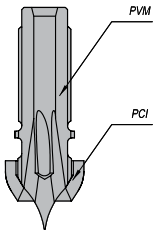


REF	Insulator
PVM06003	**PCI06001**

PVM

Super sharp tip

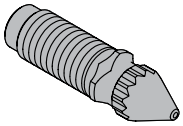


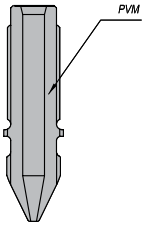


REF	Insulator
PVM06004	**PCI06002**

PVM

Tru hole tip

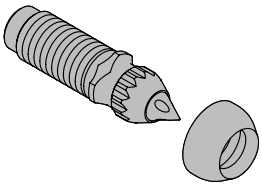


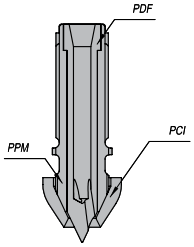


REF
PVM06005

PVM

Abrasion resistant tip

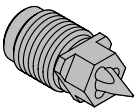


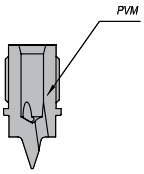


REF	Components		
	Tip Insert	Retainer	Material
PVM06007	**PDF06503**	**PPM06610**	**PCI06003**

PVM

Mini tip for PHC-HIP/BIP06035(F) only





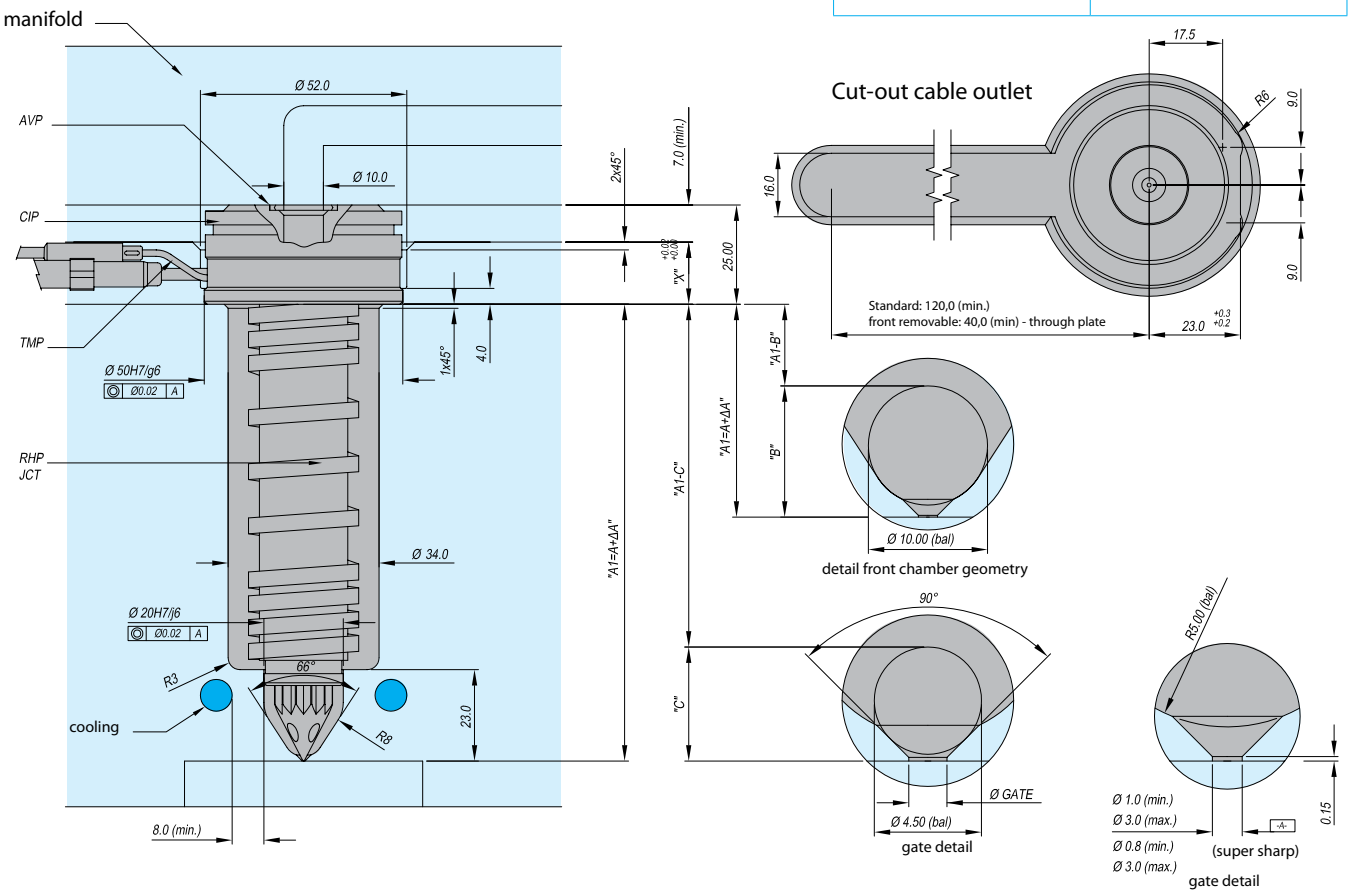
REF
PVM06006

05/02/2008

Hot-One Nozzle

PHC-HIP

Heater options	
Standard type	Front removable type F



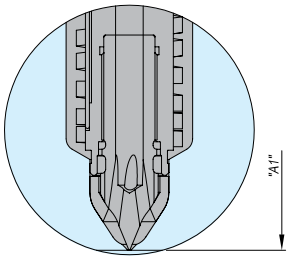
Heater options		Nozzle specification + components						
		REF	"A" mm	Components: Nozzle body	Heater	Sleeve	Wattage @ 230 VAC	Thermo-couple	Seal ring
Standard Type		PHC-HIP10075	75,00	CIP10075	RHP10054	400W	JCT10050	TMP01100	AVP06016
		PHC-HIP10087	87,50	CIP10087	RHP10067	400W	JCT10050	TMP01100	
		PHC-HIP10100	100,00	CIP10100	RHP10080	500W	JCT10050	TMP01120	
		PHC-HIP10112	112,50	CIP10112	RHP10092	690W	JCT10050	TMP01140	
		PHC-HIP10137	137,50	CIP10137	RHP10130	760W	JCT10100	TMP01160	
		PHC-HIP10162	162,50	CIP10162	RHP10156	760W	JCT10100	TMP01180	
		PHC-HIP10187	187,50	CIP10187	RHP10181	850W	JCT10100	TMP01200	
Front removable Type F		PHC-HIP10075F	75,00	CIP10075F	RHP10054F	400W	JCT10050	TMP01100	
		PHC-HIP10087F	87,50	CIP10087F	RHP10067F	400W	JCT10050	TMP01100	
		PHC-HIP10100F	100,00	CIP10100F	RHP10080F	500W	JCT10050	TMP01120	
		PHC-HIP10112F	112,50	CIP10112F	RHP10092F	690W	JCT10050	TMP01140	
		PHC-HIP10137F	137,50	CIP10137F	RHP10130F	760W	JCT10100	TMP01160	
		PHC-HIP10162F	162,50	CIP10162F	RHP10156F	760W	JCT10100	TMP01180	
		PHC-HIP10187F	187,50	CIP10187F	RHP10181F	850W	JCT10100	TMP01200	

Nozzles to be ordered seperately

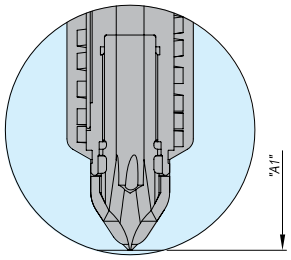
Ø Gate mm	"B" mm	"C" mm
0,8	11,18	5,18
1,0	11,15	5,08
1,2	11,10	4,98
1,4	11,06	4,88
1,6	11,01	4,78
1,8	10,97	4,68
2,0	10,91	4,58
2,2	10,86	4,48
2,4	10,80	4,38
2,6	10,74	4,28
2,8	10,68	4,18
3,0	10,61	4,08

Tip options - ☛ p38

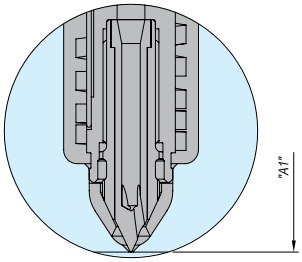
Standard tip **PVM**



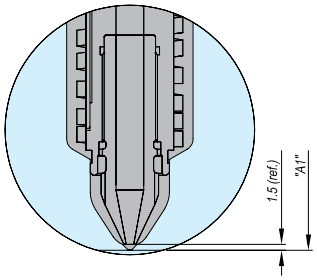
Super sharp tip **PVM**



Abrasion resistant tip **PVM**



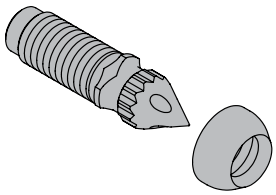
Thru hole tip **PVM**

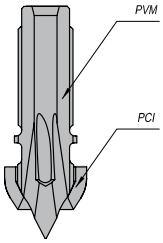


05/02/2008

PVM

Standard tip

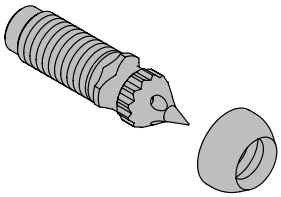


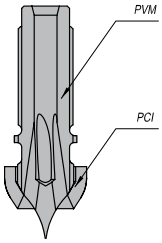


REF	Insulator
PVM10003	**PCI10001**

PVM

Super sharp tip

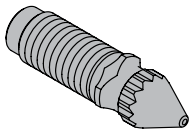


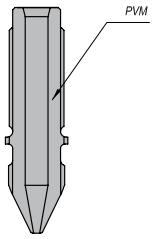


REF	Insulator
PVM10004	**PCI10002**

PVM

Tru hole tip

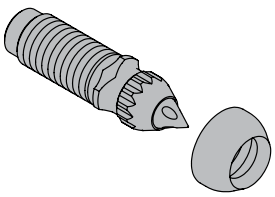


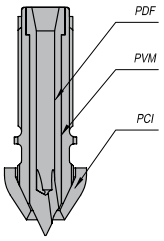


REF
PVM10005

PVM

Abrasion resistant tip





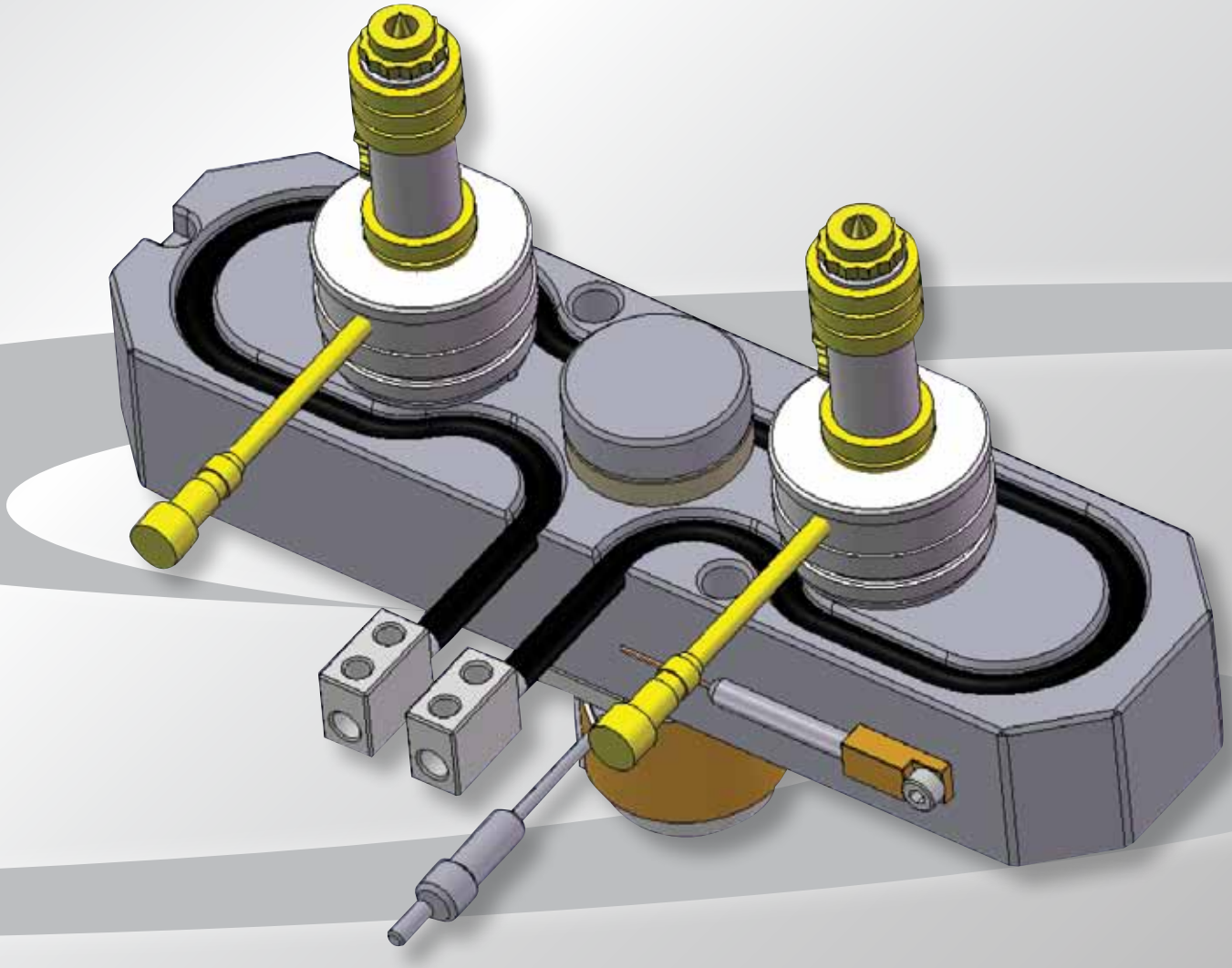
REF	Components		
	Tip Insert	Retainer	Material
PVM10006	**PDF10503**	**PPM10610**	**PCI00003**

05/02/2008

DME

EVERY STEP OF THE WAY

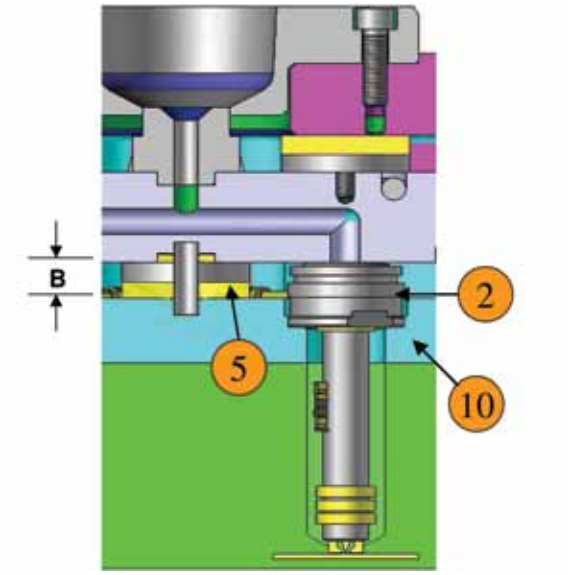
Installation Guidelines hot runner system



15/12/2010

www.dmeeu.com

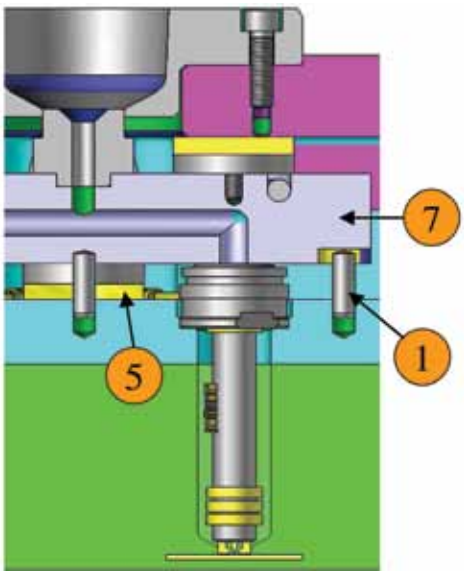
Step 1



Inserting the nozzle(s

- Insert the nozzle(s) (2) without seal ring in seat(s).
- Measure the distance "B" between the top of nozzle and the nozzle retainer plate (10). The maximum allowed difference between the nozzles is ± 0,01 mm.
- Adjust the steel part of the central support block (5) to a dimension between (B+2.0) - 0,03 mm and (B+2.0) - 0,05 mm for the central support assembly (steel + titanium).

Step 2



Placing the dowel pins

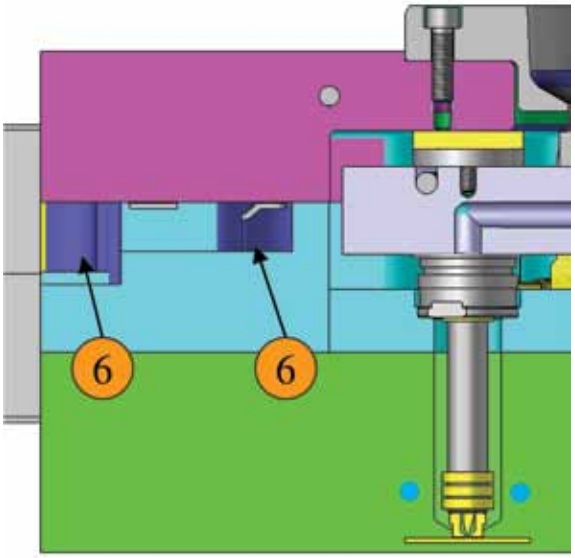
- Place the dowel pins (1). Attention: Manifold should not rest on the dowel pins.
- Place the central support block (5).
- Position the Hot-One manifold block (7) by centering it on the dowel pins (1) and support block (5).

15/12/2010

Wiring

Step 3

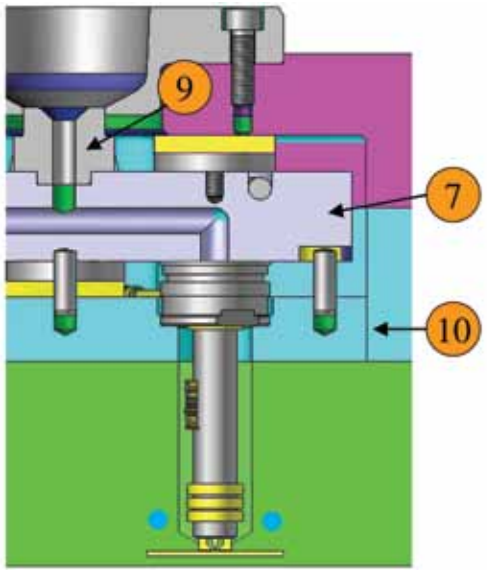
- Check if the wiring is mounted in the wiring channels (6).



Fastening the Hot-One manifold block

Step 4

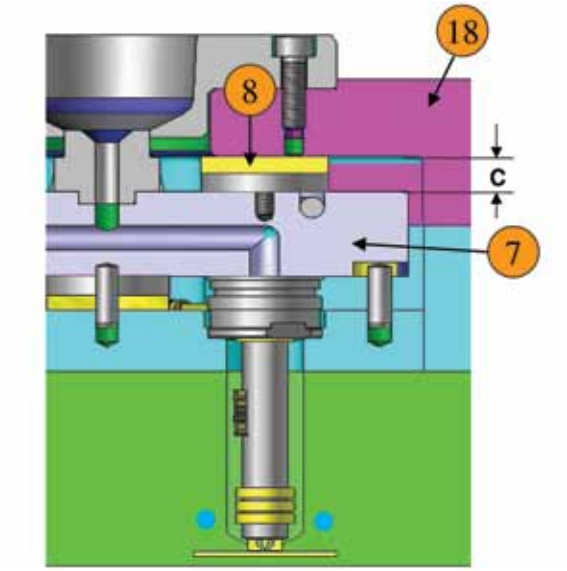
- Fasten the Hot-One manifold block (7) on the nozzle retainer plate (10) with bolts (apply torque according design).
- Check if the Hot-One manifold block (7) is parallel to the nozzle retainer plate (10). The maximum allowed tolerance is 0,02 mm.



15/12/2010

Step 5

Adjusting the upper support block(s)

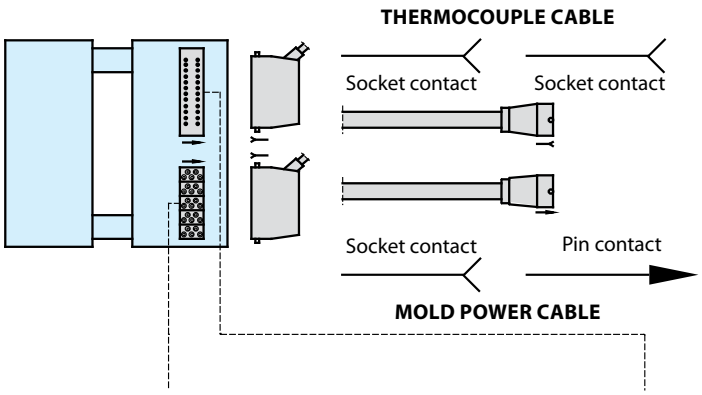


- Measure the distance "C" between the top of the Hot-One manifold block (7) and the face of top clamping plate (18).
- Adjust the steel part of the upper support assembly block(s) (8) to a dimension between C - 0,02mm or C - 0,05 mm,.
- Secure the upper support block(s) (8) with the appropriate bolts.
- Remove the manifold block and place the seal ring in the nozzle(s), if required / present by the type of nozzle.

Step 6

Connecting the heater

1. Power wires can only be extended with crimp connectors (HWCC-1,2 and 5) and power wires of the same cross-section area (total length max. 8 m).
2. Fe-Co thermocouple wires can only be extended with Fe-Co wires. With the exception of the polarity of the extension cable (US standards: red = negative, white = positive; European standards: red = positive, blue = negative). One must take care that the thermocouple wires are in good contact with the cable joint.
3. Mold power input connector (PIC-24-G and PICH-23-G) and terminal mounting box (PTCX, PICX, PICH, PTC) must be connected with the protective conductor to the mold.
4. Wiring has to be made according to the wiring diagram. Take care that wiring is correct to the position of the modules.
5. Use Ohm-meter to check each heater for proper function prior to starting the ***DME*** Hot Runnerless System.



TC WIRING CODE

DIN	+ red/ - blue
USA	+ white / - red
EUROPE	+ black / - white

Mold power input connector

	REF.	PIC-24-G
	Zone	Contr. No.
	1	A1, A2
	2	A3, A4
	3	B1, B2
	4	B3, B4
5-zone MF	5	A5, B5
	.....	
	6	C1, C2
	7	C3, C4
8-zone MF	8	D1, D2
	.....	
	9	D3, D4
	10	C5, D5
	11	E1, E2
12-zone MF	12	E3, E4

Thermocouple connector

REF. MTC-5-G		REF. MTC-8-G		REF. MTC-12-G	
Zone	Contr. No.	Zone	Contr. No.	Zone	Contr. No.
	+ –		+ –		+ –
1	1, 6	1	1, 9	1	1, 13
2	2, 7	2	2, 10	2	2, 14
3	3, 8	3	3, 11	3	3, 15
4	4, 9	4	4, 12	4	4, 16
5	5,10	5	5, 13	5	5, 17
		6	6, 14	6	6, 18
		7	7, 15	7	7, 19
		8	8, 16	8	8, 20
				9	9, 21
				10	10, 22
				11	11, 23
				12	12, 24

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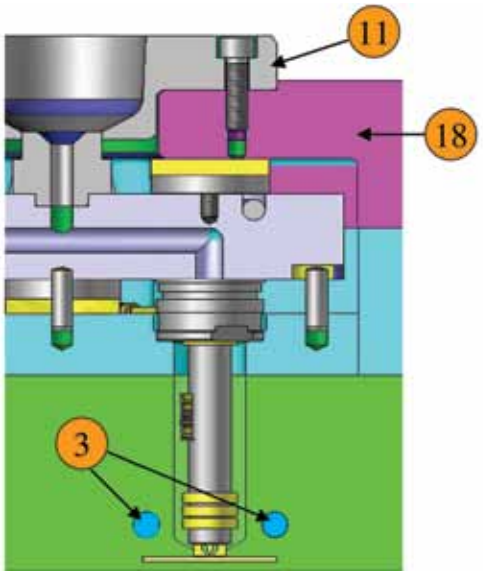
Checking the system

Step 7

- Connect the heater wires to the connector(s) according the electrical diagram.
- Check the system on electrical faults (resistance, insulation, TC).
- Position the top clamping plate (18) and secure it with the appropriate bolts.
- Place locating ring (11) and fasten it with the appropriate bolts.
- Make sure that the nozzle cooling (3) is sufficient.



Tips

Info

- To ensure all nozzles are mounted correctly, mark all nozzle heads with a thick marker (type Edding) before mounting. Then let the manifold slide carefully over the nozzles. If you then remove the manifold once more, you should see uniform nozzle impressions from all nozzles. If not, check the accuracy of the nozzle pockets.
- All dimensions marked with * in these installation instructions are depending on the thickness of the manifold and the final operational temperature of the system. In case of doubt, contact your field engineer or dial the number of our Technical Support: dmeeu_appl_eng@dmeeu.com

15/12/2010

Questionnaire

Name: .....

Date: ..... Inquiry Number: .....

Customer data

Name: ..... E-mail: .....

Address: ..... REF. Nr.: .....

Contact: ..... Project name: .....

Phone: ..... End user: .....

Part data

Part name: ..... Material: .....

Dimensions: ..... Material brand name: .....

Thickness: ..... Filled type e %: .....

Weight: ..... Melt flow index: .....

Number of cavities: ..... Transparant: .....

Opaque: .....

Hot runner system data

Standard manifold: ..... Number of nozzles: .....

Non-standard manifold: ..... Shot weight per nozzle: .....

Manifold with nozzle type: ..... Heated adapter requested: .....

Nozzle lengths: ..... Radius on the adapter: .....

Nozzle REFS: ..... Colour changing requested: .....

Hot runner system geometry sketch

Injection point data

Injection on part: ..... Gate vestige important: .....

Injection on cold runner: ..... Maximum height gate: .....

In case of order, drawings: ☐ 2D.dxf ☐ 3D.igs ☐ 3D.stp

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15/12/2010

DME WARRANTY CONDITIONS FOR HOT RUNNERS AND HOT HALVES

The rights of a purchaser of DME products are given in DME's general sales conditions.
For complete Hot Runner Systems (manifold with nozzles) and Hot Halves (Fixed half minus Cavity plate) the following addition conditions apply with extended warranty.

EXTENDED WARRANTY ON COMPLETE HOT RUNNERS AND HOT HALVES
DME guarantees that the construction, components and function of our hot runners will conform to the technical specifications subject to normal use and maintenance and assuming correct installation as per the DME instruction manual, for a limited period following delivery. If components do not conform to specifications or are defective, DME will replace the necessary components.

The length of warranty is as follows:
3 years:
For Hot Halves used with the latest model DME hot runner temperature controllers and with DME connectors
1 year:
For complete hot runners used with the latest model DME hot runner temperature controllers and with DME connectors

REPLACEMENT/REPAIR OF COMPONENTS
DME reserves the right, using new or repaired components, to self repair our hot runner systems and Hot Halves. The repair location will be determined by DME. Defective components will be replaced by new or repaired components of an equivalent quality/specification. The repair or replacement of defective components does not extend the length of the warranty period.
DME will inform the purchaser if components covered by the warranty need to be returned or disposed of.
If the purchaser, upon request from DME, cannot return the defective components for evaluation and the components therefore cannot be determined as faulty, DME reserves the right to charge for replacement components.
DME reserves the right to choose the transport method for sending replacement parts covered during the warranty period.
If it is determined the parts that are to be replaced are not covered by the warranty, the purchaser will be liable for the cost of these components.

LIMITATIONS
This warranty does not cover:

- Damage due to modification of the hot runner by the customer or third party, or other circumstances beyond DME's control.
- Damage due to incorrect use, installation, lack of maintenance, misuse or carelessness by the purchaser, his representatives or subcontractors.
- Damage to a system used with injection pressure above 2000bar if the system has not been specifically designed and constructed, in consultation with DME, for high pressure.
- Damage not occurring to the DME products themselves, other damage, personal injury, damage to property or damage or claims due to breakdowns or delays in production.
- Normal wear of components including, but not limited to, nozzle-tips, inserts, seals, o-rings, cylinder seals, injection needles.
- Damage due to corrosion or processing abrasive/aggressive plastic materials.
- Damage resulting from use of DME components modified by the customer or use of non-standard components.
- Claims or damage resulting from components or apparatus delivered by DME but not produced by DME. In such cases DME will make every effort to transfer the warranty offered by the manufacturer to the purchaser.
- Damage occurring to the purchaser through failing to respect relevant laws, regulations, guidelines or recommendations applying to the plastics industry.

The extended warranty assumes that the purchase price has been fully paid.

TRANSFER OF WARRANTY
The rights, arising from deficiencies, are only available to the original purchaser/user and are not transferrable. They cannot be claimed by others including, but not limited to, subsequent purchasers, users of the hot runner or their successors.

COMPLIANCE WITH SAFETY GUIDELINES AND EXEMPTION FROM LIABILITY
The buyer agrees to ensure that the hot runner is used and maintained according to the guidelines that are recommended by DME and customary laws.

The buyer takes over the liabilities the use of the hot runner brings with it and bears all risks associated with its use.
In no case will DME be responsible for requirements or costs associated with products that were made with the hot runner, nor for damages occurring as a result of their use.

GENERAL CONDITIONS OF SALE DME EUROPE

1. CONCLUSION OF CONTRACT - APPLICATION
The contract is validly entered into and the order is accepted after written confirmation by seller. These sales conditions apply to the exclusion of any other terms or conditions, unless expressly accepted in writing beforehand by the vendor.
Seller has 30 (thirty) days since the reception of the order to accept or to refuse it. During this period, buyer shall not withdraw his order.
Absence of any written confirmation of the order shall only be interpreted as being an implicit acceptance in case of performance of the order by seller.

2. PAYMENT
Unless otherwise agreed in writing, invoices are payable in the stated currency within 30 (thirty) days after invoice date to the-bank designated by seller. Transfer charges are for account of buyer.
If buyer does not pay within this term, seller shall automatically have ipso jure and without any prior formal notice, the right to charge legal interest plus 2 % from due date of the invoice. Moreover, in case of late payment, a fixed indemnity corresponding to 10 % of the payable amount shall automatically be due from the first day following the due date, without prejudice to seller's right to prove higher damage and ask for corresponding indemnity. Should payment be in foreign currency, seller has the right to adapt the foreign currency in case of depreciation-of this foreign currency in regard of the euro.
Should payment of the delivered goods be in instalments, the non-payment of one of the instalments gives seller the right to terminate the contract. The payments, which were done until then, shall remain property of seller as indemnity, without prejudice to the right to claim further damages or to the right to require the performance of the contract.
Payment of advance shall not give buyer the right to terminate the contract upon reimbursement of the paid advance, If payment is done by bill of exchange or check, payment is deemed satisfied only when the bill of exchange or the check is honoured.
Place of payment is always Mechelen even if payment is done with bill of exchange.

3. RETENTION OF TITLE
Delivered goods remain property of seller until full payment has been received by seller. The sale of an unpaid item by buyer to a third party results in automatic assignment of the debt due by the third party to buyer, inclusively the retention of title, to seller. Seller has then the authority to take any necessary means in order to validly assign towards the third party. Seller may retake unpaid goods at any time and he may inform any client and/or any subcontractor of buyer about the fact that seller is and remains the only owner of the concerned goods until full payment.
The purchaser undertakes to carefully keep the goods that have not been paid for, and undertakes not to pledge them or use them in any other way as a guarantee or security. The purchaser shall inform third parties who may apply any security rights over his assets (such as, but not limited to, the lessor of the premises occupied by the purchaser) that the products are and shall remain the property of the vendor until full payment of all sums owed by the purchaser to the vendor, and in the event of an attachment
or other measures taken by third parties that apply to products for which full payment has not yet been made the purchaser undertakes to immediately inform the vendor of this to enable him to apply his rights.

4. RISKS
Notwithstanding the preceding provisions, the risk transfers to buyer as soon as he has the goods at his disposal.

5. DISPATCHING OF INSIGNIFICANT VALUE
Each dispatch of less than € 50 will be increased with costs of payments and-may, at sellers option, be sent cash on delivery (COD).

6. PRICE OFFERS AND PRICE LISTS
Price offers and price lists are without obligation and are subject to change without any previous notice.
Any information released by seller is delivered in good faith and seller shall not be responsible for the choice of material and goods.

7. PRICE AND DISPATCHING
All prices are ex works. Transportation, duties and taxes for account of buyer, unless seller's previous and express written specification to the contrary. Seller shall send goods by the fastest and most economic way at the risks of buyer. Goods may be insured by seller at buyer's option, the insurance premiums are for buyer. Seller is not responsible for the choice of packing.

8. DELIVERY
Date of delivery is the date when the goods are ready for inspection at the indicated place. Place of origin is Mechelen, Belgium, or any other place indicated by seller. Seller is not responsible for any late delivery, except those delays due to his own fault or gross negligence.

9. RETURNING OF GOODS
No goods can be returned without seller's previous, express and written consent. If buyer commits an error in ordering, the retaking of goods is possible only for inventory standard items. Goods must be returned within 15 (fifteen) days after invoice date and all goods must be in original conditions,' all costs of transport are for buyer, as well as insurance and repacking costs. Special-order goods, marked or used items are non-returnable.

10. DEFECTS
Seller warrants defects in material and/or workmanship. Warranty is limited to the replacement or repair, at seller's option, of any merchandise found defective during 1 month. This warranty does not include defects due to buyer's fault or to abnormal use, bad maintenance, imperfect installation, buyer's inadequate repair, unforeseeable circumstances or in case changes were brought to material without previous and express written approval of seller.
Notice of conspicuous defects must be given to seller by registered letter sent within 10 (ten) working days following date of delivery.
Notice of hidden defects must be given to seller by registered letter with in 10 (ten) working days after date of discovery, and in any case, within a 10-month term following date of delivery.
Seller is not responsible for any damage and in particular salary and material costs, losses, loss of profit or loss of a chance incurred by buyer, unless it is demonstrated that defect is due to seller's gross or intentional fault. If seller is responsible for defect, seller has the right either to terminate the contract and to pay back all the invoiced prices or to replace the delivered product within a reasonable term. If goods for repair must be transported, costs and risks of this transport are for buyer.
In case seller is responsible for any damage, this will be limited to the foreseeable damage with a maximum amount corresponding to the amount of the product's invoiced price.
Should a third party lodge a claim against seller to obtain payment of an indemnity for a damage for which seller is not responsible in accordance with the present conditions or for a higher amount than the one seller is responsible for, buyer will warrant seller against those claims.

11. DESCRIPTION
Only product descriptions used in seller's latest literature and correspondence with buyer, are binding for description of goods.
Buyer is responsible for using items in conformity with all regulations, including but not limited to, the safety regulations in force at the place of use.

12. SPECIFIC ORDERS
For the performance of a special work, the project signed by buyer is binding to the extent it has been accepted by seller.
For the performance of such work, special conditions may be required. In case of any inconsistency between general conditions and special conditions, the special conditions shall apply. Should special conditions be unclear, they shall be interpreted in light of the general conditions.

13. ACT OF GOD
Seller shall not pay any damage for non-performance or late performance of his undertakings due to Act of God. Act of God includes in particular and without being limited thereto, strike, lock-out, and the non-performance by seller's suppliers of their undertakings.

14. VALIDITY AND INDIVIDUAL CLAUSES
If one or more provisions of these present general conditions are held to be invalid, the remaining provisions will continue to be valid and enforceable, and parties will agree upon other provisions having an economic effect that corresponds closest to the economic effect of the invalid provision(s).

15. WAIVER
In case seller does not exercise one of his rights in accordance with the present conditions, this shall not be interpreted as a waiver of these rights.
16. APPLICABLE LAW – COMPETENT COURTS
This sales contract will be governed by Belgian law. The competent court is the Commercial Court of Mechelen, without prejudice to seller's right to introduce the case before another competent court.

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