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Hot Runner Systems
熱流道系統

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Simple Solution



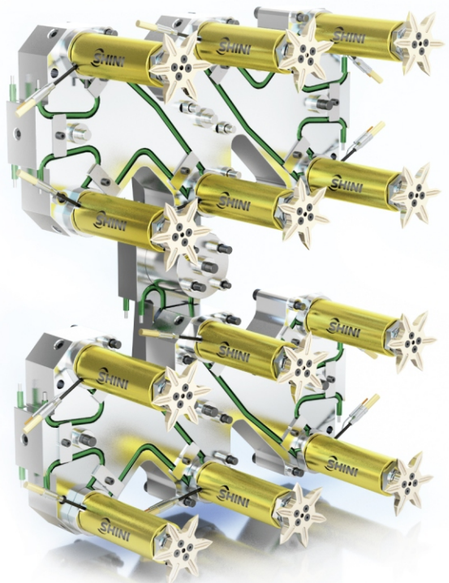
東莞信舟熱流道系統有限公司成立於2012年11月，為信易集團關係企業，專業從事熱流道系統，溫控箱，時序控制器及各種電熱組件的研發，製造及銷售工作. 配備一流的人才，高端的機器，精密檢測設備及完善的制度.

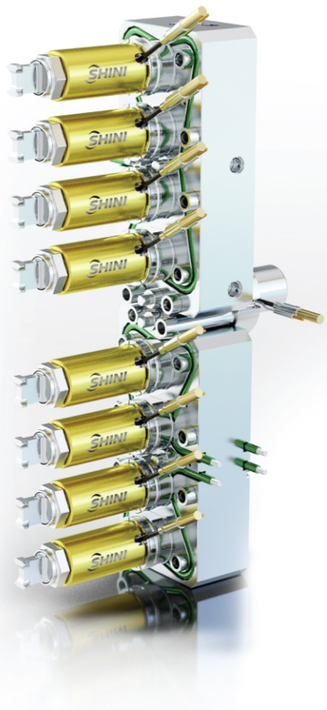
信舟熱流道不僅提供種類廣泛的標準件產品，還可以按照客戶要求全面定制熱流道系統。信舟熱流道系統廣泛應用於電子電器，汽車，電子，醫療，包裝，日用品等行業。信舟熱流道在中國東莞設有工廠，服務網點遍佈全國各地，其中溫控箱產品已經銷售至全球多個國家和地區，並且得到了市場的認可，為信舟熱流道贏得了信譽。

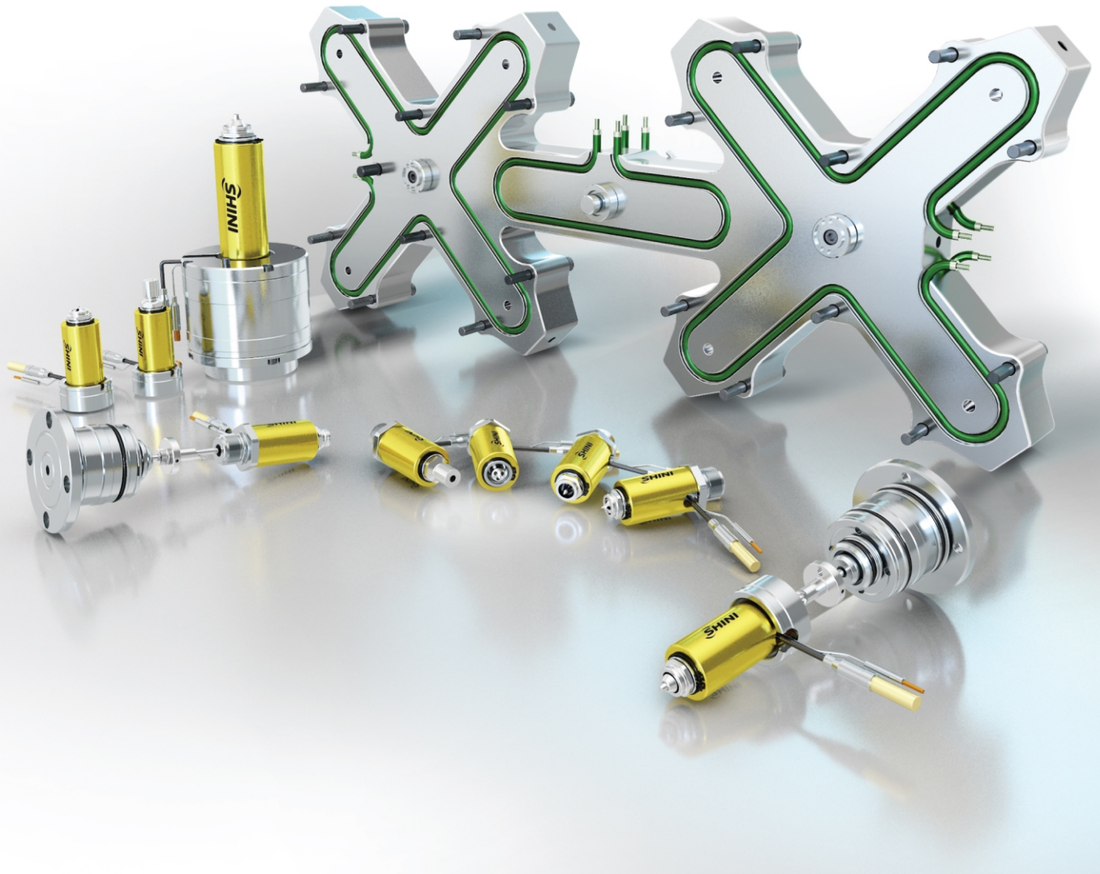
Shinzo Hot Runner System, Inc. was established in November, 2012 that affiliated to the Shini Group. It is mainly engaged in researching, developing, producing and selling of the hot runner system, temperature controller, timing controller and various heater components, which employs the first-class talents, high-end machines, accurate detection equipment and excellent equipment.

Shinzo can not only provide various kinds of standard products, but also customize the hot runner system as requirement, which has factory in Dongguan, China, with after-sales service network across the whole country. The hot runner systems are widely used in electronics, automobile, medicine, packaging, commodities and other industries. Moreover, its product of temperature controller has been sold to countries and regions around the world and is well received by the market, which wins good reputation for Shinzo.









信舟熱流道系統優點

- 我們的閥針設計考慮了分流板等的膨脹，在注塑過程中不受影響，高端的機器保證了加工閥針的精度達到工作時的穩定性
- 在設計時我們充分考慮了熱流道在生產中的工作特點，我們的成品在閥針端部設計有回料槽把冷料帶回熱咀，提高了澆口的品質。
- 熱咀與分流板配合面我司標準不使用密封件，熱咀掛臺高度控制在0.02mm公差範圍內。
- 我們不僅提供熱流道系統相關的平面加工圖，還提供三維加工圖，充分考慮了用戶的立場，以保證客戶的利益。
- 我們的系統由溫度平衡和壓力平衡來達到整體流動平衡。
- 分流板內部設計無死角。
- 我們採用進口特殊鋼材製作，經過反覆試驗，達到最佳熱平衡。發熱管均勻分佈在澆口周圍，使熱流道系統整體溫度差異很小，有效避免局部過熱現象。
- 分流板採用上下雙層加熱管設計，保證各種塑膠產品專案的應用。發熱管上方嵌裝銅合金，減少熱量損失，使其發熱更穩定，傳熱更均勻。
- 綜合模流分析結果而設計合理的流道，這樣保證填充的平衡性。
- 配置智能化溫度控制器，控溫更精確。

Advantages of Shinzo Hot Runner System

- Our valve pins are able to prevent parts like manifold block from inflation, and they would not be affected even in the injection process. High-end processing machines ensure the high accuracy of valve pin, so the stability of the work can also be ensured.
- We have fully considered the operation characteristics of hot runner, thus we put a material-returning tank on the front end of valve pin. The tank brings cool materials back to nozzle, so the quality of gate gets improved.
- Using no sealing component on the fitting surface of nozzle and manifold block, so the common difference of the length of nozzle heads will not exceed 0.02mm.
- We provide both horizontal and three-dimensional operation diagram of hot runner system, so as to promote the interests of customers.
- Our system reaches the integral flowing balance through temperature and pressure balance.
- Parts inside the manifold block are all well designed.
- Our system is made of special imported steels, and it reaches optimum heat balance after repeated tests. Besides, there are well-distributed heating pipes around the gate, so the temperature difference inside the hot runner system is tiny and overheat of some parts can be avoided.
- Manifold block is composed of double-layered heating pipe to ensure full application of various plastic products. The heating pipe is made of copper alloy, which is able to save heat. Hence, the pipe performs better in heating and heat transfer.
- We design the runner according to the analysis on mold flow, so as to ensure the filling balance.
- The system is equipped with smart temperature controller, which makes temperature control more accurate.



一出六十四開放式系統
1 to 64 open system

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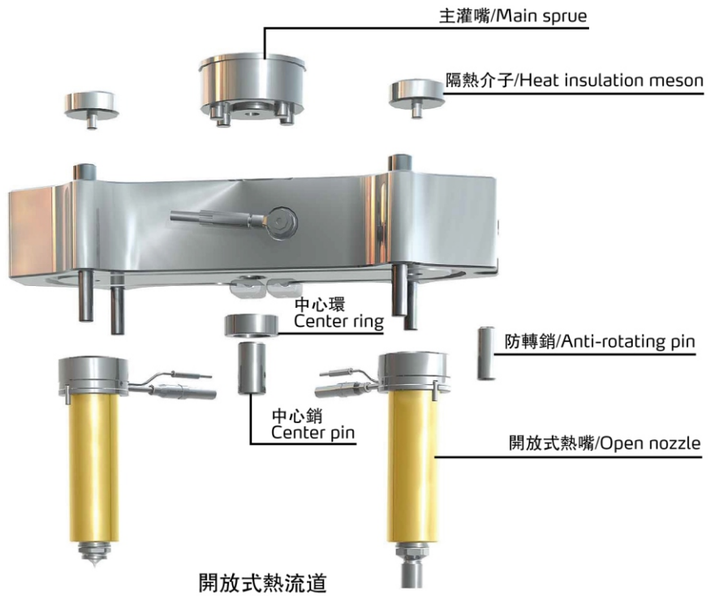
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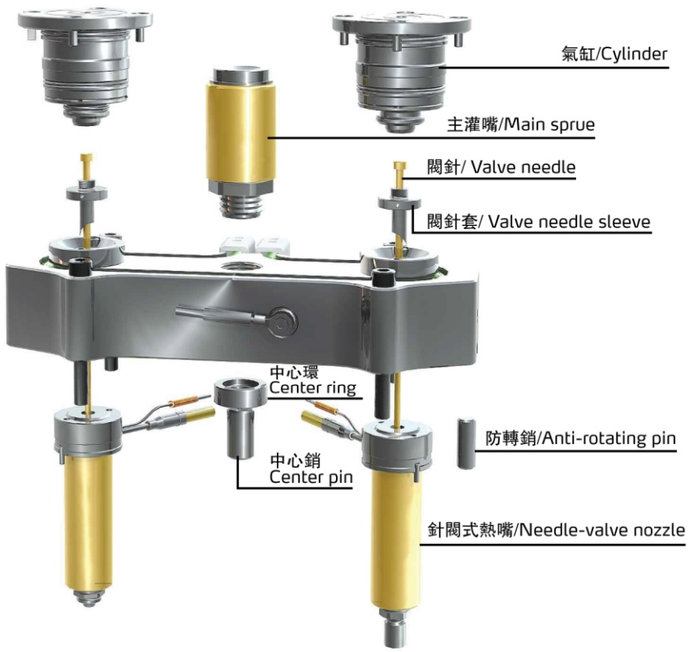
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Accessories of hot runner
熱流道裝配圖



開放式熱流道
Open hot runner



針閥式熱流道
Needle-valve hot runner

Plastic Material Guide
材料適用性

SHINI

	名稱 Name / 材料 Material	烘料溫度 Drying Temperature (°C)	烘料時間 Drying Drying Time (h)	成型溫度 Shaping Temperature (°C)	模具溫度 Mold Temperature (°C)	成型壓力 Molding Pressure (Kg/cm²)	縮水率 Shrinkage Rate (%)	塑料比重 Percentage (g/cm³)	軟化溫度 Softening Temperature (°C)	粘度 Viscosity (HML)
結晶性材料/Crystallizing Material	PP	--	--	250	35	700/1400	1.0/2.5	0.91	165	L
	PE	--	--	250	25	500/1200	1.5/3.5	0.92/0.96	140	L
	PBT	120	4	265	60	560/1800	1.5/2.0	1.31/1.38	225	H
	PET	75/90	3-4	285	140	1000/1700	1.0/2.0	1.37	245	H
	POM	30	2	200	100	800/1700	0.4/3.5	1.41/1.42	180	M
	PA	70/80	8-15	250-285	60-90	700/1200	0.3/0.5	1.03/1.38	175/255	M
	PPS	150/170	4	330	110	750/1500	0.7	1.34	290	H
	LCP	150/160	4	310	125	140/400	0.1/1.0	1.4/1.9	230	H
非結晶性材料/Non- crystallizing Material	PS	--	--	225	45	700/2100	0.4/0.7	1.05	100	L
	ABS	70/80	2	235	75	550/1755	0.4/0.9	1.03/1.06	110	M
	PPO	80/120	2	300	80	1000/1400	0.5/0.7	1.06/1.10	120	H
	PC	120	4-6	280	90	800/1400	0.5/0.7	1.19/1.20	220	H
	SAN	85	2-4	235	80	700/2300	0.2/0.7	1.07/1.10	115	M
	PEI	150	4	370	100	800/2000	0.5/0.7	1.27/1.42	215	H
	PVC	--	--	165-185	35	560/1750	0.1/0.5	1.16/1.58	100	H
	PMMA	70/100	2-6	250	70	400/1400	0.1/0.6	1.17/1.20	100	M

注：以上數據僅作爲參考
Note: the above data is just for reference

Gate Type
澆口類型

材料 Material / 咀型 Nozzle Type		OA	OB	OC	OD	VA	VB	VC
結晶性材料/Crystallizing Material	PP	●	●	●	●	●	●	●
	PE	●	●	●	●	●	●	●
	PBT	◐	◐	◐	◐	◐	◐	◐
	PET	◐	○	◐	◐	◐	◐	◐
	POM	◐	◐	◐	◐	◐	◐	◐
	PA	◐	○	◐	◐	●	●	◐
	PPS	◐	◐	◐	◐	◐	◐	◐
	LCP	○	◐	○	◐	○	◐	○
非結晶性材料/Non- crystallizing Material	PS	●	●	●	●	●	●	◐
	ABS	●	●	●	●	●	●	◐
	PPO	◐	◐	◐	◐	◐	◐	◐
	PC	◐	◐	◐	◐	◐	◐	◐
	SAN	◐	●	●	●	●	●	●
	PEI	◐	◐	○	◐	◐	◐	○
	PVC	○	◐	◐	◐	◐	●	◐
	PMMA	◐	◐	◐	◐	◐	●	◐
添加劑/Additive	FR	◐	◐	◐	◐	◐	◐	◐
	GF	◐	◐	◐	◐	◐	◐	◐
	ST	◐	◐	◐	◐	◐	◐	◐

* LEGEND : Excellent(好) ● , Acceptable(可接受)◐, Technology Assessment (技術評估)○.

Gate Method And Application Advantages
澆口優點及應用

SHINI

OA
- 適用于通用樹脂、工程樹脂和含玻纖樹脂/Applicable to general resin, engineering resin and resin with glass fiber
- 澆口痕迹小/Slight gate marks
- 咀芯可更換/Nozzle cores are replaceable
- 需添加樹脂帽才能達到換色效果/Resin cap is needed to change color
- 應用於電子、包裝領域/Applied in the fields of electronics and packaging

OB
- 適用於通用樹脂、工程樹脂和含玻纖樹脂/Applicable to general resin, engineering resin and resin with glass fiber
- 設置在潛伏澆口流道上/Be set on the submarine gate runner
- 作用在產品面上會帶有一圈印子/Leave a circle of marks on the surface of products
- 可換色/Other colors are optional
- 應用於電子、汽車、醫療、包裝領域/Applied in the fields of electronics, automobile, medicine and packaging

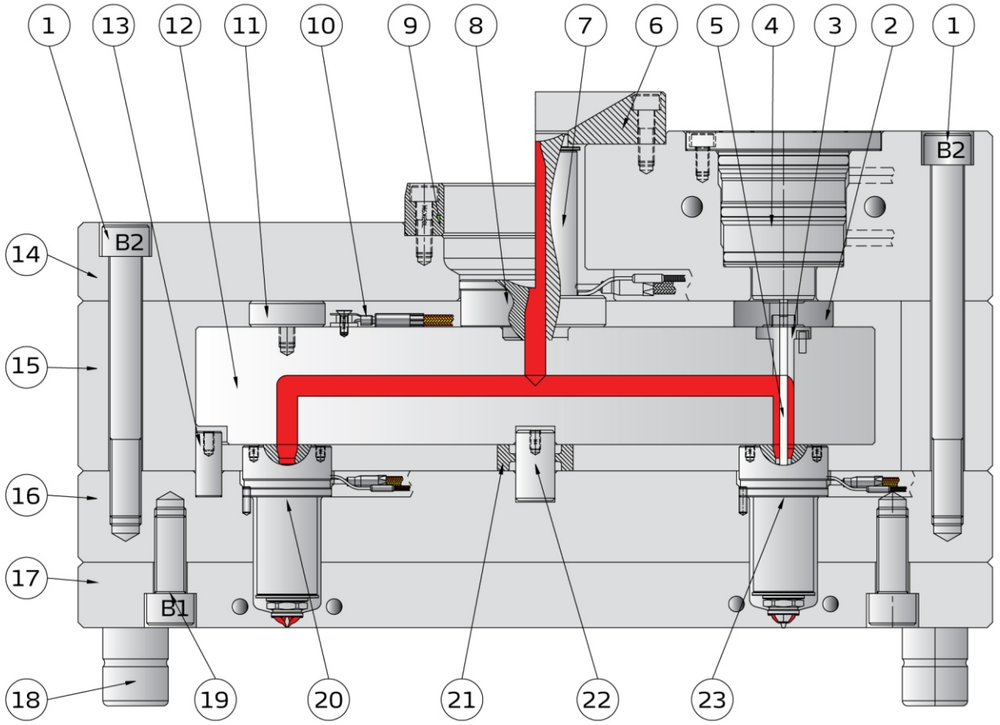
OC
- 適用於通用樹脂、工程樹脂和含玻纖樹脂/Applicable to general resin, engineering resin and resin with glass fiber
- 設置在潛伏澆口流道上/Be set on the submarine gate runner
- 可防流涎、拉絲/Prevent jetting and drawing
- 可換色/Other colors are optional
- 應用於電子、汽車、醫療、包裝領域/Applied in the fields of electronics, automobile, medicine and packaging

OD
- 適用於通用樹脂、工程樹脂和含玻纖樹脂/Applicable to general resin, engineering resin and resin with glass fiber
- 澆口痕跡小/Slight gate marks
- 咀芯可更換/Nozzle cores are replaceable
- 可換色/Other colors are optional
- 應用於電子、汽車、醫療、包裝領域/Applied in the fields of electronics, automobile, medicine and packaging

VA
- 適用於通用樹脂、工程樹脂和含玻纖樹脂/Applicable to general resin, engineering resin and resin with glass fiber
- 直接作用在產品面上，澆口痕跡好/Work on the surface of products, leaving only slight marks on the gate
- 可防流涎、拉絲/Prevent jetting and drawing
- 可換色/Other colors are optional
- 應用於電子、汽車、醫療、包裝領域/Applied in the fields of electronics, automobile, medicine and packaging

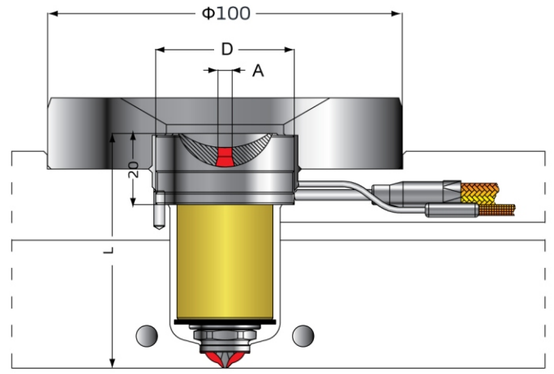
VB
- 適用於通用樹脂、工程樹脂和含玻纖樹脂/Applicable to general resin, engineering resin and resin with glass fiber
- 設置在潛伏澆口流道上/Be set on the submarine gate runner
- 可防流涎、拉絲/Prevent jetting and drawing
- 可換色/Other colors are optional
- 應用於電子、汽車、醫療、包裝領域/Applied in the fields of electronics, automobile, medicine and packaging

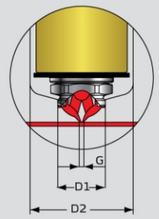
VC
- 適用於通用樹脂、工程樹脂和含玻纖樹脂/Applicable to general resin, engineering resin and resin with glass fiber
- 產品面上留有一圈印子/Leave a circle of marks on the surface of products
- 可防流涎、拉絲/Prevent jetting and drawing
- 可換色/Other colors are optional
- 應用於電子、包裝領域/Applied in the fields of electronics and packaging



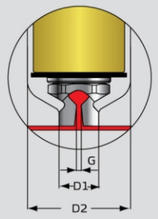
1	B2 鎖模螺絲 B2 Locking Screw	2	閥針套壓塊 Pressure Block of Valve Pin Sleeve	3	閥針套 Valve Pin Sleeve
4	氣缸組合件 Cylinder Groupware	5	閥針 Valve Pin	6	針閥式法蘭 Pin- valve Flange
7	加熱主灌嘴 Heating Main Nozzle Mouth	8	不加熱主灌嘴 Non- heating Main Nozzle Mouth	9	開放式法蘭 Open Flange
10	板式感溫線 Plate Thermocouple	11	隔熱介子 Heat Insulation Meson	12	分流板 Manifold Block
13	防轉銷 Dowel Pin	14	面板 Panel	15	空間板 Space Plate
16	承板 Carrier Plate	17	型腔板 Cavity Plate	18	定位導柱 Locating Guide Post
19	B1 鎖模螺絲 B1 Locking Screw	20	開放式熱咀 Open Nozzle	21	中心環 Central Ring
22	中心定位塊 Central Location Block	23	針閥式熱咀 Pin- valve Nozzle		



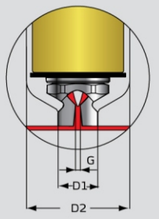




OAS



OBS



OCS

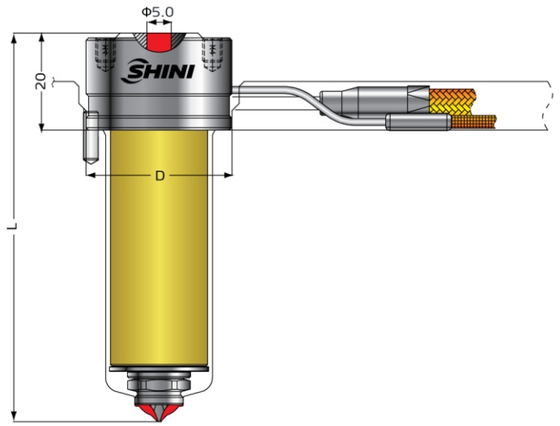
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

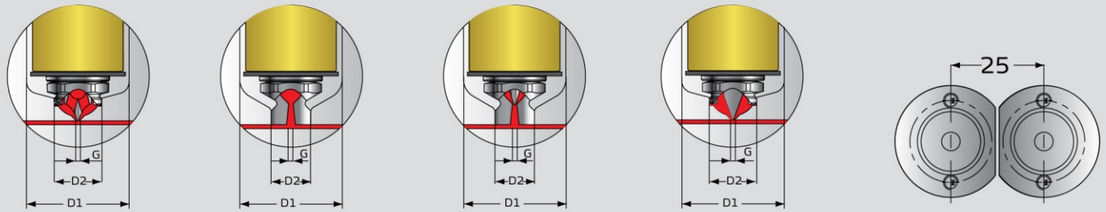
型號/Models 項目/Project	O*S3515	O*S3818	O*S4425	O*S6035	O*S7045
注塑重量(g) Molding Weight	<100g	<200g	<350g	<500g	500g以上
入澆口Φ A Pouring Gate	Φ 3.0	Φ4.0	Φ5.0	Φ5.0	Φ6.0
最小避空孔Φ D2 Minimum Clearance Orifice	Φ 26.0	Φ30.0	Φ36.0	Φ48.0	Φ58.0
熱嘴法蘭尺寸Φ D Dimension of nozzle flange	Φ 35.0	Φ38.0	Φ44.0	Φ60.0	Φ70.0
封膠尺寸Φ D1 Size of Sealing Compounds	Φ12.0/Φ10.0	Φ14.0/Φ12.0	Φ18.0/Φ16.0	Φ26.0/Φ18.0	Φ34.0/Φ20.0
出澆口Φ G Sprue Gate	Φ1.0,Φ1.2,Φ1.5	Φ1.2,Φ1.8,Φ2.0	Φ2.0,Φ2.5,Φ3.0	Φ3.0,Φ3.5,Φ4.0	Φ4.0,Φ4.5,Φ5.0
熱咀長度(L)(mm) Nozzle Length	60.00	60.00	70.00	90.00	100.00
	70.00	70.00	80.00	100.00	110.00
	80.00	80.00	90.00	110.00	120.00
	90.00	90.00	100.00	120.00	130.00
	100.00	100.00	110.00	130.00	140.00
	110.00	110.00	120.00	140.00	150.00
	120.00	120.00	130.00	150.00	160.00
	130.00	130.00	140.00	160.00	170.00
	140.00	140.00	150.00	170.00	180.00
	150.00	150.00	160.00	180.00	190.00

注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

Open nozzle series
13開放式系統熱咀系列







OA OB OC OD 兩熱咀間最小間距25

■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

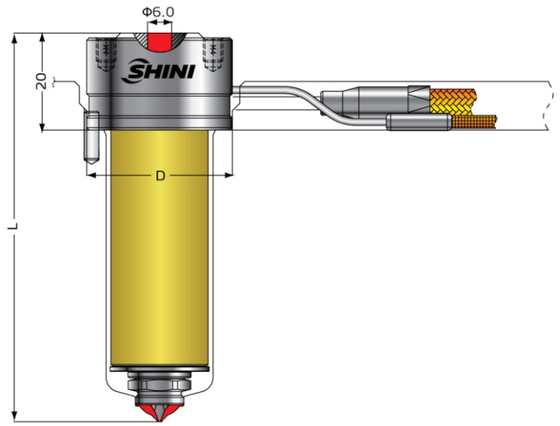
型號/Models / 項目/Project	OA3013	OB3013	OC3013	OD3013
注塑重量(g) Molding Weight		< 20g		
熱咀法蘭尺寸ΦD Dimension of nozzle flange		Φ30.0		
最小避空孔尺寸D1 Minimum Clearance Orifice		Φ22.0		
封膠尺寸ΦD2 Size of Sealing Compounds	Φ10.0	Φ8.0	Φ8.0	Φ10.0
出澆口ΦG Sprue Gate	Φ0.8,Φ1.0,Φ1.2	Φ0.8,Φ1.0,Φ1.2	Φ1.0,Φ1.2,Φ1.5	Φ0.8,Φ1.0,Φ1.2
熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00	60.00
	70.00	70.00	70.00	70.00
	80.00	80.00	80.00	80.00
	90.00	90.00	90.00	90.00
	100.00	100.00	100.00	100.00
	110.00	110.00	110.00	110.00
	120.00	120.00	120.00	120.00
	130.00	130.00	130.00	130.00
	140.00	140.00	140.00	140.00
	150.00	150.00	150.00	150.00

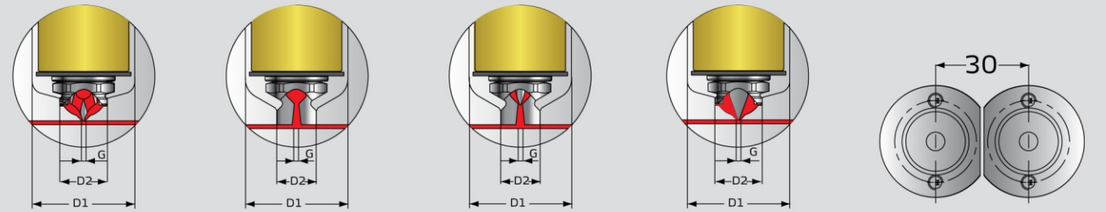
注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

Open nozzle series
15開放式系統熱咀系列

SHINI







OA OB OC OD 兩熱咀間最小間距30

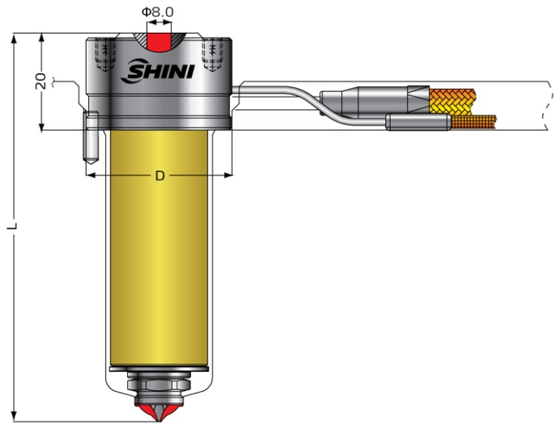
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

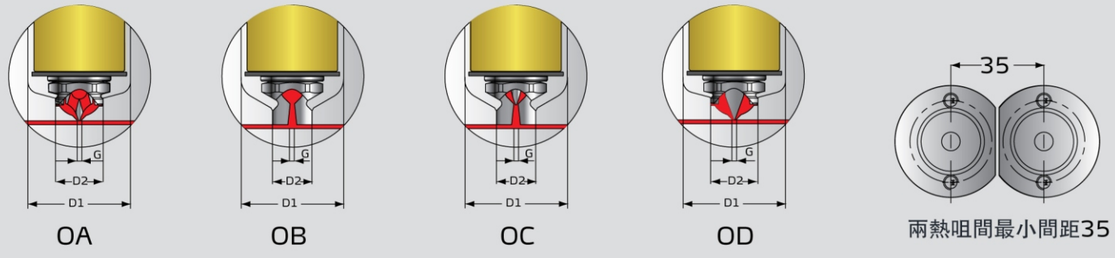
型號/Models / 項目/Project	OA3515	OB3515	OC3515	OD3515
注塑重量(g) Molding Weight		< 60g		
熱咀法蘭尺寸ΦD Dimension of nozzle flange		Φ35.0		
最小避空孔尺寸D1 Minimum Clearance Orifice		Φ26.0		
封膠尺寸ΦD2 Size of Sealing Compounds	Φ12.0	Φ10.0	Φ10.0	Φ12.0
出澆口ΦG Sprue Gate	Φ1.0,Φ1.2,Φ1.5	Φ1.0,Φ1.2,Φ1.5	Φ1.2,Φ1.5,Φ2.0	Φ1.0,Φ1.2,Φ1.5
熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00	60.00
	70.00	70.00	70.00	70.00
	80.00	80.00	80.00	80.00
	90.00	90.00	90.00	90.00
	100.00	100.00	100.00	100.00
	110.00	110.00	110.00	110.00
	120.00	120.00	120.00	120.00
	130.00	130.00	130.00	130.00
	140.00	140.00	140.00	140.00
	150.00	150.00	150.00	150.00

注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

Open nozzle series
18開放式系統熱咀系列







OA OB OC OD 兩熱咀間最小間距35

■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

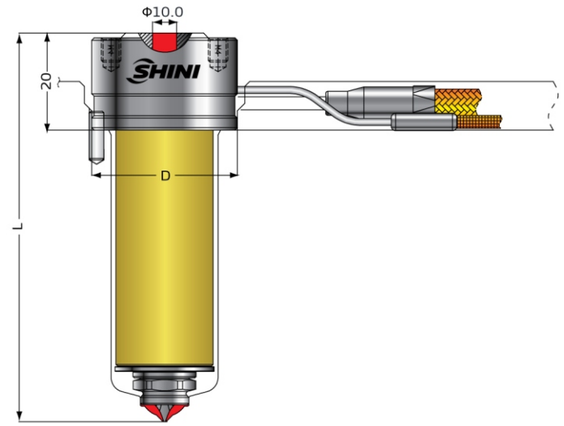
型號/Models / 項目/Project	OA3818	OB3818	OC3818	OD3818
注塑重量(g) Molding Weight		< 150g		
熱咀法蘭尺寸ΦD Dimension of nozzle flange		Φ38.0		
最小避空孔尺寸D1 Minimum Clearance Orifice		Φ30.0		
封膠尺寸ΦD2 Size of Sealing Compounds	Φ14.0	Φ12.0	Φ12.0	Φ14.0
出澆口ΦG Sprue Gate	Φ1.2,Φ1.5,Φ1.8	Φ1.2,Φ1.5,Φ1.8	Φ1.5,Φ2.0,Φ2.5	Φ1.2,Φ1.5,Φ1.8
熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00	60.00
	70.00	70.00	70.00	70.00
	80.00	80.00	80.00	80.00
	90.00	90.00	90.00	90.00
	100.00	100.00	100.00	100.00
	110.00	110.00	110.00	110.00
	120.00	120.00	120.00	120.00
	130.00	130.00	130.00	130.00
	140.00	140.00	140.00	140.00
	150.00	150.00	150.00	150.00

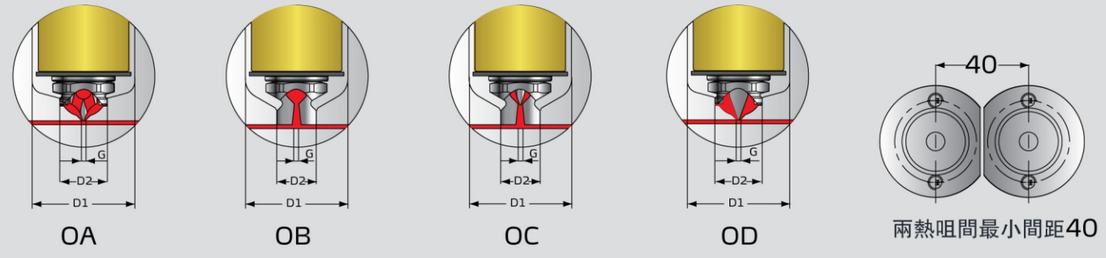
注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

Open nozzle series
25開放式系統熱咀系列

SHINI







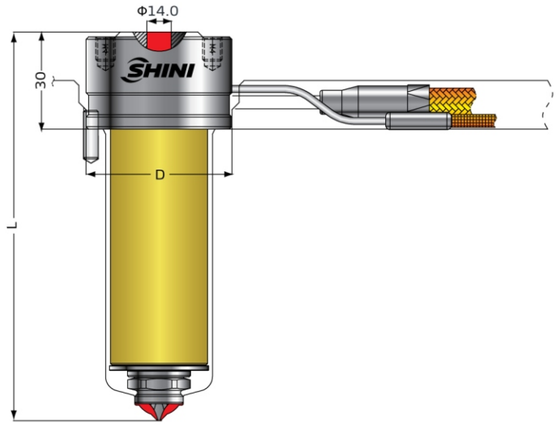
OA OB OC OD 兩熱咀間最小間距40

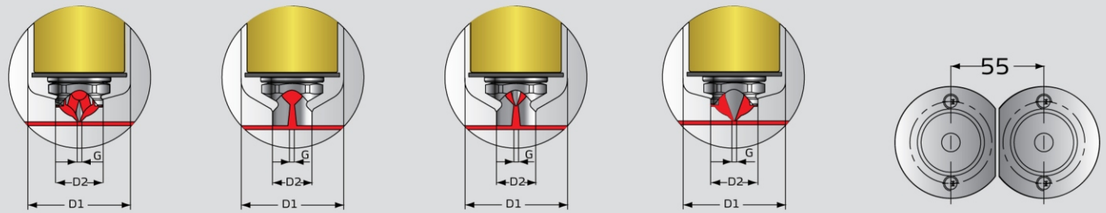
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

型號/Models / 項目/Project	OA4425	OB4425	OC4425	OD4425
注塑重量(g) Molding Weight		< 250g		
熱咀法蘭尺寸ΦD Dimension of nozzle flange		Φ44.0		
最小避空孔尺寸D1 Minimum Clearance Orifice		Φ36.0		
封膠尺寸ΦD2 Size of Sealing Compounds	Φ18.0	Φ16.0	Φ16.0	Φ18.0
出澆口ΦG Sprue Gate	Φ1.5,Φ1.8,Φ2.0	Φ1.5,Φ1.8,Φ2.0	Φ2.0,Φ2.5,Φ3.0	Φ1.5,Φ1.8,Φ2.0
熱咀長度(L)(mm) Nozzle Length	60.00	70.00	70.00	60.00
	70.00	80.00	80.00	70.00
	80.00	90.00	90.00	80.00
	90.00	100.00	100.00	90.00
	100.00	110.00	110.00	100.00
	110.00	120.00	120.00	110.00
	120.00	130.00	130.00	120.00
	130.00	140.00	140.00	130.00
	140.00	150.00	150.00	140.00
	150.00	160.00	160.00	150.00

注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.







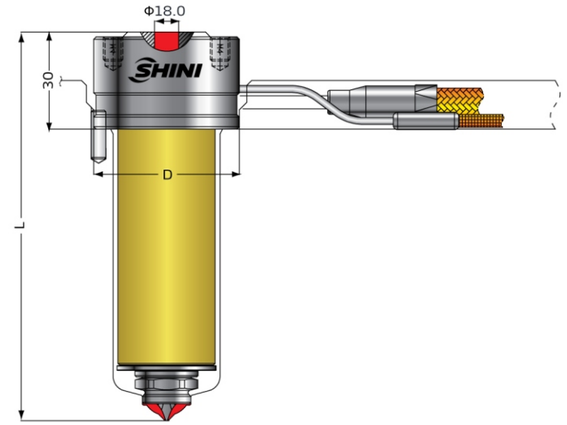
OA OB OC OD 兩熱咀間最小間距55

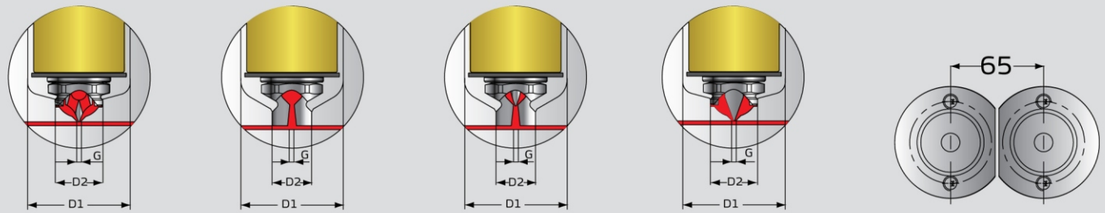
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

型號/Models / 項目/Project	OA6035	OB6035	OC6035	OD6035
注塑重量(g) Molding Weight	<350g			
熱咀法蘭尺寸ΦD Dimension of nozzle flange	Φ60.0			
最小避空孔尺寸D1 Minimum Clearance Orifice	Φ48.0			
封膠尺寸ΦD2 Size of Sealing Compounds	Φ26.0	Φ18.0	Φ18.0	Φ26.0
出澆口ΦG Sprue Gate	Φ2.0,Φ2.5,Φ3.0	Φ2.0,Φ2.5,Φ3.0	Φ2.5,Φ3.0,Φ4.0	Φ2.0,Φ2.5,Φ3.0
熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00	60.00
	70.00	70.00	70.00	70.00
	80.00	80.00	80.00	80.00
	90.00	90.00	90.00	90.00
	100.00	100.00	100.00	100.00
	110.00	110.00	110.00	110.00
	120.00	120.00	120.00	120.00
	130.00	130.00	130.00	130.00
	140.00	140.00	140.00	140.00
	150.00	150.00	150.00	150.00

注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.







OA OB OC OD 兩熱咀間最小間距65

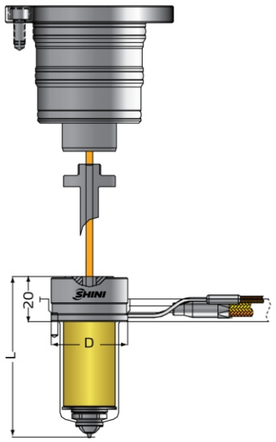
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

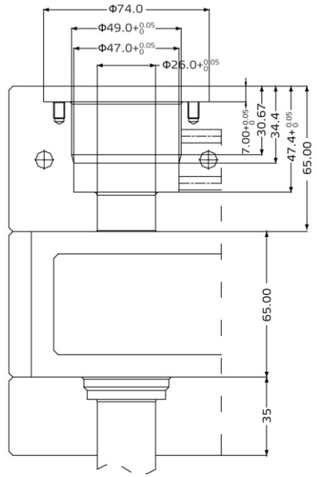
型號/Models / 項目/Project	OA7045	OB7045	OC7045	OD7045
注塑重量(g) Molding Weight	350g above			
熱咀法蘭尺寸ΦD Dimension of nozzle flange	Φ70.0			
最小避空孔尺寸D1 Minimum Clearance Orifice	Φ58.0			
封膠尺寸ΦD2 Size of Sealing Compounds	Φ34.0	Φ20.0	Φ20.0	Φ34.0
出澆口ΦG Sprue Gate	Φ2.5,Φ3.0,Φ3.5	Φ2.5,Φ3.0,Φ3.5	Φ3.0,Φ3.5,Φ4.0	Φ2.5,Φ3.0,Φ3.5
熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00	60.00
	70.00	70.00	70.00	70.00
	80.00	80.00	80.00	80.00
	90.00	90.00	90.00	90.00
	100.00	100.00	100.00	100.00
	110.00	110.00	110.00	110.00
	120.00	120.00	120.00	120.00
	130.00	130.00	130.00	130.00
	140.00	140.00	140.00	140.00
	150.00	150.00	150.00	150.00

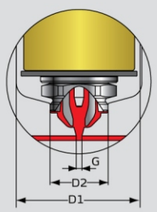
注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

Pin- valve nozzle series
15針閥式系統熱咀系列

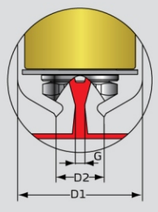




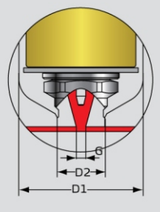




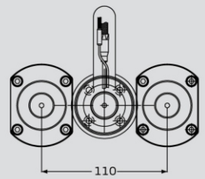
VA



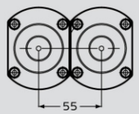
VB



VC



主灌嘴旁邊最小氣缸排位間距



氣缸排位間距

■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

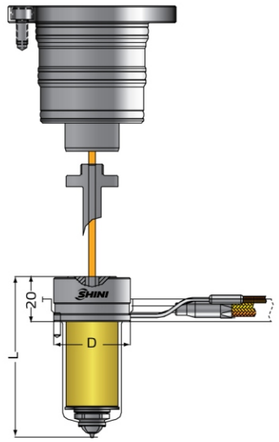
型號/Models / 項目/Project			VA3515	VB3515	VC3515
注塑重量(g) Molding Weight			<80g		
氣缸內徑大小 Internal diameter of cylinder			Φ40.0		
熱咀法蘭尺寸ΦD Dimension of nozzle flange			Φ35.0		
最小避空孔尺寸D1 Minimum Clearance Orifice			Φ26.0		
封膠尺寸ΦD2 Size of Sealing Compounds			Φ12.0	Φ10.0	Φ10.0
出澆口ΦG Sprue Gate			Φ1.0,Φ1.5,Φ2.0	Φ1.0,Φ1.5,Φ2.0	Φ1.0,Φ1.5,Φ2.0
閥針控制 Reference		熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00
			70.00	70.00	70.00
驅動介質 Meadia	空氣 Air		80.00	80.00	80.00
			90.00	90.00	90.00
驅動氣壓 Pressure	6bar ~ 8bar		100.00	100.00	100.00
			110.00	110.00	110.00
閥針行程 Pin Stroke	10mm		120.00	120.00	120.00
			130.00	130.00	130.00
反應時間 Reaction Time	0.5s		140.00	140.00	140.00
			150.00	150.00	150.00

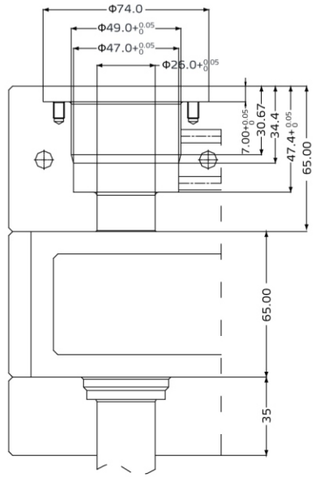
注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

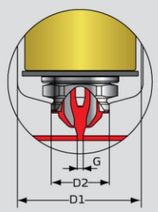
Pin- valve nozzle series
18針閥式系統熱咀系列

SHINI

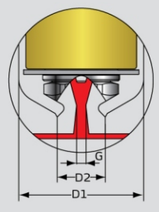




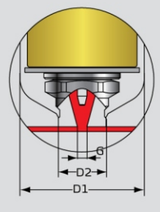




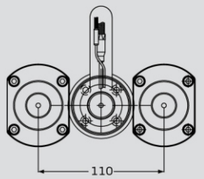
VA



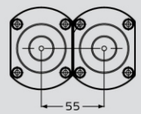
VB



VC



主灌嘴旁邊最小氣缸排位間距



氣缸排位間距

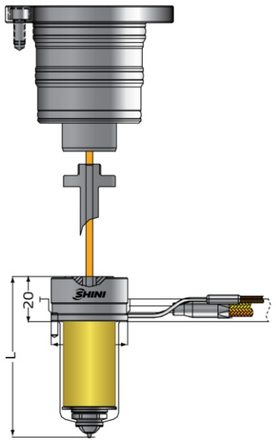
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

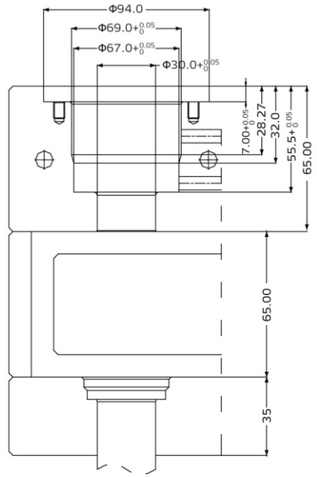
型號/Models / 項目/Project			VA3818	VB3818	VC3818
注塑重量(g) Molding Weight			<160g		
氣缸內徑大小 Internal diameter of cylinder			Φ40.0		
熱咀法蘭尺寸ΦD Dimension of nozzle flange			Φ38.0		
最小避空孔尺寸D1 Minimum Clearance Orifice			Φ30.0		
封膠尺寸ΦD2 Size of Sealing Compounds			Φ14.0	Φ12.0	Φ12.0
出澆口ΦG Sprue Gate			Φ1.5,Φ2.0,Φ2.5	Φ1.5,Φ2.0,Φ2.5	Φ1.5,Φ2.0,Φ2.5
閥針控制 Reference		熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00
			70.00	70.00	70.00
驅動介質 Meadia	空氣 Air		80.00	80.00	80.00
			90.00	90.00	90.00
驅動氣壓 Pressure	6bar ~ 8bar		100.00	100.00	100.00
			110.00	110.00	110.00
閥針行程 Pin Stroke	10mm		120.00	120.00	120.00
			130.00	130.00	130.00
反應時間 Reaction Time	0.5s		140.00	140.00	140.00
			150.00	150.00	150.00

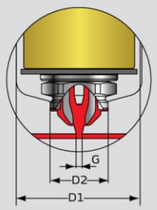
注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

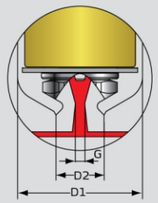
Pin- valve nozzle series
25針閥式系統熱咀系列

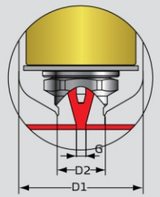


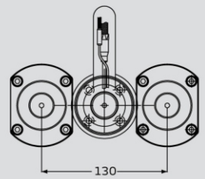


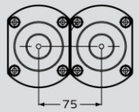












VA VB VC 主灌嘴旁邊最小氣缸排位間距 氣缸排位間距

■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

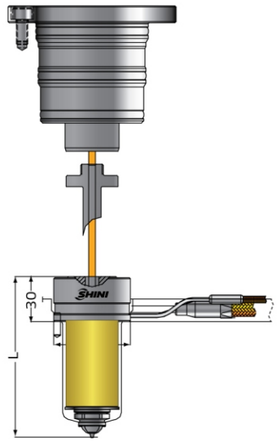
型號/Models / 項目/Project			VA4425	VB4425	VC4425
注塑重量(g) Molding Weight			< 280g		
氣缸內徑大小 Internal diameter of cylinder			Φ60.0		
熱咀法蘭尺寸ΦD Dimension of nozzle flange			Φ44.0		
最小避空孔尺寸D1 Minimum Clearance Orifice			Φ36.0		
封膠尺寸ΦD2 Size of Sealing Compounds			Φ18.0	Φ16.0	Φ16.0
出澆口ΦG Sprue Gate			Φ2.5,Φ3.0,Φ3.5	Φ2.5,Φ3.0,Φ3.5	Φ2.5,Φ3.0,Φ3.5
閥針控制 Reference		熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00
			70.00	70.00	70.00
驅動介質 Meadia	空氣 Air		80.00	80.00	80.00
			90.00	90.00	90.00
驅動氣壓 Pressure	8bar 10bar		100.00	100.00	100.00
			110.00	110.00	110.00
閥針行程 Pin Stroke	15mm		120.00	120.00	120.00
			130.00	130.00	130.00
反應時間 Reaction Time	0.5s		140.00	140.00	140.00
			150.00	150.00	150.00

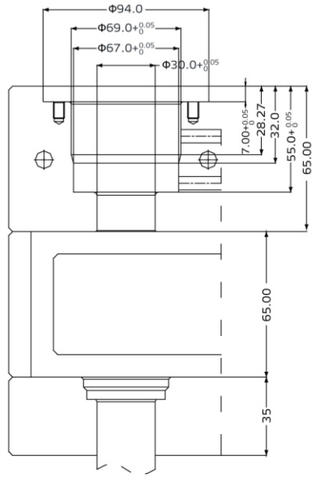
注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

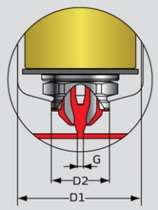
Pin- valve nozzle series
35針閥式系統熱咀系列

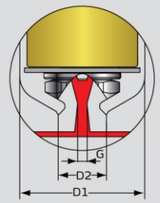
SHINI

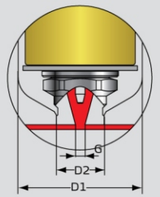


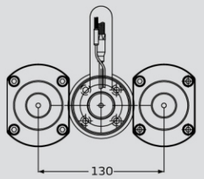


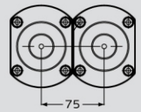












VA VB VC 主灌嘴旁邊最小氣缸排位間距 氣缸排位間距

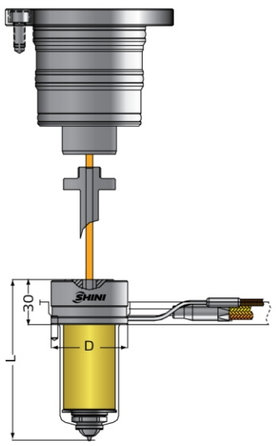
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

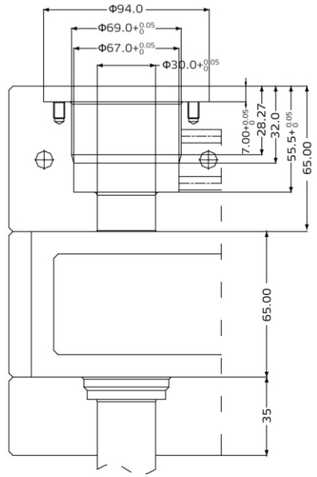
型號/Models / 項目/Project			VA6035	VB6035	VC6035
注塑重量(g) Molding Weight			< 400g		
氣缸內徑大小 Internal diameter of cylinder			Φ60.0		
熱咀法蘭尺寸ΦD Dimension of nozzle flange			Φ60.0		
最小避空孔尺寸D1 Minimum Clearance Orifice			Φ48.0		
封膠尺寸ΦD2 Size of Sealing Compounds			Φ26.0	Φ18.0	Φ18.0
出澆口ΦG Sprue Gate			Φ3.5,Φ4.0,Φ4.5	Φ3.5,Φ4.0,Φ4.5	Φ3.5,Φ4.0,Φ4.5
閥針控制 Reference		熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00
			70.00	70.00	70.00
驅動介質 Meadia	空氣 Air		80.00	80.00	80.00
			90.00	90.00	90.00
驅動氣壓 Pressure	8bar 10bar		100.00	100.00	100.00
			110.00	110.00	110.00
閥針行程 Pin Stroke	15mm		120.00	120.00	120.00
			130.00	130.00	130.00
反應時間 Reaction Time	0.5s		140.00	140.00	140.00
			150.00	150.00	150.00

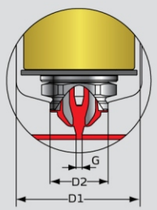
注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

Pin- valve nozzle series
45針閥式系統熱咀系列

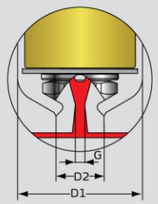




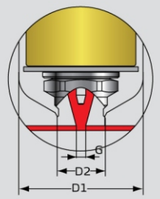




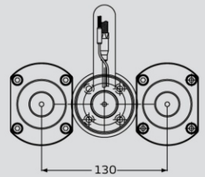
VA



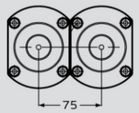
VB



VC



主灌嘴旁邊最小氣缸排位間距
Minimum Distance between Two Cylinders Beside the Main Nozzle Mouth



氣缸排位間距
Distance between Two Cylinders

■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

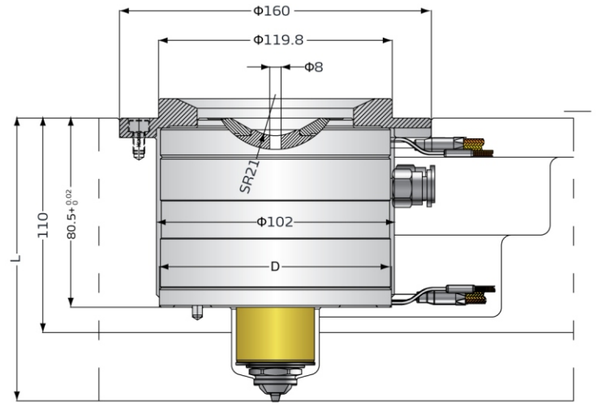
型號/Models / 項目/Project			VA7045	VB7045	VC7045
注塑重量(g) Molding Weight			400g above		
氣缸內徑大小 Internal diameter of cylinder			Φ60		
熱咀法蘭尺寸ΦD Dimension of nozzle flange			Φ70.0		
最小避空孔尺寸D1 Minimum Clearance Orifice			Φ58.0		
封膠尺寸ΦD2 Size of Sealing Compounds			Φ34.0	Φ20.0	Φ20.0
出澆口ΦG Sprue Gate			Φ4.0,Φ4.5,Φ5.0	Φ4.0,Φ4.5,Φ5.0	Φ4.0,Φ4.5,Φ5.0
閥針控制 Reference		熱咀長度(L)(mm) Nozzle Length	60.00	60.00	60.00
			70.00	70.00	70.00
驅動介質 Meadia	空氣 Air		80.00	80.00	80.00
			90.00	90.00	90.00
驅動氣壓 Pressure	8bar ~ 10bar		100.00	100.00	100.00
			110.00	110.00	110.00
閥針行程 Pin Stroke	15mm		120.00	120.00	120.00
			130.00	130.00	130.00
反應時間 Reaction Time	0.5s		140.00	140.00	140.00
			150.00	150.00	150.00

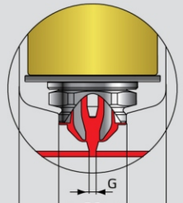
注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

Nozzle with Single- point Pin Valve
單點針閥式系列(SVG30)

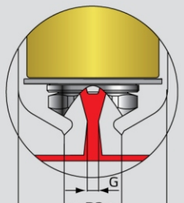
SHINI



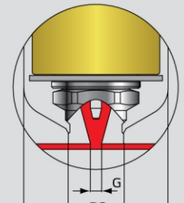




SVGA



SVGB



SVGC

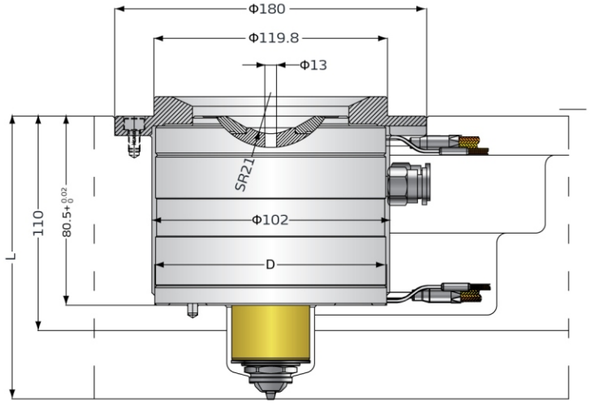
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

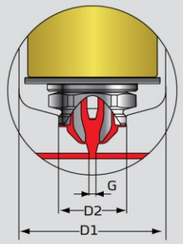
型號/Models / 項目/Project			SVGA30	SVGB30	SVGC30
注塑重量(g) Molding Weight			< 350g		
熱咀法蘭尺寸ΦD Dimension of nozzle flange			Φ100.0		
最小避空孔尺寸D1 Minimum Clearance Orifice			Φ42.0		
封膠尺寸ΦD2 Size of Sealing Compounds			Φ22.0/Φ16.0	Φ22.0/Φ16.0	Φ22.0/Φ16.0
出澆口ΦG Sprue Gate			Φ2.0,Φ2.5,Φ3.0	Φ2.0,Φ2.5,Φ3.0	Φ2.0,Φ2.5,Φ3.0
閥針控制 Reference		熱咀長度(L)(mm) Nozzle Length	145.00	145.00	145.00
			155.00	155.00	155.00
驅動介質 Meadia	空氣 Air		165.00	165.00	165.00
			175.00	175.00	175.00
驅動氣壓 Pressure	8bar ~ 10bar		185.00	185.00	185.00
			195.00	195.00	195.00
閥針行程 Pin Stroke	10mm		205.00	205.00	205.00
			215.00	215.00	215.00
反應時間 Reaction Time	0.5s				

注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

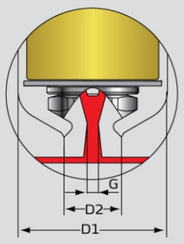
Nozzle with Single- point Pin Valve
單點針閥式系列(SVG42)



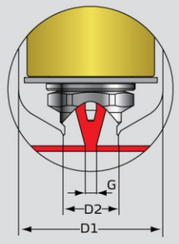




SVGA



SVGB



SVGC

■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

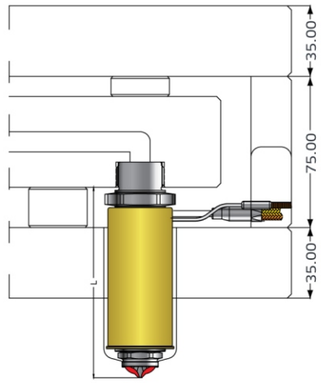
型號/Models / 項目/Project		SVGA42	SVGB42	SVGC42
注塑重量(g) Molding Weight		500g above		
熱咀法蘭尺寸ΦD Dimension of nozzle flange		Φ120.0		
最小避空孔尺寸D1 Minimum Clearance Orifice		Φ55.0		
封膠尺寸ΦD2 Size of Sealing Compounds		Φ30.0/Φ20.0	Φ30.0/Φ20.0	Φ30.0/Φ20.0
出澆口ΦG Sprue Gate		Φ3.5,Φ4.0,Φ4.5	Φ3.5,Φ4.0,Φ4.5	Φ3.5,Φ4.0,Φ4.5
閥針控制 Reference	熱咀長度(L)(mm) Nozzle Length	150.00	150.00	150.00
		160.00	160.00	160.00
驅動介質 Meadia	空氣 Air	170.00	170.00	170.00
驅動氣壓 Pressure	8bar ~ 10bar	180.00	180.00	180.00
		190.00	190.00	190.00
閥針行程 Pin Stroke	10mm	200.00	200.00	200.00
		210.00	210.00	210.00
反應時間 Reaction Time	0.5s	220.00	220.00	220.00

注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

Open Integrated System
開放整體式系列

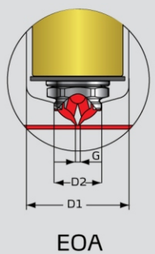
SHINI



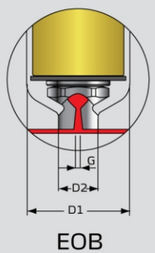


整體式系統優勢:

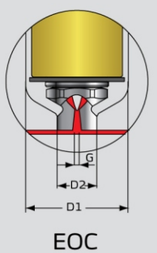
- 拆裝方便，整體吊裝吊拆
- 熱咀螺紋連接，降低溢料風險
- 縮減了點位間距
- 排線簡捷，接插方便
- 簡化模具加工，縮短模具週期



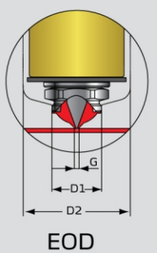
EOA



EOB



EOC



EOD

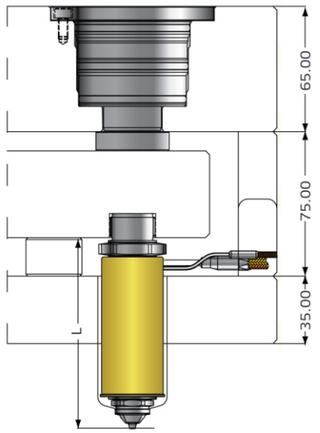
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

型號/Models / 項目/Project	EO15	EO18	EO25	EO35	EO45
注塑重量(g) Molding Weight	< 60g	< 150g	< 250g	< 350g	350g以上
最小避空孔ΦD1 Minimum Clearance Orifice	Φ 26.0	Φ30.0	Φ36.0	Φ48.0	Φ58.0
出澆口Φ G Sprue Gate	Φ1.0,Φ1.2,Φ1.5	Φ1.2,Φ1.5,Φ1.8	Φ1.8,Φ2.0,Φ2.5	Φ2.5,Φ3.0,Φ3.5	Φ3.5,Φ4.0,Φ4.5
封膠尺寸Φ D2 Size of Sealing Compounds	Φ12.0/Φ10.0	Φ14.0/Φ12.0	Φ18.0/Φ16.0	Φ26.0/Φ18.0	Φ34.0/Φ20.0
熱咀長度(L)(mm) Nozzle Length	65.00	70.00	75.00	80.00	100.00
	75.00	80.00	85.00	90.00	110.00
	85.00	90.00	95.00	100.00	120.00
	95.00	100.00	105.00	110.00	130.00
	105.00	110.00	115.00	120.00	140.00
	115.00	120.00	125.00	130.00	150.00
	125.00	130.00	135.00	140.00	160.00
	135.00	140.00	145.00	150.00	170.00
	145.00	150.00	155.00	160.00	180.00
	155.00	160.00	165.00	170.00	190.00

注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

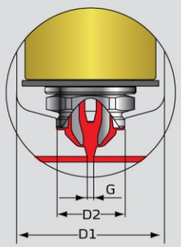
Integrated System with Pin Valve
針閥整體式系列



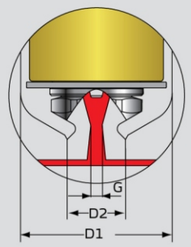


整體式系統優勢：

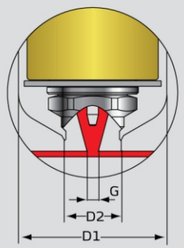
- 拆裝方便
- 熱咀螺紋連接，降低溢料風險
- 縮減了點位間距
- 排線簡捷，接插方便
- 簡化模具加工，縮短模具週期



EVA



EVB



EVC

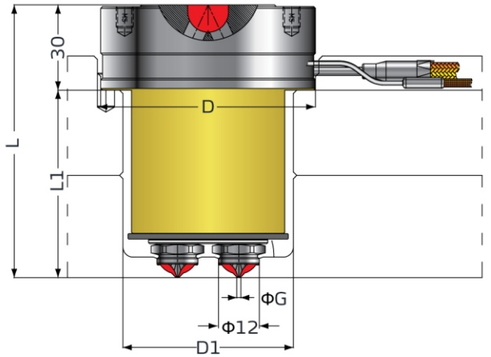
■ 熱咀參數規格表/Table of Nozzle Parameter and Specification

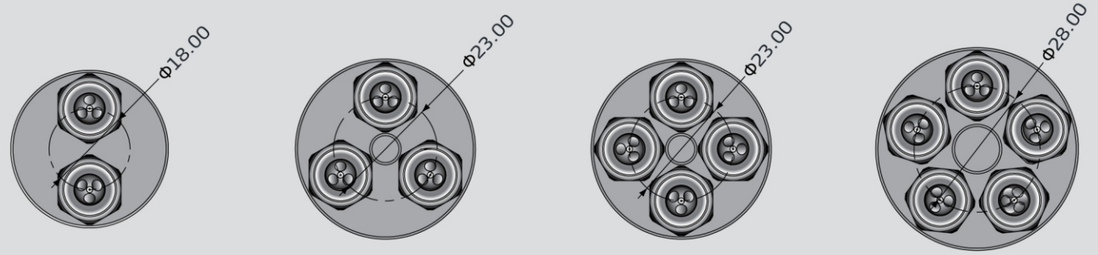
型號/Models / 項目/Project	EV15	EV18	EV25	EV35	EV45
注塑重量(g) Molding Weight	＜80g	＜160g	＜280g	＜400g	400g以上
氣缸缸徑 Cylinder Diameter	Φ40.00	Φ40.00	Φ60.00	Φ60.00	Φ60.00
熱咀避空孔Φ D1 Minimum Clearance Orifice	Φ26.0	Φ30.0	Φ36.0	Φ48.0	Φ58.0
出澆口Φ G Sprue Gate	Φ1.0,Φ1.2,Φ1.5	Φ1.5,Φ2.0,Φ2.5	Φ2.0,Φ2.5,Φ3.0	Φ3.0,Φ3.5,Φ4.0	Φ4.0,Φ4.5,Φ5.0
封膠尺寸Φ D2 Size of Sealing Compounds	Φ12.0/Φ10.0	Φ14.0/Φ12.0	Φ18.0/Φ16.0	Φ26.0/Φ18.0	Φ34.0/Φ20.0
熱咀長度(L)(mm) Nozzle Length	65.00	70.00	75.00	80.00	100.00
	75.00	80.00	85.00	90.00	110.00
	85.00	90.00	95.00	100.00	120.00
	95.00	100.00	105.00	110.00	130.00
	105.00	110.00	115.00	120.00	140.00
	115.00	120.00	125.00	130.00	150.00
	125.00	130.00	135.00	140.00	160.00
	135.00	140.00	145.00	150.00	170.00
	145.00	150.00	155.00	160.00	180.00
	155.00	160.00	165.00	170.00	190.00

注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

Open Multi- head Nozzle
開放多頭熱咀系列





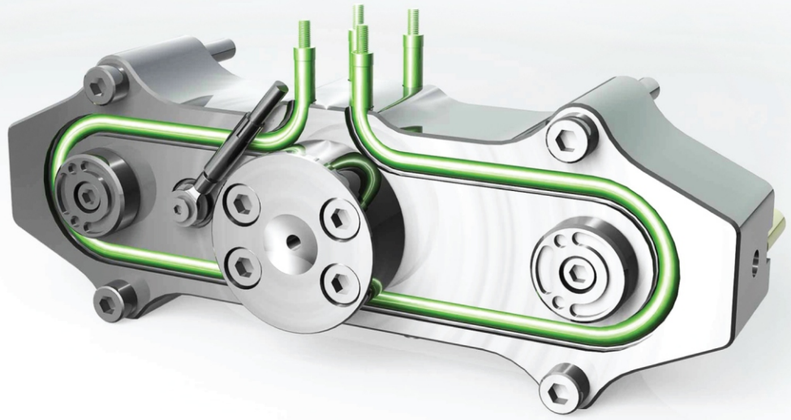


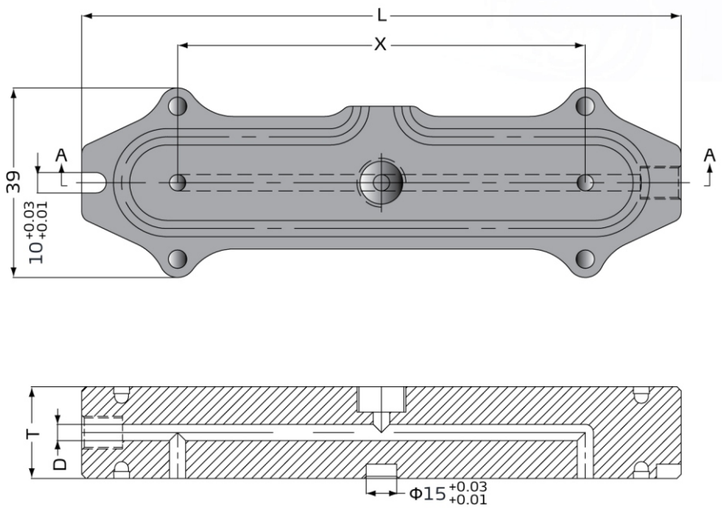
■ 多頭標準熱咀參數系列/Parameter of Multi- head Standard Nozzle

型號/Models / 項目/Project	OAMT 5235			OAMT 5740			OAMT 6245		
注塑重量(g) Molding Weight	＜20g			＜30g			＜40g		
可選咀尖點數 Number of Nozzle Tips	T-02			T-02	T-03	T-04	T-02	T-03	T-04	T-05
定位尺寸ΦD Minimum Clearance Orifice	Φ52.00			Φ57.00			Φ62.00			
最小避空孔ΦD1 Minimum Clearance Orifice	Φ45.00			Φ50.00			Φ55.00			
出澆口Φ G Sprue Gate	Φ1.0,Φ1.2,Φ1.5			Φ1.0,Φ1.2,Φ1.5			Φ1.0,Φ1.2,Φ1.5			
熱咀規格 Nozzle Specification	熱咀型號 Model	直徑 Diameter	長度 Length	熱咀型號 Model	直徑 Diameter	長度 Length	熱咀型號 Model	直徑 Diameter	長度 Length
	5235	Φ35.00	80	5740	Φ40.00	80	6245	Φ45.00	80
	5235		90	5740		90	6245		90
	5235		100	5740		100	6245		100
	5235		110	5740		110	6245		110
	5235		120	5740		120	6245		120
	5235		130	5740		130	6245		130

注：熱咀長度可根據客户模具要求訂制.
Note: nozzle length can be customized according to customer's demand for mold.

I-type Manifold Block
I型流道板





SECTION A-A

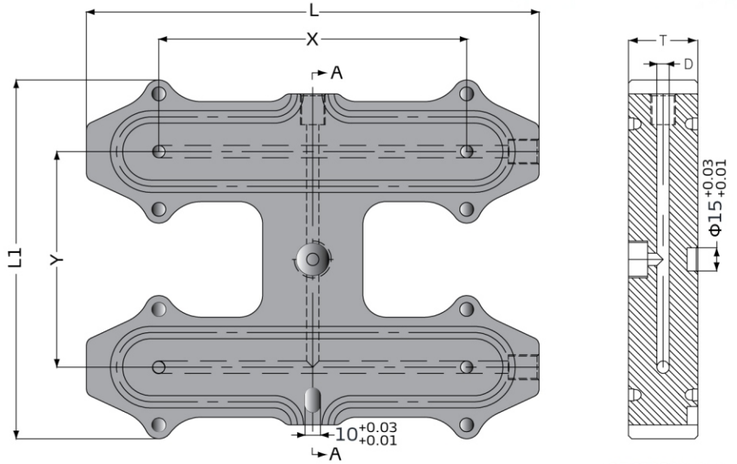
Unit: mm

T	D(Φ)	L=140 X	L=155 X	L=170 X	L=185 X	L=200 X	L=215 X	L=230 X	L=245 X	L=260 X	L=275 X
40	6-8	55	70	85	100	115	130	145	150	165	180
45	8-12	55	70	85	100	115	130	145	150	165	180
50	12-14	55	70	85	100	115	130	145	150	165	180

H-type Manifold Block
H型流道板







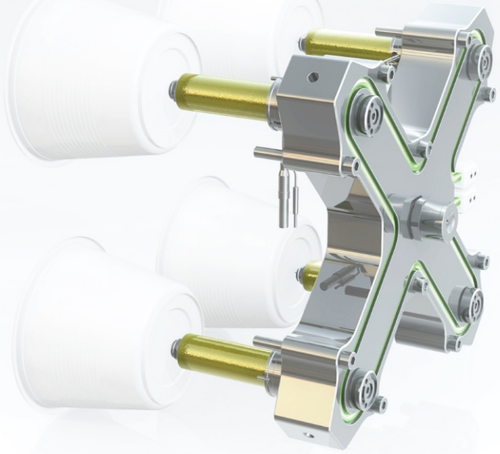
SECTION A-A

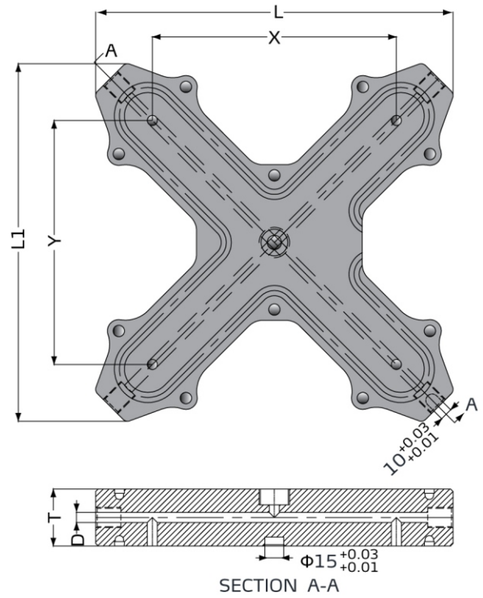
Unit: mm

Y	L1	板厚T Thickness	D(Φ)	L=155 X	L=170 X	L=185 X	L=200 X	L=215 X	L=230 X	L=245 X	L=260 X	L=275 X	L=290 X
60	153	40	6-8	70	85	100	115	130	145	160	175	190	205
75	168	45	8-12	70	85	100	115	130	145	160	175	190	205
90	183	50	12-14	70	85	100	115	130	145	160	175	190	205

X-type Manifold Block
X型流道板





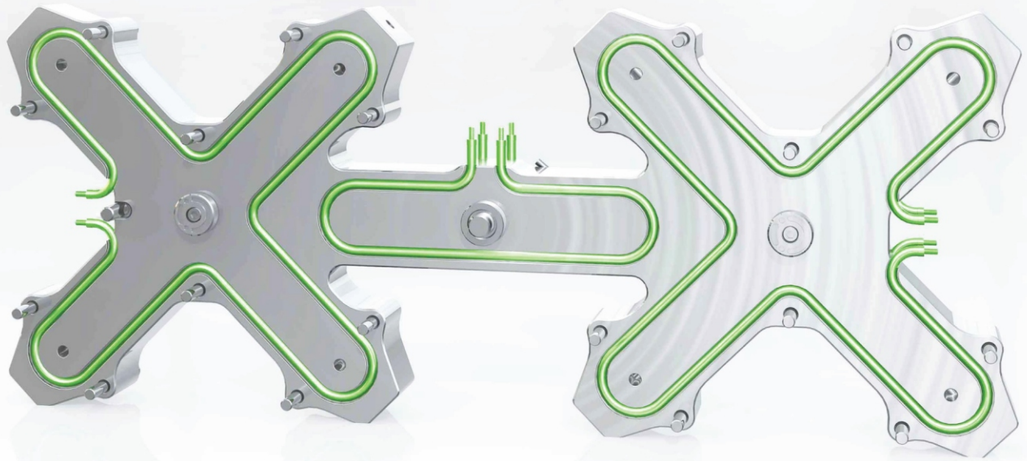


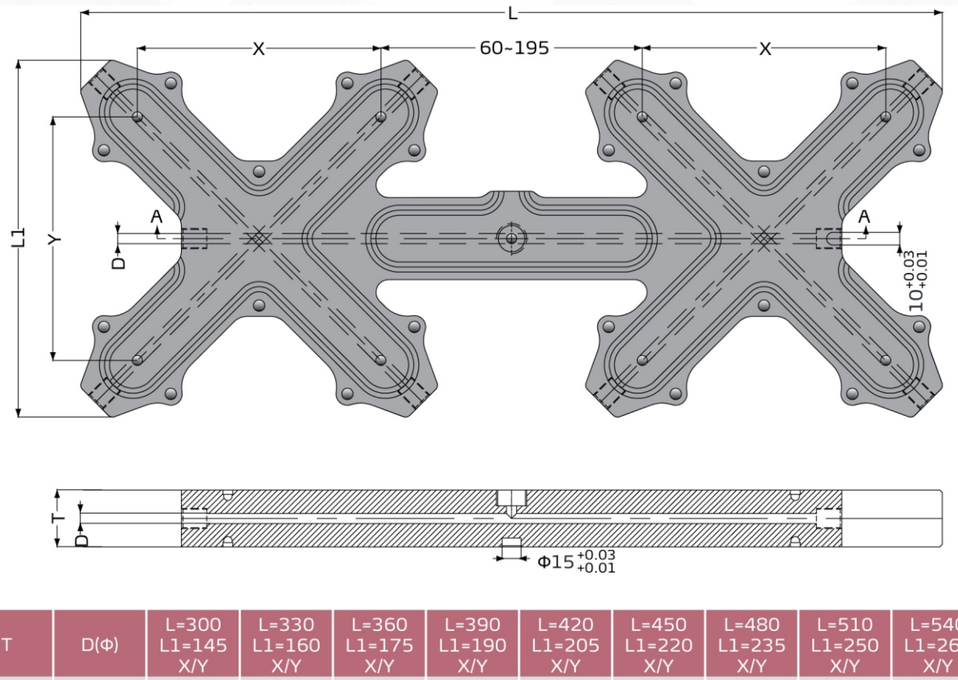
SECTION A-A

Unit: mm

T	D(Φ)	L=145 X/Y	L=160 X/Y	L=175 X/Y	L=190 X/Y	L=205 X/Y	L=220 X/Y	L=235 X/Y	L=250 X/Y	L=266 X/Y	L=280 X/Y
40	6-8	60	75	90	105	120	135	150	165	180	195
45	8-12	60	75	90	105	120	135	150	165	180	195
50	12-14	60	75	90	105	120	135	150	165	180	195

XX-type Manifold Block
XX型流道板

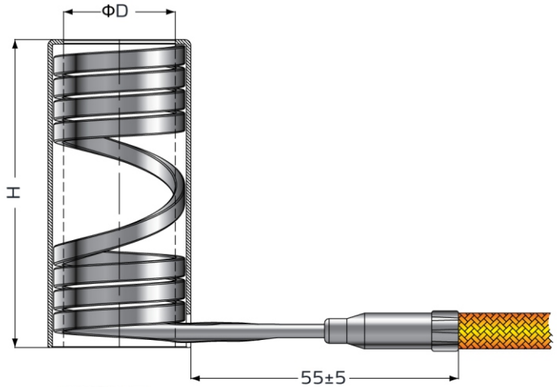




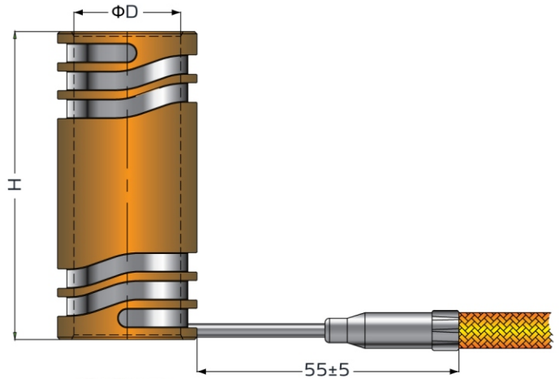
Unit: mm

T	D(Φ)	L=300 L1=145 X/Y	L=330 L1=160 X/Y	L=360 L1=175 X/Y	L=390 L1=190 X/Y	L=420 L1=205 X/Y	L=450 L1=220 X/Y	L=480 L1=235 X/Y	L=510 L1=250 X/Y	L=540 L1=265 X/Y	L=570 L1=280 X/Y
40	6-8	60	75	90	105	120	135	150	165	180	195
45	8-12	60	75	90	105	120	135	150	165	180	195
50	12-14	60	75	90	105	120	135	150	165	180	195

Heating Ring
發熱圈系列



彈簧發熱圈
Spring Heating Ring



銅套發熱圈
Copper- sheathed Heating Ring

Unit: mm

Model	ΦD	H	Model	ΦD	H
HT-D13-H40	Φ13.00	40	HT-D13-H100	Φ13.00	100
HT-D13-H50		50	HT-D13-H110		110
HT-D13-H60		60	HT-D13-H120		120
HT-D13-H70		70	HT-D13-H130		130
HT-D13-H80		80	HT-D13-H140		140
HT-D13-H90		90	HT-D13-H150		150

Unit: mm

Model	ΦD	H	Model	ΦD	H
HT-D15-H40	Φ15.00	40	HT-D15-H100	Φ15.00	100
HT-D15-H50		50	HT-D15-H110		110
HT-D15-H60		60	HT-D15-H120		120
HT-D15-H70		70	HT-D15-H130		130
HT-D15-H80		80	HT-D15-H140		140
HT-D15-H90		90	HT-D15-H150		150

Unit: mm

Model	ΦD	H	Model	ΦD	H
HT-D18-H45	Φ18.00	45	HT-D18-H105	Φ18.00	105
HT-D18-H55		55	HT-D18-H115		115
HT-D18-H65		65	HT-D18-H125		125
HT-D18-H75		75	HT-D18-H135		135
HT-D18-H85		85	HT-D18-H145		145
HT-D18-H95		95	HT-D18-H155		155

Unit: mm

Model	ΦD	H	Model	ΦD	H
HT-D25-H45	Φ25.00	45	HT-D25-H105	Φ25.00	105
HT-D25-H55		55	HT-D25-H115		115
HT-D25-H65		65	HT-D25-H125		125
HT-D25-H75		75	HT-D25-H135		135
HT-D25-H85		85	HT-D25-H145		145
HT-D25-H95		95	HT-D25-H155		155

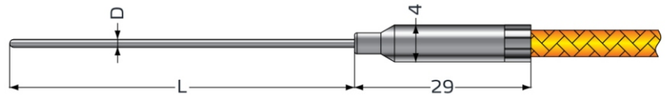
Unit: mm

Model	ΦD	H	Model	ΦD	H
HT-D35-H50	Φ35.00	50	HT-D35-H110	Φ35.00	110
HT-D35-H60		60	HT-D35-H120		120
HT-D35-H70		70	HT-D35-H130		130
HT-D35-H80		80	HT-D35-H140		140
HT-D35-H90		90	HT-D35-H150		150
HT-D35-H100		100	HT-D35-H160		160

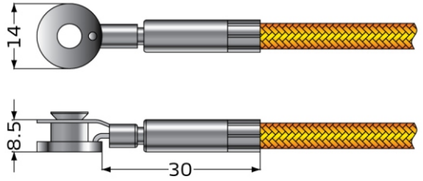
Unit: mm

Model	ΦD	H	Model	ΦD	H
HT-D45-H50	Φ45.00	50	HT-D45-H110	Φ45.00	110
HT-D45-H60		60	HT-D45-H120		120
HT-D45-H70		70	HT-D45-H130		130
HT-D45-H80		80	HT-D45-H140		140
HT-D45-H90		90	HT-D45-H150		150
HT-D45-H100		100	HT-D45-H160		160

Heating Pipe and Thermocouple
分流板發熱管與感溫線系列



針式感溫線/Pin- type Thermocouple



分流板感溫線/Manifold Block Thermocouple

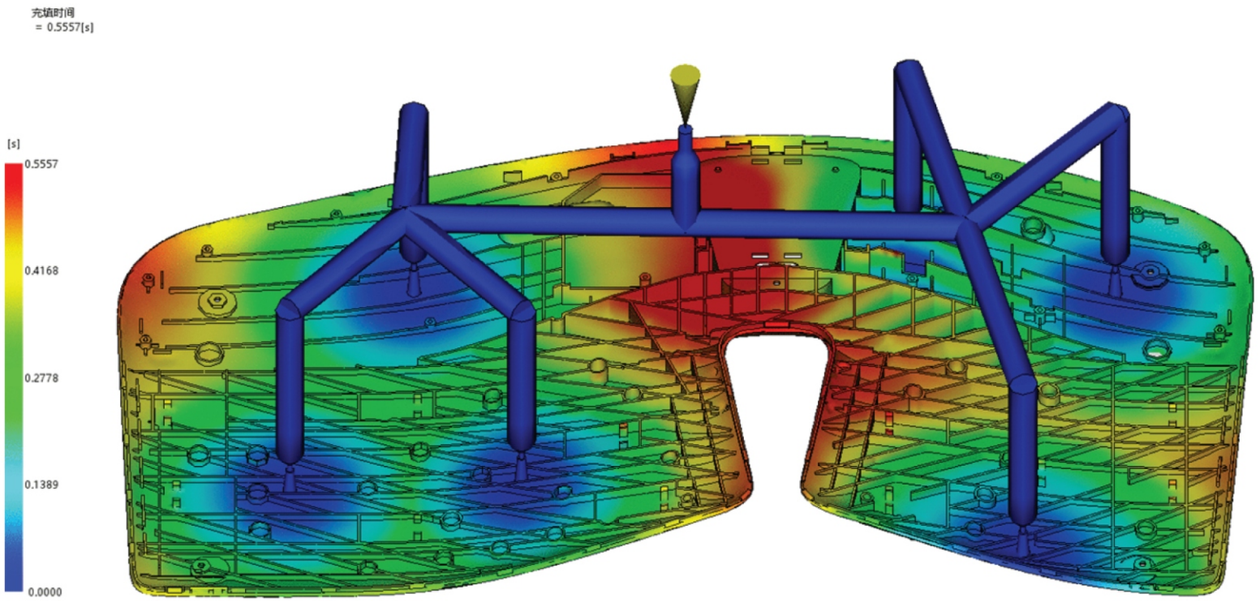
Model	ΦD	L	Model	ΦD	L
TCN-D1.0-L50	Φ1.0	50	TCN-D1.5-L50	Φ1.5	50
TCN-D1.0-L80		80	TCN-D1.5-L80		80
TCN-D1.0-L100		100	TCN-D1.5-L100		100
TCN-D1.0-L150		150	TCN-D1.5-L150		150
TCN-D1.0-L200		200	TCN-D1.5-L200		200
TCN-D1.0-L250		250	TCN-D1.5-L250		250



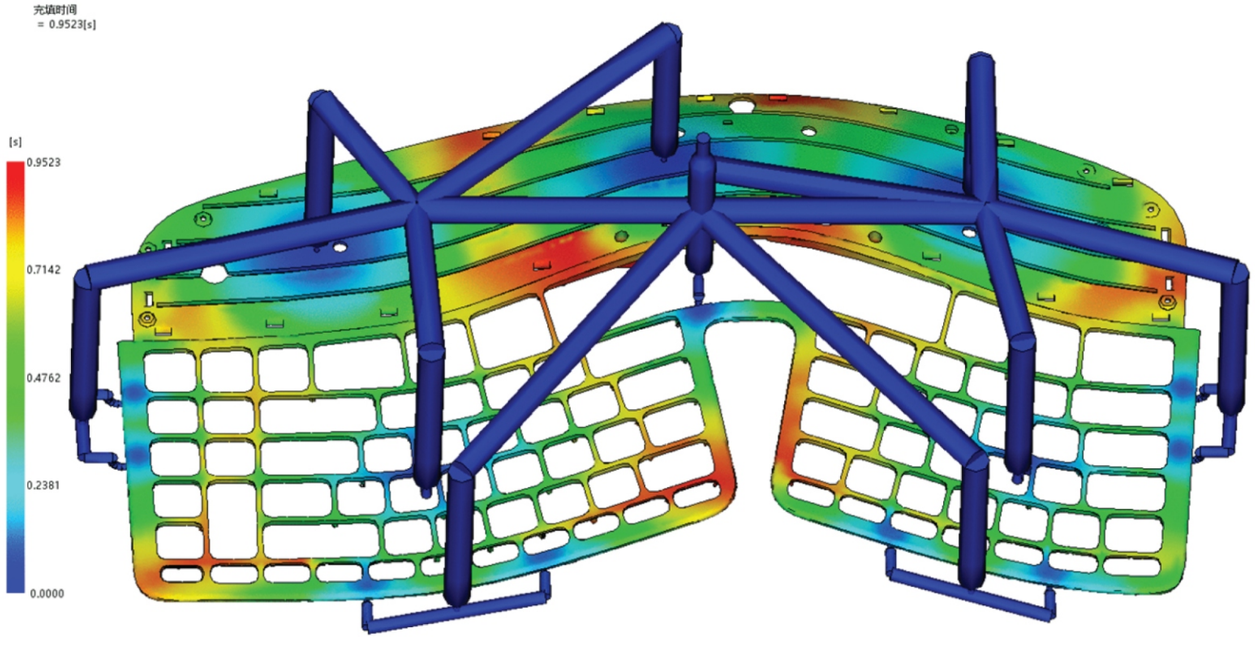
發熱管規格
Specification of Heating Pipe

L	Cold End (MM)	加熱長度(MM) Heating Length	功率(標準) Power	L	Cold End (MM)	加熱長度(MM) Heating Length	功率(標準) Power
300 MM	兩端冷端長度各30 Length of cold end on both ends is 30	240	600 W	650 MM	兩端冷端長度各30 Length of cold end on both ends is 30	590	1200 W
325 MM		265	600 W	675 MM		615	1200 W
350 MM		290	700 W	700 MM		640	1300 W
375 MM		315	700 W	725 MM		665	1300 W
400 MM		340	750 W	750 MM		690	1350 W
425 MM		365	750 W	775 MM		715	1350 W
450 MM		390	800 W	800 MM		740	1450 W
475 MM		415	800 W	825 MM		765	1450 W
500 MM		440	900 W	850 MM		790	(1550 W
525 MM		465	900 W	875 MM		815	1550 W
550 MM		490	1000 W	900 MM		840	1600 W
575 MM		515	1000 W	925 MM		865	1600 W
600 MM		540	1100 W	950 MM		890	1700 W
625 MM		565	1100 W	975 MM		915	1700 W

Mold flow analysis
模流分析案例圖



模流分析一出六針閥式進膠; 產品名稱：鍵盤下殼；產品材質：PA
Mold flow analysisOne-to-six pin valve gating;Product name: bottom shell of the keyboard;Material: PA.



模流分析一出十針閥式進膠;產品名稱：鍵盤上殼;產品材質：PC+ABS
Mold flow analysisOne-to-ten pin valve gating;Product name: bottom shell of the keyboard;Material: PC+ABS.

Successful case
產品成功案例

SHINI


注射器1
Injector 1


醫療過濾器
Medical filter


醫療調節輪
Medical regulating wheel


注射器2
Injector 2


醫療產品
Medical products


噴霧泵
Spray pump


慕絲蓋
Mousse cover


充電插頭蓋
Cover of charging plug


齒輪
Gear


積木
Building block


燈罩
Lampshade

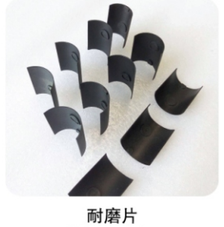

採血管
Blood-collection tube

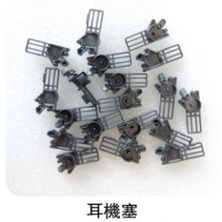

工業連接器插頭
Industrial connector

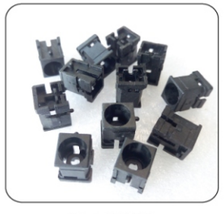

筆蓋、筆身
Pen cap, pen body


LED


連接器
Connector


耐磨片
Wear plate


耳機塞
Earphone jack


打火機零件
Components of lighter


圓珠筆芯帽
Refill cap of ballpoint pen

溫控箱



■ 編碼原則

SH TC - xE

- xE → 點數(E表示控制點數)
- TC → 溫度控制器
- SH → 信舟熱流道

■ 應用範圍

溫控箱用於熱流道系統加熱控溫，是一種連續不斷保持熱流道系統所需溫度值的設備，由溫控卡、斷路器、箱體、風扇、接線座和纜線等組成。溫控箱通過內裝的溫控卡控制熱流道系統的溫度，保持系統精準的溫度，是熱流道模具應用所必須的電氣系統。

■ 規格表

機箱段數	長(mm)	寬(mm)	高(mm)
1段	100	220	280
2段	240	390	240
4段	380	390	240
6段	440	390	240
8段	540	390	240
12段	410	390	440
24段	720	390	440

特點

標配功能

- LCD模組顯示
- 內設蜂鳴器功能
- 具有過壓保護，避免接線錯誤造成模組燒毀
- 感溫線斷線、反接偵測
- 保險絲斷線偵測
- 輸出百分比、顯示功能
- 二種可選擇觸發輸出(相位/零位)
- 智能型緩啟動功能
- 感溫線異常轉手動輸出功能
- 自動/手動控制功能
- PID自動溫度控制
- 輸出百分比限制設定
- 二種可選擇感溫線(J/K)
- 二種可選擇溫度單位(°C/°F)
- 六種可選擇警報輸出
- 溫度範圍K TYPE: 32~999°F / J TYPE: 0~600°C

選配功能

- 電流偵測功能:
  電流顯示功能、加熱器短路保護 、加熱器斷線偵測 、TRIAC短路保護
- 增加紅外線模組:
  一鍵啟動(關閉)/保溫(升溫)功能
- 通訊模組:
  RS485通訊功能：ASCII及RTU模式

Temperature Controller



■ Coding Principles

SH TC - xE

- xE → Zones (E Stands For Zones)
- TC → Temperature Controller
- SH → Shinno Hot Runner

■ Application

Temperature controller is used to heat the hot runner system and control the temperature of it, continuously maintaining the required temperature value of the system. It consists of temperature control card, circuit breaker, cabinet, fan, terminal blocks, cables, etc. The temperature control card in the cabinet controls the temperature of the hot runner system and keeps the temperature accurate, being necessary in the application of hot runner molds.

■ Specifications

Zone	Length (mm)	Width (mm)	Height (mm)
zone 1	100	220	280
zone 2	240	390	240
zone 4	380	390	240
zone 6	440	390	240
zone 8	540	390	240
zone 12	410	390	440
zone 24	720	390	440

Features

Standard Function

- LCD Module display
- Inside buzzer
- Over-pressure protector prevents module burnt due to wrong connection
- Detection for thermocouple break and reverse connection
- Fuse break detection
- Percentage output with display
- Dual trigger output(phase/ zero bit)
- Intelligent soft-start function
- Manual output for thermocouple abnormality
- Auto/manual control
- PID temperature control
- Set for output percentage limit
- Dual thermocouple (J/K)
- Dual temperature limit (°C/°F)
- Six kinds of alarm
- Temperature range K TYPE: 32~999°F / J TYPE: 0~600°C

Options

- Current detection function:
  Current display/Heater short circuit protection/Heater break detection/TRIAC short circuit protection
- Infrared ray module:
  One button start (stop)/ heat insulation (heating up)
- Communication module :
  RS485 communication function: mode ASCII and RTU

時序控制器



■ 編碼原則

SH T - xV

- xV → 點數(V表示控制點數)
- T → 時序控制器
- SH → 信舟熱流道

特點

- A、B、AB三種控制模式
- 保壓模式開關(延遲、工作)
- 保壓延遲時間設定
- 保壓時間設定
- 小數點切換
- 顯示模式

■ 應用範圍

時序控制器是用于閥針式熱流道系統時，用以控制熱流道熱咀注塑時間先後的設備。時序控制器能使熱流道系統的各個澆口射膠時間得以控制。

■ 規格表

產品型號		四段控制器	六段控制器	八段控制器
段數		4	6	8
控制箱型號		SHT4V	SHT6V	SHT8V
總開關容量(A)		20	20	20
電磁閥輸出電壓		DC 24V/AC 220V	DC 24V/AC 220V	DC 24V/AC 220V
連接器型號		SIBAS-16P×1	SIBAS-16P×1	SIBAS-16P×1
重量(kg)		18	24	32
尺寸 (mm)	長	340	440	540
	寬	260	260	260
	高	350	350	350

Timing Controller



■ Coding Principles

SH T - xV

- xV → Zones (V Stands For Zones)
- T → Timing Controller
- SH → Shinno Hot Runner

Features

- Three kinds of working mode:A/B/AB
- Switch for holding pressure mode (open/close)
- Time setting for holding pressure delay
- Decimal point switch
- Indicating mode

■ Application

Controller of time and order, which is used in pin-valve hot runner system, is to control the injection sequence of nozzle. It can also control the injection time of all gates in the hot runner system.

■ Specifications

Model		Zones 4	Zones 6	Zones 8
Zone		4	6	8
Casing Type		SHT4V	SHT6V	SHT8V
Power Switch Capacity(A)		20	20	20
Output voltage		DC 24V/AC 220V	DC 24V/AC 220V	DC 24V/AC 220V
Contactor Type		SIBAS-16P×1	SIBAS-16P×1	SIBAS-16P×1
Weight(kg)		18	24	32
Dimension (mm)	Length (mm)	340	440	540
	Width (mm)	260	260	260
	Height (mm)	350	350	350

集成時序控制器
Integrated Timer Controller



最多可控制8個澆口；

調整數值及設置時間，操作簡便；

每個澆口支持多種操作模式（A/B兩種模式）；

即時顯示運行狀態；

關機狀態下， 數據存儲功能啟動；

軟體控制開/關功能；

單個及所有澆口具有手動開/關功能；

電磁閥輸出電壓：AC220V/DC24V（油氣壓電磁閥通用型）；

精確的時間控制（最小0.01秒，最大999秒）；

智能功能，鋁殼一體機箱牢固的設計，良好的散熱；

全系產品均已通過國際CE認證。

8 gates can be controlled;

Adjusting the value and setting time, the operation is simple;

Each gate support A or B operation mode;

Real time display running status;

Shutdown state, the data storage function to start;

Software control on/off function;

Single and all gates with manual on/off function;

Solenoid valve output voltage: AC220V/DC 24V (air or oil pressure solenoid universal);

Precise time control (minimum 0.01 seconds, maximum 999 seconds);

Intelligent function, solid design, good heat dissipation;

CE certification.

東莞信舟熱流道系統有限公司
Shinzo Hot Runner Systems, Inc
Tel：0769-81115788
Fax：0769-81115755
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160Jinlang South Rd, Dalang, Dongguan

信舟熱流道系統報價
Shinzo Hot Runner System Quotation

客户模號： Pattern Number of Customers:		日期： Date:
公司名稱： Company Name:		聯系人： Contact:
公司地址： Company Address:		
電話： Tel:	傳真： Fax:	郵箱： E-mail:
材料/Material: ☐ 玻纖/Glass Fiber _____% ☐ 防火料/Frame Retardant _____ ☐ 其它/Others _____	☐ PP ☐ PE ☐ PS ☐ SB ☐ ABS ☐ POM ☐ SAN ☐ PA6 ☐ PMMA ☐ ASA ☐ CAB ☐ PBT ☐ PA66 ☐ PC/ABS ☐ PPS ☐ PET ☐ PES ☐ PPO ☐ PSU ☐ PEEK ☐ LCP ☐ PEI ☐ PVC	
產品單重： Piece Weight of Product:	產品大小(長×寬×高)： Size of Product(L*W*H):	
單個產品澆口數量： Number of Gate in one product:	壁厚： Wall Thickness:	模腔數量：
澆口類型： Gate Type:	☐ 大水口 Edge Gate ☐ 點澆口 Pin- point Gate ☐ 針閥咀 Pin- valve Nozzle	
顏色： Color:	☐ 透明 Transparency	是否換色： Color Change: ☐ 是 Yes ☐ 否 No
是否需要溫控箱： Temperature Control Box:	☐ 是 Yes ☐ 否 No	進料咀： Feed Nozzle: R=
模具溫度： Temperature of Mold:		生產溫度： Production Temperature:

特殊要求備注： Note:	草圖： Draft:

您提供的信息越詳細，我們報價技術方案更精準
The more detailed information you provide for us, the more accurate quotation scheme we offer