

Complex gripper, flexible assembly

4.2

ROBOTICS PARTS CATALOG



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NANDEE INTER-TRADE CO., LTD.

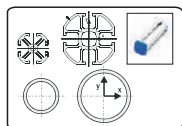
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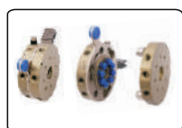
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P-型材、钢管
Profile、SUS Tube



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QCA-圆形自动快换
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Round Quick Changer
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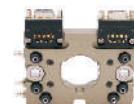
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QCA-方形自动快换
Automatic Quick Changer
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Vacuum Cups
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NEW



SAF-吸盘
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NEW



Compact-真空模组
Vacuum Module
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Air Nipper



N-剪刀本体
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附件

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Signal Boxes
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Junction Box
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真空件

V-真空组件
Vacuum Module

NEW



FGA-吸盘
Vacuum Cup
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吸盘PFG系列 (扁平式) Vacuum Cups PFG Series

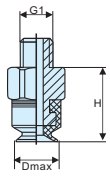
PFYN-2...PFYN3.5

PFG-5...PFG-10

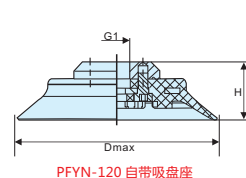
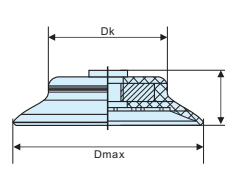
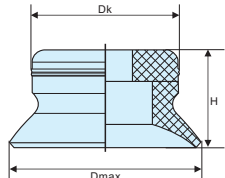
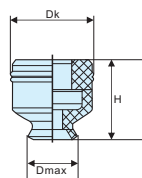
PFG-15...PFG-50

PFG-60...PFG-95

PFYN-120...PFYN-200



PFYN-2 自带吸盘座
PFYN-3.5 自带吸盘座

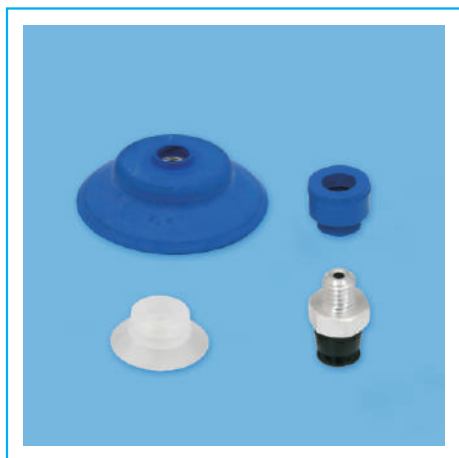


PFYN-120 自带吸盘座
PFYN-150 自带吸盘座
PFYN-200 自带吸盘座

型号 (Model)	吸力 (N) ⁽¹⁾	推荐真空管内径(mm)	G1 (mm)	Dk (mm)	Dmax (mm)	H (mm)	NBR-55 (黑色)	SI-55 (透明)	HT1-60 (蓝色)	重量 (Weight)
PFYN-2-...	0.12	2	M3-M	-	2.5	6.0	1.Y12953	1.Y12972	1.Y12991	1g
PFYN-3.5-...	0.42	2	M3-M	4.2	4.0	6.0	1.Y12954	1.Y12973	1.Y12992	1g
PFG-5-...	0.75	2	-	7.7	5.5	6.5	1.Y12955	1.Y12974	1.Y12993	0.15g
PFG-6-...	1.2	2	-	7.7	6.5	6.5	1.Y12956	1.Y12975	1.Y12994	0.17g
PFG-8-...	2.3	2	-	8.2	9.0	7.0	1.Y12957	1.Y12976	1.Y12995	0.23g
PFG-10-...	4.0	2	-	8.7	11.5	7.5	1.Y12958	1.Y12977	1.Y12996	0.30g
PFG-15-...	9.0	4	-	12.2	17.5	8.0	1.Y12959	1.Y12978	1.Y12997	1g
PFG-20-...	15.5	4	-	15.2	23.0	10.0	1.Y12960	1.Y12979	1.Y12998	1g
PFG-25-...	26.5	4	-	16.2	27.5	14.0	1.Y12961	1.Y12980	1.Y12999	3g
PFG-30-...	34.0	4	-	15.1	31.5	12.0	1.Y12962	1.Y12981	1.Y13000	3g
PFG-35-...	44.0	4	-	20.5	38.0	14.0	1.Y12963	1.Y12982	1.Y13001	6g
PFG-40-...	57.7	4	-	24.3	43.0	14.0	1.Y12964	1.Y12983	1.Y13002	7g
PFG-50-...	91.0	4	-	29.1	53.5	15.0	1.Y12965	1.Y12984	1.Y13003	11g
PFG-60-...	125	6	-	38.7	64.0	18.0	1.Y12966	1.Y12985	1.Y13004	25g
PFG-80-...	260	6	-	52.3	86.0	20.5	1.Y12967	1.Y12986	1.Y13005	52g
PFG-95-...	350	6	-	68.2	102.0	19.0	1.Y12968	1.Y12987	1.Y13006	93g
PFYN-120-...	540	9	G1/2-F	89.5	124	36.5	1.Y12969	1.Y12988	-	223g
PFYN-150-...	842	9	G1/2-F	104.5	158	45.5	1.Y12970	1.Y12989	1.Y13008	391g
PFYN-200-...	1498	9	G1/2-F	142.5	222	50.5	1.Y12971	1.Y12990	-	555g

(1) 上述规定吸力为在真空度为-0.6bar时的理论值，对于表面光滑、干燥的工件而言，未包括安全系数。

(1) The suction specified above is the theoretical value when the vacuum degree is -0.6bar. For smooth and dry workpieces, the safety factor is not included.

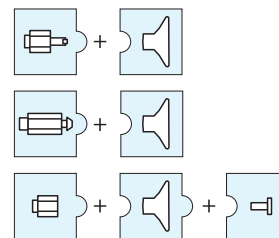


安装方式 Types of assembly

直插式
Factory-crimped fitting:

直插式
Hollow shaft fitting:

分体式
接头和空心螺钉
Removable fitting:
(adapter and hollow screw)



吸盘座 Vacuum Cup Fitting	吸盘 Vacuum Cups
VM29-M5、VM30-G18	PFG-5~PFG-10
VM31-M5、VM32-G18	PFG-15
VM33-M5、VM34-G18	PFG-20
VM35-M5、VM36-G18	PFG-25~PFG-40
VM37-M5、VM38-G18	PFG-50
VM-G14M-M10M	PFG-60~PFG-95

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
SI-55: Translucent Silicone 半透明硅胶	50	+++	-	-	-	-40 to 220	Translucent 半透明
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-25 to 170	Blue 蓝色
NBR-55: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

型材
SUS Tube

支架
Module

快换
Changer

夹具
Module

气动
Nipper

真空
Module

附件
Components

吸盘FGA系列 (波纹管式/2层) Vacuum Cups FGA Series

型材
SUS Tube

支架
Module

快换
Quick Changer

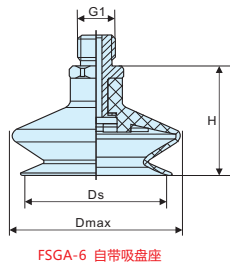
夹具
Module

气动
Air Nipper

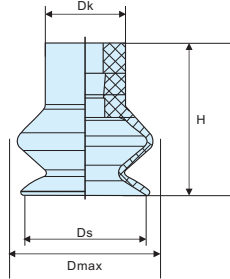
真空
Module

附件
Accessory Components

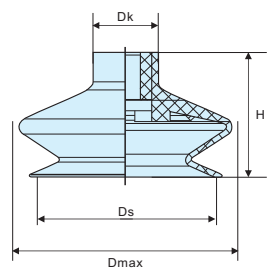
FSGA-6



FGA-11...FGA-25



FGA-33...FGA-78



型号 (Model)	吸力 (N) ⁽¹⁾	拉脱力 (N) ⁽¹⁾⁽²⁾	推荐真空管 内径(mm)	G1 (mm)	Dk (mm)	Dmax(S) (mm)	Ds (mm)	H (mm)	NBR-55 (黑色)	SI-55 (透明)	HT1-60 (蓝色)	重量 (Weight)
FSGA-6-...	0.4	1.4	4	M5-M	-	8.0	5.7	14	1.Y12937	1.Y12949	1.Y12951	2g
FGA-11-...	0.95	3.8	4	-	10	13.0	10.4	16.0	1.Y12938	1.Y12288	1.Y12298	1g
FGA-14-...	1.2	5.0	4	-	10	14.5	12.5	15.5	1.Y12939	1.Y12289	1.Y12299	1g
FGA-16-...	2.3	6.7	4	-	10	18.5	15.6	19.2	1.Y12940	1.Y12290	1.Y12300	1g
FGA-20-...	4.7	10.7	4	-	10	21.0	18.1	15.2	1.Y12941	1.Y12291	1.Y12301	2g
FGA-22-...	5.7	15.2	4	-	10	25.0	21.5	19.0	1.Y12942	1.Y12292	1.Y12302	2g
FGA-25-...	5.3	17.3	4	-	10	26.5	22.5	23.0	1.Y12943	1.Y12293	1.Y12303	3g
FGA-33-...	13.6	39.6	6	-	18	38.0	30.0	27.0	1.Y12944	1.Y12294	1.Y12304	7g
FGA-43-...	22.8	64.5	6	-	18	47.5	38.0	27.6	1.Y12945	1.Y12295	1.Y12305	11g
FGA-53-...	51.3	95	6	-	18	60.0	50.0	34.0	1.Y12946	1.Y12296	1.Y12306	19g
FGA-63-...	85.0	135	6	-	18	68.0	60.0	34.0	1.Y12947	1.Y12297	1.Y12307	24g
FGA-78-...	137.4	218	6	-	25	84.5	74.0	47.0	1.Y12948	1.Y12950	1.Y12952	56g

(1)上述规定吸力为在真空度为-0.6bar时的理论值, 对于表面光滑、干燥的工件而言, 未包括安全系数

(1) The suction specified above is the theoretical value when the vacuum degree is -0.6bar. For smooth and dry workpieces, the safety factor is not included.

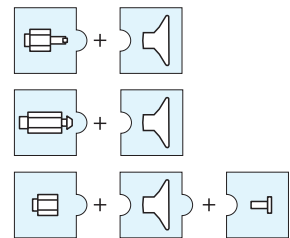
(2)天然橡胶材质的吸盘, 其拉脱力约降低40%。

(2) The pull-off force of the vacuum cup made of natural rubber is reduced by about 40%.



安装方式 Types of assembly

- 直插式
Factory-crimped fitting:
- 直插式
Hollow shaft fitting:
- 分体式
接头和空心螺钉
Removable fitting:
(adapter and hollow screw)

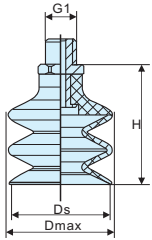


吸盘座 Vacuum Cup Fitting	吸盘 Vacuum Cups
VM18-M5、VM02-G18	FGA-11~FGA-25
VM24-G18	FGA-33~FGA-63
VM41-G14	FGA-78

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-25 to 170	Blue 蓝色
SI-55: Translucent Silicone 半透明硅胶	50	+++	-	+++	-	-40 to 220	Translucent 半透明
NBR-55: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

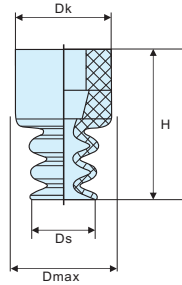
吸盘FG系列 (波纹管式/3层) Vacuum Cups FG Series

FSG-3...FSG-5

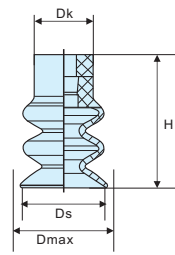


FSG-3 自带接头
FSG-4 自带接头
FSG-5 自带接头

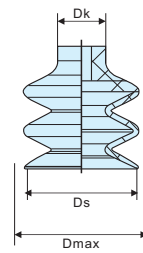
FG-7...FG-9



FG-12...FG-25



FG-32...FG-88



型号 (Model)	吸力 (N) ⁽¹⁾	拉脱力 (N) ⁽¹⁾⁽²⁾	推荐真空管 内径(mm)	G1 (mm)	Dk (mm)	Dmax(S) (mm)	Ds (mm)	H (mm)	NBR-55 (黑色)	SI-55 (透明)	HT1-60 (蓝色)	重量 (Weight)
FSG-3-...	0.2	0.4	2	M3-M	-	4.0	3.0	8.7	1.Y12929	1.Y12931	1.Y12934	1g
FSG-4-...	0.3	0.6	2	M5-M	-	7.0	3.8	19.0	1.Y12930	1.Y12932	1.Y12935	2g
FSG-5-...	0.2	0.8	2	M5-M	-	7.0	5.0	19.0	1.Y12308	1.Y12319	1.Y12331	2g
FG-7-...	0.1	0.9	4	-	9	9.0	5.9	14	1.Y12309	1.Y12320	1.Y12332	1g
FG-9-...	0.7	2.3	4	-	9	9.5	9.0	15	1.Y12310	1.Y12321	1.Y12333	1g
FG-12-...	0.9	3.5	4	-	10	13.0	12.0	21.0	1.Y12311	1.Y12322	1.Y12334	1g
FG-14-...	1.2	5.7	4	-	10	15.5	14.5	22.8	1.Y12312	1.Y12323	1.Y12335	2g
FG-18-...	2.3	8.5	4	-	10	19.0	17.2	22.6	1.Y12313	1.Y12324	1.Y12336	2g
FG-20-...	3.8	12.1	4	-	10	21.0	20.0	22.1	1.Y12314	1.Y12325	1.Y12337	2g
FG-25-...	4.5	19.0	4	-	10	26.0	23.0	34.0	1.Y12315	1.Y12326	1.Y12338	4g
FG-32-...	12.0	36.9	6	-	18	33.5	32	37.5	1.Y12284	1.Y12327	1.Y11797	10g
FG-42-...	13.6	44	6	-	18	45	42.6	46	1.Y12316	1.Y12328	1.Y12340	18g
FG-52-...	27.0	96	6	-	18	55	52.5	48.7	1.Y12317	1.Y12329	1.Y12341	24g
FG-62-...	39.6	137	6	-	18	65	62.2	54	1.Y12318	1.Y12330	1.Y12342	39g
FG-88-...	45.2	286	9	-	25	95.5	89	86.5	1.Y12928	1.Y12933	-	166g

(1) 上述规定吸力为在真空度为-0.6bar时的理论值，对于表面光滑、干燥的工件而言，未包括安全系数

(1) The suction specified above is the theoretical value when the vacuum degree is -0.6bar. For smooth and dry workpieces, the safety factor is not included.

(2) 天然橡胶材质的吸盘，其拉脱力约降低40%。

(2) The pull-off force of the vacuum cup made of natural rubber is reduced by about 40%.

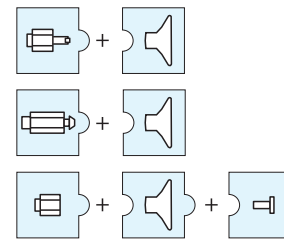


安装方式 Types of assembly

直插式
Factory-crimped fitting:

直插式
Hollow shaft fitting:

分体式
接头和空心螺钉
Removable fitting:
(adapter and hollow screw)



吸盘座 Vacuum Cup Fitting	吸盘 Vacuum Cups
VM39-M5、VM40-G18	FG-7~FG-25
VM24-G18	FG-32~FG-62
VM41-G14	FG-88

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-25 to 170	Blue 蓝色
SI-55: Translucent Silicone 半透明硅胶	50	+++	-	+++	-	-40 to 220	Translucent 半透明
NBR-55: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

型材 / SUS Tube

支架模组
Stents Module

快换
Quick Changer

夹具组件
Grip Module

气动剪刀
Air Nipper

真空组件
Vacuum Module

附件
Accessory Components

吸盘SGON系列 (扁平长方型) Vacuum Cups SGON Series

型材
SUS Tube

支架
模组

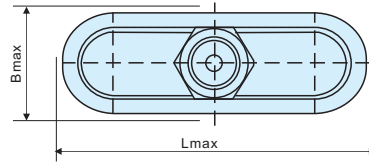
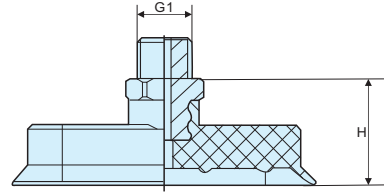
快换

夹具
组件

气动
剪刀

真空
组件

附件
Accessories Components



型号 (Model)	吸力 (N) ⁽¹⁾	推荐真空管内径 (mm)	G1 (mm)	Bmax (mm)	Lmax (mm)	H (mm)	NBR-60 (黑色)	SI-60 (透明)	HTI-60 (蓝色)	重量 (Weight)
SGON-4x2-...	0.42	2	M3-M	2.5	4.5	8	1.Y13068	1.Y13079	1.Y13090	2g
SGON-7x3.5-...	1.0	2	M3-M	4.5	7.5	8	1.Y13069	1.Y13080	1.Y13091	2g
SGON-12x4-...	1.8	2	M5-M	5.0	13.0	18	1.Y13070	1.Y13081	1.Y13092	3g
SGON-15x5-...	3.1	2	M5-M	5.5	15.5	17	1.Y13071	1.Y13082	1.Y13093	3g
SGON-18x6-...	4.5	2	M5-M	7.0	18.5	17	1.Y13072	1.Y13083	1.Y13094	3g
SGON-24x8-...	8.0	4	G1/8-M	9.0	24.5	17	1.Y13073	1.Y13084	1.Y13095	7g
SGON-30x10-...	12.2	4	G1/8-M	11.5	30.5	17	1.Y13074	1.Y13085	1.Y13096	7g
SGON-45x15-...	28.2	6	G1/4-M	16.5	46.0	26	1.Y13075	1.Y13086	1.Y13097	15g
SGON-60x20-...	50.1	6	G1/4-M	22.0	61.0	26	1.Y13076	1.Y13087	1.Y13098	19g
SGON-75x25-...	78.3	6	G1/4-M	27.5	77.0	26	1.Y13077	1.Y13088	1.Y13099	27g
SGON-90x30-...	112.6	6	G1/4-M	33.0	92.5	26	1.Y13078	1.Y13089	-	35g

(1) 上述规定吸力为在真空度为-0.6bar时的理论值，对于表面光滑、干燥的工件而言，未包括安全系数

(1) The suction specified above is the theoretical value when the vacuum degree is -0.6bar. For smooth and dry workpieces, the safety factor is not included.

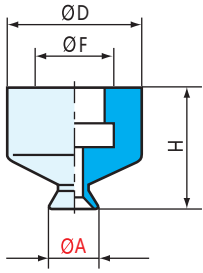
* SGON-24x8 及更大的替换吸盘垫配有专用固定夹。

* SGON-24x8 and larger replacement vacuum cup pads are equipped with special fixing clips.

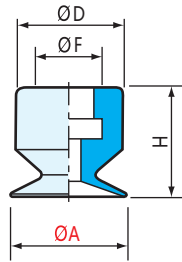
Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
HTI-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-25 to 170	Blue 蓝色
SI-60: Translucent Silicone 半透明硅胶	50	+++	-	+++	-	-40 to 220	Translucent 半透明
NBR-60: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

吸盘VSH系列 (扁平式) Vacuum Cups VSH Series

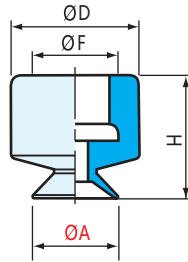
VSH-S2...VSH-S10



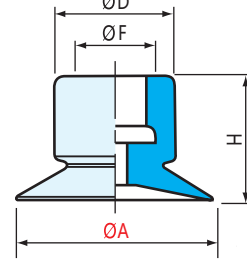
VSH-S12...VSH-S30



VSH-M4...VSH-M10



VSH-M12...VSH-M50



	Δ (N) ⁽¹⁾	∇ (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	ØF(mm)	SI(半透明)	SP(海绵)
VSH-S2	0.5	0.1	2	13	11	7	1.Y07282	-
VSH-S4	0.7	0.2	4	15	11	7	1.Y07283	-
VSH-S6	0.9	0.3	6	11	11	7	1.Y07284	-
VSH-S8	1.1	0.5	8	11	11	7	1.Y07285	-
VSH-S10	1.6	0.8	10	11	11	7	1.Y07286	-
VSH-S12	2.0	1.5	12	11	11	7	1.Y07287	-
VSH-S15	3.7	1.8	15	13	11	7	1.Y07288	-
VSH-S20	6.1	3.0	20	13	12	7	1.Y07289	-
VSH-S25	9.4	4.7	25	13	11	7	1.Y07290	-
VSH-S30	15.9	7.9	30	12	13	7	1.Y07291	-
VSH-M4	0.7	0.2	4	14	15	11	1.Y07292	-
VSH-M6	0.9	0.3	6	15	15	11	1.Y07293	-
VSH-M8	1.1	0.5	8	15	15	11	1.Y07294	-
VSH-M10	1.6	0.8	10	15	15	11	1.Y07295	1.Y12885
VSH-M12	2.0	1.5	12	15	15	11	1.Y07296	1.Y12886
VSH-M15	3.7	1.8	15	15.5	16	11	1.Y07297	1.Y12887
VSH-M20	6.1	3.0	20	15.5	16	11	1.Y07298	1.Y07530
VSH-M25	9.4	4.7	25	15	15	11	1.Y07299	1.Y12888
VSH-M30	15.9	7.9	30	15	16	11	1.Y07300	1.Y07758
VSH-M40	26.7	13.4	40	16	17	11	1.Y07301	1.Y07894
VSH-M50	38.3	19.1	50	15	20	11	1.Y07302	1.Y07895

(1)真空度为65%时吸盘的实际吸附力，建议水平工作时安全系数为2，垂直工作时安全系数为4。

(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.



安装方式

Types of assembly

直插式

Factory-crimped fitting:

直插式

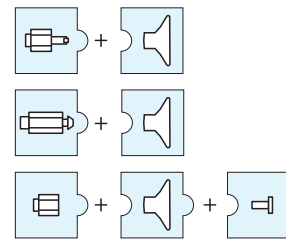
Hollow shaft fitting:

分体式

接头和空心螺钉

Removable fitting:

(adapter and hollow screw)



	吸盘座 Vacuum Cup Fitting		吸盘 Vacuum Cups
	VM11-M5, VM11-G18		VSH-S2~VSH-S30
	VFS 系列金具 (VFS Series Stem)		
	VFST 系列金具 (VFST Series Stem)		
	VM10-G 1/8, VM27-M5		VSH-M4~VSH-M50
	VFM 系列金具 (VFM Series Stem)		
	VFMT 系列金具 (VFMT Series Stem)		

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	Translucent 半透明
SI: Translucent Silicone 半透明硅胶	50	+++	=	-	-	-40 to 220	Translucent 半透明

型材 / SUS Tube

支架模组

快换

夹具组件

气动剪刀

真空组件

附件
Accessory Components

吸盘VSH2系列 (波纹管式/2层) Vacuum Cups VSH2 Series

型材
Profile
SUS Tube
钢管

支架
Stents
模组
Module

快换
Quick
Changer

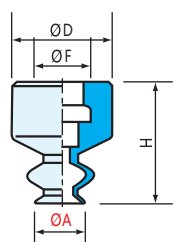
夹具
Grip
组件
Module

气动
Air
剪刀
Nipper

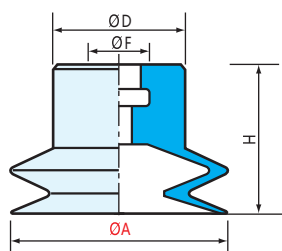
真空
Vacuum
组件
Module

附件
Accessory
Components

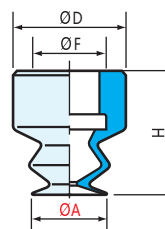
VSH2-S4...VSH2-S20



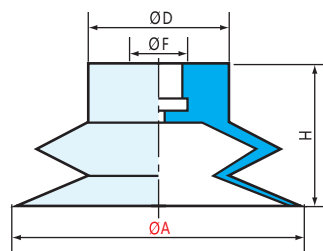
VSH2-S25...VSH2-S30



VSH2-M6...VSH2-M25



VSH2-M30...VSH2-M50



		\uparrow (N) ⁽¹⁾	\uparrow (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	ØF(mm)	SI(半透明)	SP(海绵)
VSH2-S4		0.3	0.1	4	15	12	7	1.Y07303	-
VSH2-S6		0.5	0.2	6	15	12	7	1.Y07304	-
VSH2-S8		1.2	0.7	8	15	12	7	1.Y07305	-
VSH2-S10		1.7	0.9	10	15	12	7	1.Y07306	-
VSH2-S12		2.5	1.3	12	15	12	7	1.Y07307	-
VSH2-S15		2.7	1.3	15	18	15	7	1.Y07308	-
VSH2-S20		5.6	2.8	20	18	15	7	1.Y07309	-
VSH2-S25		7.9	4.0	25	17.5	15	7	1.Y07310	-
VSH2-S30		12	6	30	17.5	15	7	1.Y07311	-
VSH2-M6		0.5	0.2	6	18	15	11	1.Y07312	-
VSH2-M8		1.2	0.7	8	17	15	11	1.Y07313	-
VSH2-M10		1.7	0.9	10	17	15	11	1.Y07314	1.Y08294
VSH2-M12		2.5	1.3	12	17	15	11	1.Y07315	1.Y08295
VSH2-M15		2.7	1.3	15	18	15	11	1.Y07316	1.Y08296
VSH2-M20		5.6	2.8	20	18	15	11	1.Y07317	1.Y07929
VSH2-M25		7.9	4.0	25	18	15	11	1.Y07318	1.Y08349
VSH2-M30		12	6	30	19	18	11	1.Y07319	1.Y08056
VSH2-M35		13.9	6.9	35	19	18	11	1.Y07320	-
VSH2-M40		20.2	10.1	40	22	23	11	1.Y07321	1.Y08104
VSH2-M50		40	20	50	24	24	11	1.Y07322	1.Y08105

(1)真空度为65%时吸盘的实际吸附力，建议水平工作时安全系数为2，垂直工作时安全系数为4。

(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.



安装方式

Types of assembly

直插式

Factory-crimped fitting:

直插式

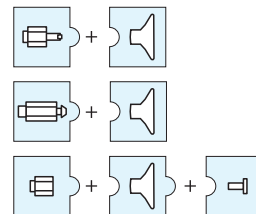
Hollow shaft fitting:

分体式

接头和空心螺钉

Removable fitting:

(adapter and hollow screw)

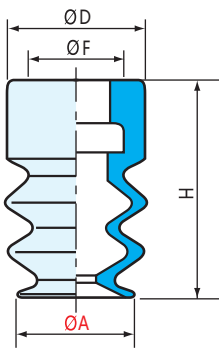


	吸盘座 Vacuum Cup Fitting		吸盘 Vacuum Cups
	VM11-M5、VM11-G18		VSH2-S4~VSH2-S30
	VFS 系列金具 (VFS Series Stem)		
	VFST 系列金具 (VFST Series Stem)		
	VM10-G 1/8、VM27-M5		VSH2-M6~VSH2-M50
	VFM 系列金具 (VFM Series Stem)		
	VFMT 系列金具 (VFMT Series Stem)		

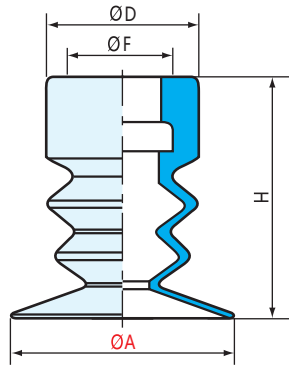
Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	Translucent 半透明
SI: Translucent Silicone 半透明硅胶	50	+++	=	-	-	-40 to 220	Translucent 半透明

吸盘VSH3系列 (波纹管式/3层) Vacuum Cups VSH3 Series

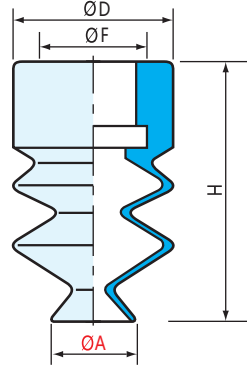
VSH3-S6...VSH3-S8



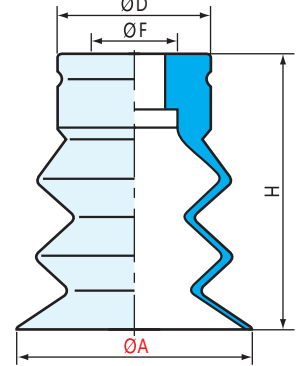
VSH3-S10...VSH3-S15



VSH3-M8...VSH3-M30



VSH3-M40...VSH3-M50



	Δ (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	ØF(mm)	SI(半透明)	SP(海绵)
VSH3-S6	0.5	6	15	10	7	1.Y07323	-
VSH3-S8	1.0	8	15	10	7	1.Y07324	-
VSH3-S10	1.5	10	15	10	7	1.Y07325	-
VSH3-S12	2.8	12	15	10	7	1.Y07326	-
VSH3-S15	3.0	15	16	10	7	1.Y07327	-
VSH3-M8	1.0	8	20	15	11	1.Y07328	-
VSH3-M10	1.5	10	24	15	11	1.Y07329	1.Y09163
VSH3-M12	2.8	12	24	15	11	1.Y07330	1.Y09162
VSH3-M15	3.0	15	24	15	11	1.Y07331	1.Y09161
VSH3-M20	4.6	20	25	15	11	1.Y07332	1.Y08134
VSH3-M25	6.5	25	29	17	11	1.Y07333	1.Y09065
VSH3-M30	12.1	30	35	17	11	1.Y07334	1.Y08167
VSH3-M40	20.5	40	45	20	11	1.Y07335	1.Y08168
VSH3-M50	25	50	43	20	11	1.Y07336	1.Y08234

(1)真空度为65%时吸盘的实际吸附力，建议水平工作时安全系数为2，垂直工作时安全系数为4。

(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.



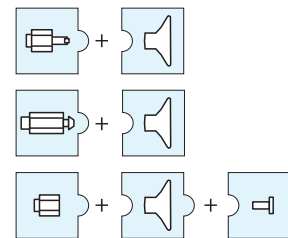
安装方式

Types of assembly

直插式
Factory-crimped fitting:

直插式
Hollow shaft fitting:

分体式
接头和空心螺钉
Removable fitting:
(adapter and hollow screw)



吸盘座 Vacuum Cup Fitting	吸盘 Vacuum Cups
VM11-M5, VM11-G18 VFS 系列金具 (VFS Series Stem) VFST 系列金具 (VFST Series Stem)	VSH3-S6~VSH3-S15
VM10-G 1/8, VM27-M5 VFM 系列金具 (VFM Series Stem) VFMT 系列金具 (VFMT Series Stem)	VSH3-M8~VSH3-M50

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温
SI: Translucent Silicone 半透明硅胶	50	+++	-	-	-	-40 to 220 Translucent 半透明

型材 / SUS Tube

支架模组

快换

夹具组件

气动剪刀

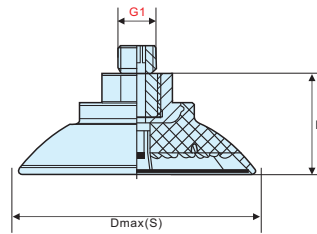
真空组件

附件
Accessory Components

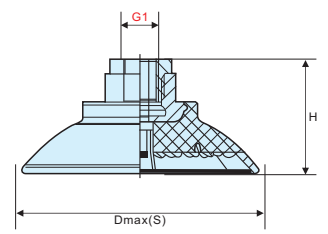
吸盘SAF系列 (扁平式) Vacuum Cups SAF Series

功能：防滑、防油、防水（多用于汽车钣金，玻璃等吸附）

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



SAF...-AG(外牙安装)



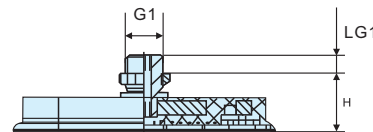
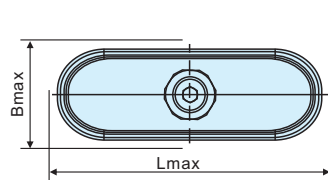
SAF...-IG(内牙安装)

货号 (PN)	型号 (Model)	吸力 (N) ⁽¹⁾	侧向力 (N) ⁽²⁾	推荐真空管内径(mm)	Dmax(S) (mm)	G1 (mm)	H (mm)	LG1 (mm)	重量 (Weight)
1.Y13010	SAF-30-G3/8AG	38	30	4	34	G3/8-M	20	10	17g
1.Y13011	SAF-30-G3/8IG	38	30	4	34	G3/8-F	36	9	43g
1.Y13012	SAF-40-G3/8AG	69	52	4	46	G3/8-M	22	10	19g
1.Y13013	SAF-40-G3/8IG	69	52	4	46	G3/8-F	38	9	45g
1.Y13014	SAF-50-G3/8AG	100	80	4	56	G3/8-M	28	10	40g
1.Y13015	SAF-50-G3/8IG	100	80	4	56	G3/8-F	28	15	31g
1.Y13016	SAF-60-G3/8AG	150	105	6	67	G3/8-M	31	10	46g
1.Y13017	SAF-60-G3/8IG	150	105	6	67	G3/8-F	31	15	37g
1.Y13018	SAF-80-G3/8AG	272	205	6	89	G3/8-M	35	10	65g
1.Y13019	SAF-80-G3/8IG	272	205	6	89	G3/8-F	35	15	56g
1.Y13020	SAF-100-G3/8AG	430	310	6	110	G3/8-M	36	10	76g
1.Y13021	SAF-100-G3/8IG	430	310	6	110	G3/8-F	36	15	67g
1.Y13023	SAF-125-G3/8IG	660	475	9	135	G3/8-F	43	15	146g

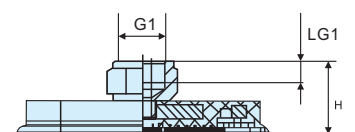
吸盘SAOF系列 (扁平式) Vacuum Cups SAOF Series

功能：防滑、防油、防水（多用于汽车钣金，玻璃等吸附）

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



SAOF...-AG(外牙安装)



SAOF...-IG(内牙安装)

货号 (PN)	型号 (Model)	吸力 (N) ⁽¹⁾	侧向力 (N) ⁽²⁾	推荐真空管内径(mm)	Dmax(S) (mm)	G1 (mm)	H (mm)	LG1 (mm)	Lmax(S) (mm)	重量 (Weight)
1.Y13024	SAOF-50x16-G3/8AG	31	24	4	18	G3/8-M	26	8	52	24g
1.Y13025	SAOF-50x16-G3/8IG	31	24	4	18	G3/8-F	34	9	52	45g
1.Y13026	SAOF-60x23-G3/8AG	57	37	4	25	G3/8-M	18	8	64	21g
1.Y13027	SAOF-60x23-G3/8IG	57	37	4	25	G3/8-F	26	9	64	42g
1.Y13028	SAOF-90x30-G3/8AG	122	96	4	34	G3/8-M	19	8	94	39g
1.Y13029	SAOF-90x30-G3/8IG	122	96	4	34	G3/8-F	27	9	94	60g
1.Y13030	SAOF-80x40-G3/8AG	140	110	4	43	G3/8-M	20	8	85	34g
1.Y13031	SAOF-80x40-G3/8IG	140	110	4	43	G3/8-F	28	9	85	55g
1.Y13032	SAOF-100x50-G3/8AG	217	181	6	54	G3/8-M	22	8	106	63g
1.Y13033	SAOF-100x50-G3/8IG	217	181	6	54	G3/8-F	31	9	106	85g
1.Y13034	SAOF-120x60-G3/8AG	312	254	6	65	G3/8-M	24	8	128	77g
1.Y13035	SAOF-120x60-G3/8IG	312	254	6	65	G3/8-F	33	9	128	99g
1.Y13037	SAOF-140x70-G3/8IG	425	344	6	76	G3/8-F	34	9	149	107g

型材
SUS Tube

支架
Module

快换
Changer

夹具
Module

气动
Nipper

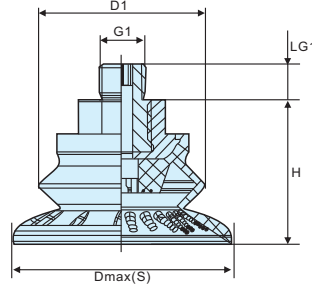
真空
Module

附件
Components

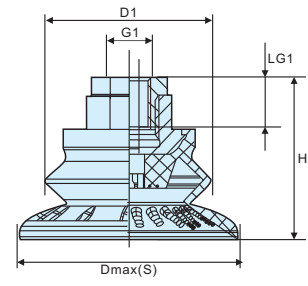
吸盘SAB系列 (波纹管式/2层) Vacuum Cups SAB Series

功能：防滑、防油、防水（多用于汽车钣金，玻璃等吸附）

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



SAB...-AG(外牙安装)



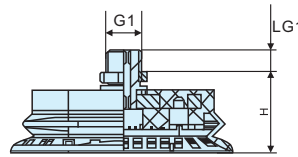
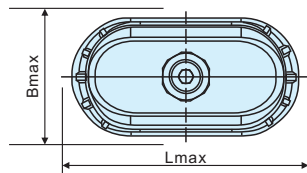
SAB...-IG(内牙安装)

货号 (PN)	型号 (Model)	吸力 (N) ⁽¹⁾	拉脱力 (N) ⁽¹⁾	侧向力 (N) ⁽²⁾	推荐真空管内径(mm)	Dmax(S) (mm)	G1 (mm)	D1 (mm)	H (mm)	LG1 (mm)	重量 (Weight)
1.Y13038	SAB-22-G3/8AG	16	24	18	4	24	G3/8-M	22	25	10	15g
1.Y13039	SAB-22-G3/8IG	16	24	18	4	24	G3/8-F	22	41	9.5	41g
1.Y13040	SAB-30-G3/8AG	22	33	30	4	34	G3/8-M	32	28	10	19g
1.Y13041	SAB-30-G3/8IG	22	33	30	4	34	G3/8-F	32	44	9.5	45g
1.Y13042	SAB-40-G3/8AG	38	59	36	4	45	G3/8-M	32	28.8	10	20g
1.Y13043	SAB-40-G3/8IG	38	59	36	4	45	G3/8-F	32	44.8	9.5	45g
1.Y13044	SAB-50-G3/8AG	53	87	55	4	56	G3/8-M	40	36.9	10	41g
1.Y13045	SAB-50-G3/8IG	53	87	55	4	56	G3/8-F	40	36.9	15	32g
1.Y13046	SAB-60-G3/8AG	82	130	82	6	67	G3/8-M	48	41.3	10	49g
1.Y13047	SAB-60-G3/8IG	82	130	82	6	67	G3/8-F	48	41.3	15	40g
1.Y13048	SAB-80-G3/8AG	135	221	145	6	89	G3/8-M	64	49.9	10	72g
1.Y13049	SAB-80-G3/8IG	135	221	145	6	89	G3/8-F	64	49.9	15	63g
1.Y13050	SAB-100-G3/8AG	190	357	220	6	110	G3/8-M	77	56.6	10	97g
1.Y13051	SAB-100-G3/8IG	190	357	220	6	110	G3/8-F	77	56.6	15	88g
1.Y13052	SAB-125-G3/8AG	250	558	352	9	135	G3/8-M	94	67.8	10	179g
1.Y13053	SAB-125-G3/8IG	250	558	352	9	135	G3/8-F	94	67.8	15	170g

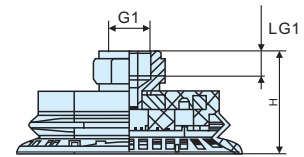
吸盘SAOB系列 (波纹管式长方型/2层) Vacuum Cups SAOB Series

功能：防滑、防油、防水（多用于汽车钣金，玻璃等吸附）

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



SAOB...-AG(外牙安装)



SAOB...-IG(内牙安装)

货号 (PN)	型号 (Model)	吸力 (N) ⁽¹⁾	拉脱力 (N) ⁽¹⁾	侧向力 (N) ⁽²⁾	推荐真空管内径(mm)	Bmax(S) (mm)	Lmax(S) (mm)	G1 (mm)	H (mm)	LG1 (mm)	重量 (Weight)
1.Y13054	SAOB-60x30-G3/8AG	38	70	73	4	33	63	G3/8-M	27.0	8	49g
1.Y13055	SAOB-60x30-G3/8IG	38	70	73	4	33	63	G3/8-F	35.0	9	70g
1.Y13056	SAOB-80x40-G3/8AG	65	132	153	6	43	83	G3/8-M	29.7	8	67g
1.Y13057	SAOB-80x40-G3/8IG	65	132	153	6	43	83	G3/8-F	37.7	9	88g
1.Y13058	SAOB-110x55-G3/8AG	110	234	299	6	59	114	G3/8-M	35.5	8	87g
1.Y13059	SAOB-110x55-G3/8IG	110	234	299	6	59	114	G3/8-F	43.5	9	109g
1.Y13061	SAOB-140x70-G3/8IG	165	355	473	6	75	146	G3/8-F	47.5	9	142g

型材 / SUS Tube

支架模组

快换

夹具组件

气动剪刀

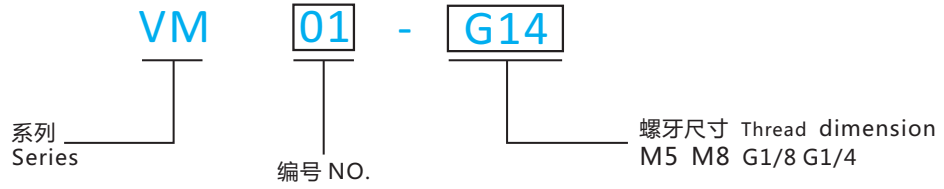
真空组件

附件

吸盘座 Vacuum Cup Fitting

型号表示方法

Model representation methods



吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y00703	7.Y00709	7.Y00768
型号(Model)	VM02-G18	VM04-G14	VM06-G14
重量(Weight)	3.5g	7.0g	9.7g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y00767	1.Y05275	1.Y05274
型号(Model)	VM07-G18	VM08-M8	VM09-M5
重量(Weight)	3.3g	8.3g	1.4g

型材
SUS Tube

支架
Stents Module

快换
Quick Changer

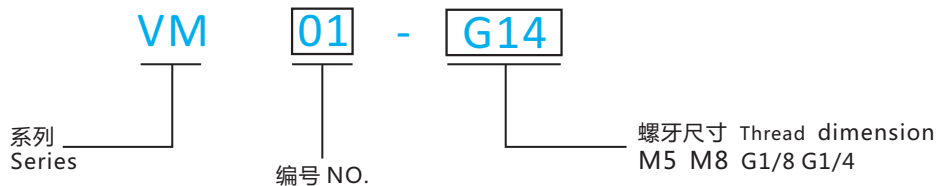
夹具
Grip Module

气动
Air Nipper

真空
Vacuum Module

附件
Accessory Components

吸盘座 Vacuum Cup Fitting



吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y00902	1.Y05327	1.Y12762
型号(Model)	VM10-G18	VM11-M5	VM11-G18
重量(Weight)	3.7g	2.0g	2.5g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y00762	7.Y00761	7.Y00760
型号(Model)	VM12-M5	VM13-M5	VM14-M5
重量(Weight)	1.2g	0.7g	0.5g

型材
SUS Tube

支架模组
Stents Module

快换
Quick Changer

夹爪组件
Grip Module

气动剪刀
Air Nipper

真空组件
Vacuum Module

附件
Accessory Components

吸盘座 Vacuum Cup Fitting

型材 / SUS Tube

支架模组

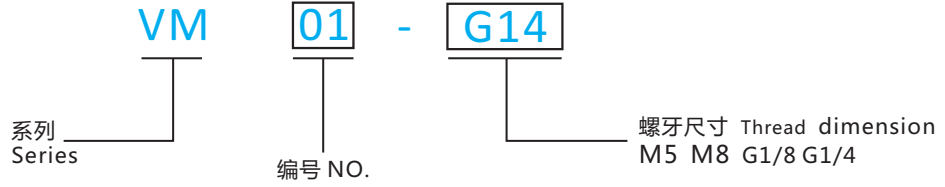
快换

夹具组件

气动剪刀

真空组件

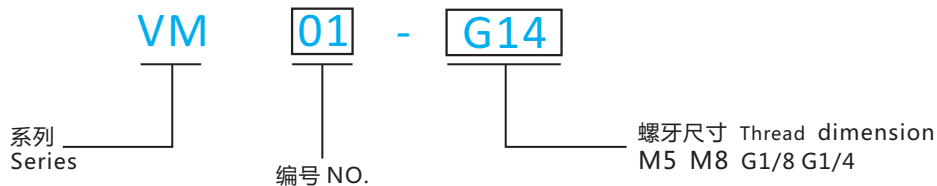
附件



吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y00759	7.Y00758	7.Y00757
型号(Model)	VM15-G18	VM16-G18	VM17-G18
重量(Weight)	17.8g	3.8g	2.9g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	1.Y05314	4.Y00058	1.Y01986
型号(Model)	VM18-M5	VM20-G14	VM21-M5
重量(Weight)	4.6g	9.5g	1.8g

吸盘座 Vacuum Cup Fitting



吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	1.Y05790	7.Y00900	7.Y00898
型号(Model)	VM22-M5	VM23-G18	VM24-G18
重量(Weight)	2.9g	8.9g	5.5g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y00928	1.Y01097	7.Y00475
型号(Model)	VM25-M3	VM27-M5	VM28-M8
重量(Weight)	0.2g	6.2g	1.9g

型材
SUS Tube

支架
Module

快换
Changer

夹具
Module

气动
Nipper

真空
Module

附件
Components

吸盘座 Vacuum Cup Fitting

型
材
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SUS Tube

支
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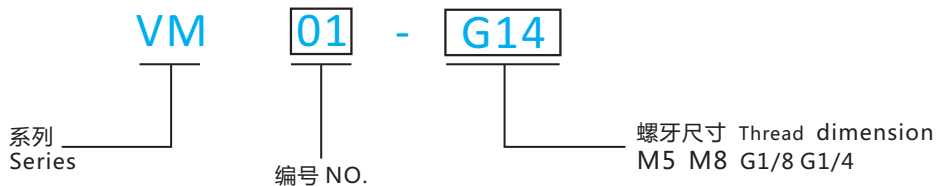
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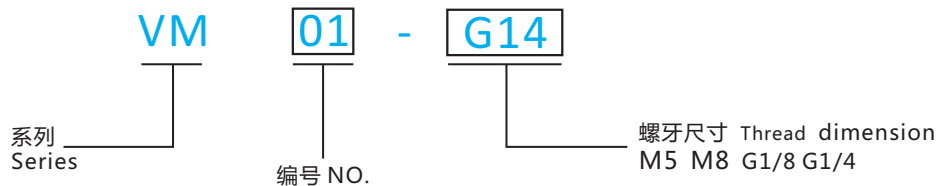
附
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吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y01036	7.Y01037	7.Y01038
型号(Model)	VM29-M5	VM30-G18	VM31-M5
重量(Weight)	1.1g	1.3g	3.8g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y01039	7.Y01040	7.Y01041
型号(Model)	VM32-G18	VM33-M5	VM34-G18
重量(Weight)	4.1g	4.0g	4.3g

吸盘座 Vacuum Cup Fitting



吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y01042	7.Y01043	7.Y01044
型号(Model)	VM35-M5	VM36-G18	VM37-M5
重量(Weight)	3.4g	3.7g	4.3g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y01045	7.Y01046	7.Y01047
型号(Model)	VM38-G18	VM39-M5	VM40-G18
重量(Weight)	4.7g	3.8g	4.1g

型材
SUS Tube

支架模组
Stents Module

快换
Quick Changer

夹模组
Grip Module

气动剪刀
Air Nipper

真空组件
Vacuum Module

附件
Accessory Components

吸盘座 Vacuum Cup Fitting

型材 / SUS Tube

支架模组

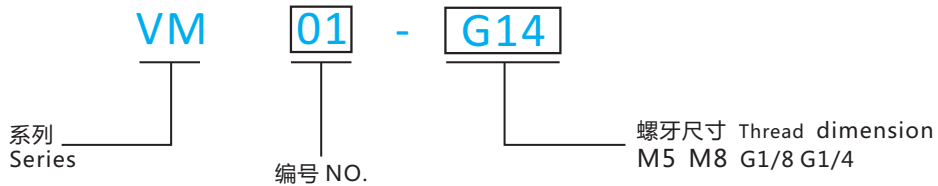
快换


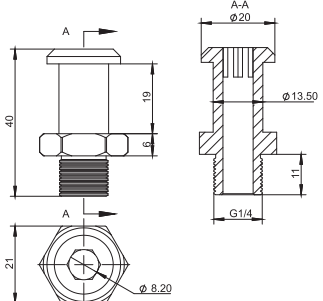
夹具组件

气动剪刀

真空组件

附件

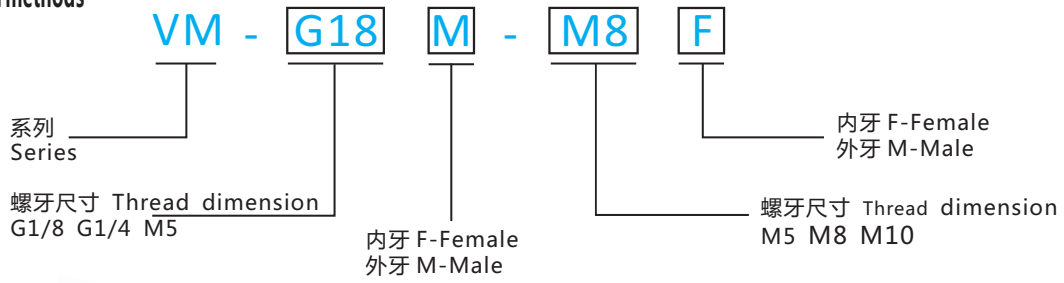


吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
货号(PN)	7.Y01048		
型号(Model)	VM41-G14		
重量(Weight)	14g		

吸盘金具转接头 Vacuum Cup Connector

型号表示方法

Model representation methods



吸盘金具转接头 Vacuum Cup Connector			
尺寸 Dimension			
货号(PN)	7.Y00808	7.Y00756	7.Y00755
型号(Model)	VM-G18M-M10M	VM-G14M-M10M	VM-G18M-M5F
重量(Weight)	4.5g	4.7g	2.9g

吸盘金具转接头 Vacuum Cup Connector			
尺寸 Dimension			
货号(PN)	7.Y00754	7.Y00473	7.Y00474
型号(Model)	VM-G18M-M8F	VM-M5M-M8F	VM-M5M-G18F
重量(Weight)	6.2g	5.6g	4.9g

型材
SUS Tube

支架
Module

快换
Changer

夹具
Module

气动
Nipper

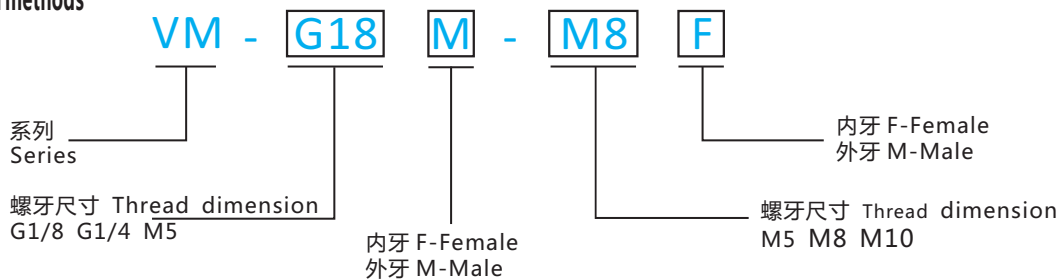
真空
Module

附件
Accessories Components

吸盘金具转接头 Vacuum Cup Connector

型号表示方法

Model representation methods



吸盘金具 转接头 Vacuum Cup Connector			
尺寸 Dimension			
货号(PN)	7.Y00476		
型号(Model)	VM-G14M-M8F		
重量(Weight)	6.7g		

型材
SUS Tube

支架
Module

快换
Changer

夹具
Module

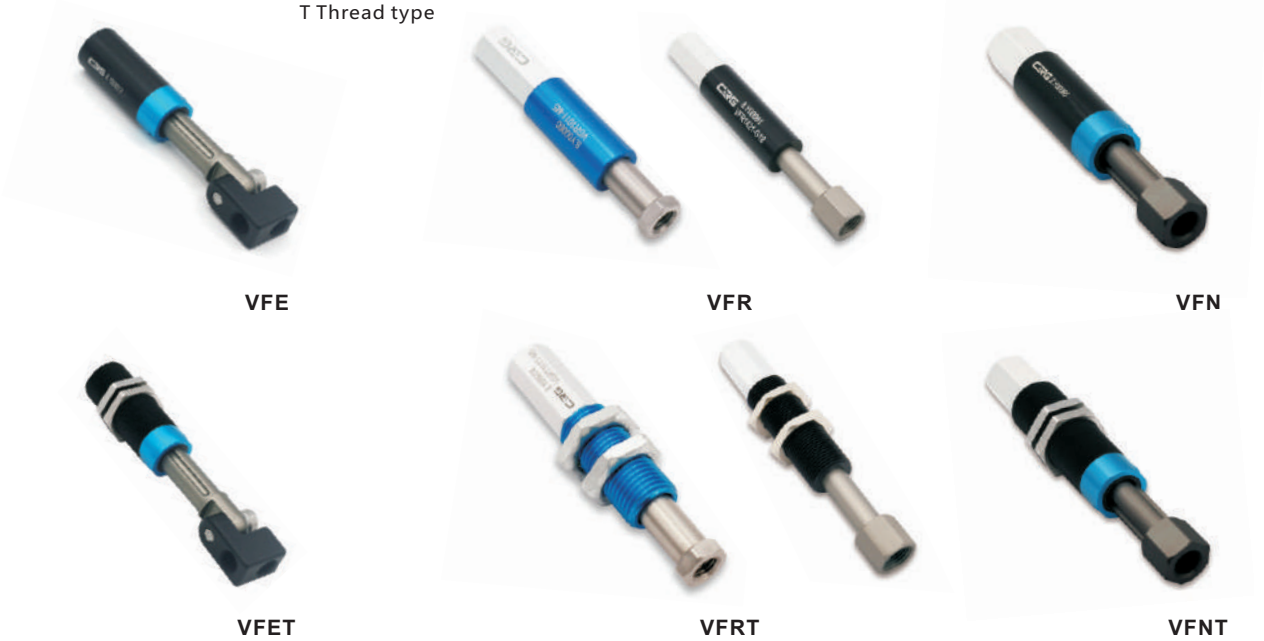
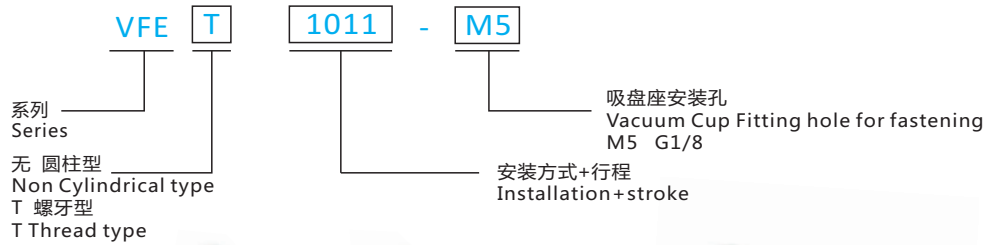
气动
Nipper

真空
Module

附件
Components

真空吸盘悬件 Vacuum Cup Suspensions

型号表示方法 Model representation methods



当机械手移动时，这些悬件可用来保持吸盘的位置。
 CRG 为塑料应用提供了广泛的独特设计。
 它们一般通过固定支架安装在刀具上。

The suspensions (or buffers, or level compensators) are used to keep the suction cups in position as the robot approaches.
 CRG offers a range specifically designed for Plastics applications.
 They are typically mounted on EAOTs (End Of Arm Toolings) with Mounting brackets.

带平滑主体的悬件 Suspensions with smooth body

- VFR
- VFN
- VFE



带螺纹主体的悬件 Suspensions with threaded body

- VFRT
- VFNT
- VFET



非可旋转悬件 Non-rotative suspensions

- VFN
- VFNT
- VFE
- VFET



可旋转悬件 Rotative suspensions

- VFR
- VFRT



型材 / SUS Tube

支架模组

快换

夹具组件

气动剪刀

真空组件

附件

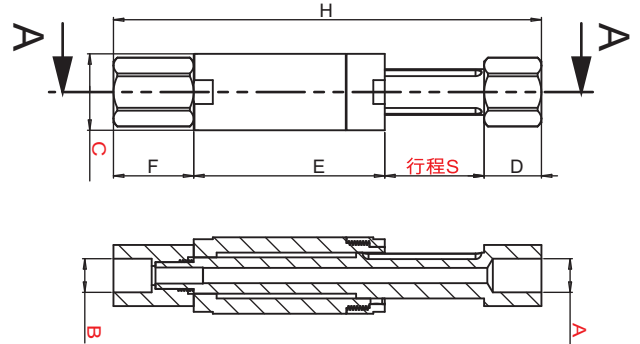
非可旋转悬件 Non-rotative Suspensions

型材 SUS Tube
钢管

主体和杆由阳极铝制成。
拥有高负载能力的非可旋转杆。
压力范围：-1 ~ 8 bar。

Body and rod in anodized aluminum.
Non-rotative rod with high load capability.
Pressure range: -1 ~ 8 bar.

支架模组
Stents Module

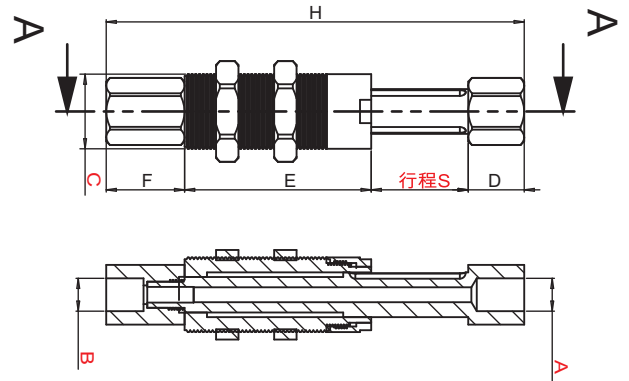


快换
Quick Changer

夹具组件
Grip Module

货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00064	VFN1011-M5	M5	M5	Ø10	10	22	17	8	60	11	7g
8.Y00321	VFN1021-M5	M5	M5	Ø10	10	41	17	8	89	21	11g
8.Y00065	VFN1421-G18	G1/8	G1/8	Ø14	12	40	20	12	93	21	24g
8.Y00322	VFN1436-G18	G1/8	G1/8	Ø14	12	60	20	12	128	36	44g
8.Y00066	VFN2026-G18	G1/8	G1/8	Ø20	15	50	21	16	112	26	54g
8.Y00067	VFN2051-G18	G1/8	G1/8	Ø20	15	84	21	16	171	51	80g

气动剪刀
Air Nipper



真空组件
Vacuum Module

附件
Accessory Components

货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00068	VFNT1011-M5	M5	M5	M10*1	10	22	17	8	60	11	12g
8.Y00323	VFNT1021-M5	M5	M5	M10*1	10	41	17	8	89	21	39g
8.Y00204	VFNT1421-G18	G1/8	G1/8	M14*1	12	40	20	12	93	21	51g
8.Y00383	VFNT1621-G18	G1/8	G1/8	M16*1	12	40	20	12	93	21	64g
8.Y00324	VFNT1436-G18	G1/8	G1/8	M14*1	12	60	20	12	128	36	72g
8.Y00384	VFNT1636-G18	G1/8	G1/8	M16*1	12	60	20	12	128	36	76g
8.Y00205	VFNT2026-G18	G1/8	G1/8	M20*1	15	50	21	16	112	26	82g
8.Y00206	VFNT2051-G18	G1/8	G1/8	M20*1	15	84	21	16	171	51	120g

可旋转悬件 Rotative Suspensions

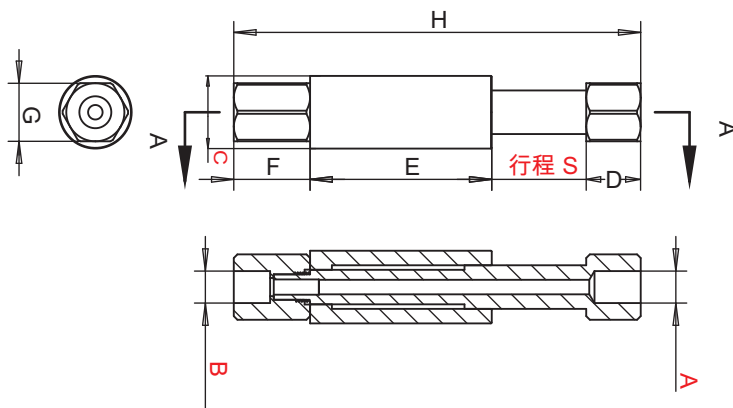
主体和杆由阳极铝制成。
可旋转杆。
压力范围：-1 ~ 8 bar。

Body and rod in anodized aluminum.
Rotative rod.
Pressure range: -1 ~ 8 bar.



M5为蓝色
M5 is blue

G1/8为黑色
G1/8 is black

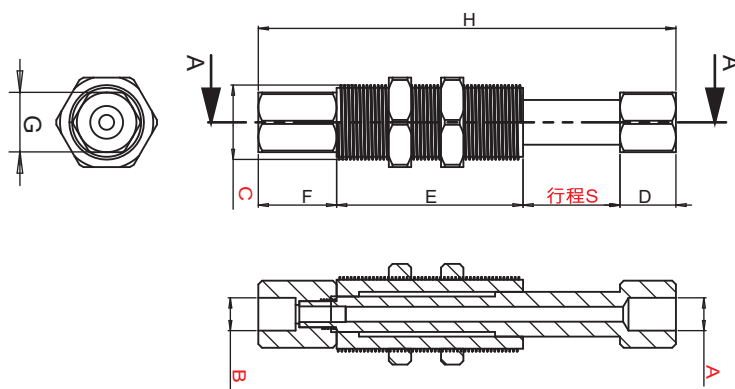


货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00060	VFR1011-M5	M5	M5	Ø10	3	22	17	8	53	11	11g
8.Y00325	VFR1021-M5	M5	M5	Ø10	3	41	17	8	82	21	17g
8.Y00061	VFR1421-G18	G1/8	G1/8	Ø14	12	40	20	12	93	21	23g
8.Y00326	VFR1436-G18	G1/8	G1/8	Ø14	12	60	20	12	128	36	40g
8.Y00062	VFR2026-G18	G1/8	G1/8	Ø20	15	50	21	16	112	26	50g
8.Y00063	VFR2051-G18	G1/8	G1/8	Ø20	15	84	21	16	171	51	77g



M5为蓝色
M5 is blue

G1/8为黑色
G1/8 is black



货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00074	VFRT1011-M5	M5	M5	M10*1	3	22	17	8	53	11	14g
8.Y00327	VFRT1021-M5	M5	M5	M10*1	3	41	17	8	82	21	26g
8.Y00075	VFRT1421-G18	G1/8	G1/8	M14*1	12	40	20	12	93	21	32g
8.Y00381	VFRT1621-G18	G1/8	G1/8	M16*1	12	40	20	12	93	21	36g
8.Y00328	VFRT1436-G18	G1/8	G1/8	M14*1	12	60	20	12	128	36	60g
8.Y00382	VFRT1636-G18	G1/8	G1/8	M16*1	12	60	20	12	128	36	65g
8.Y00076	VFRT2026-G18	G1/8	G1/8	M20*1	15	50	21	16	112	26	70g
8.Y00077	VFRT2051-G18	G1/8	G1/8	M20*1	15	84	21	16	171	51	104g

型材 / SUS Tube

支架模组
Stents Module

快换
Quick Changer

夹组件
Grip Module

气动剪刀
Air Nipper

真空组件
Vacuum Module

附件
Accessory Components

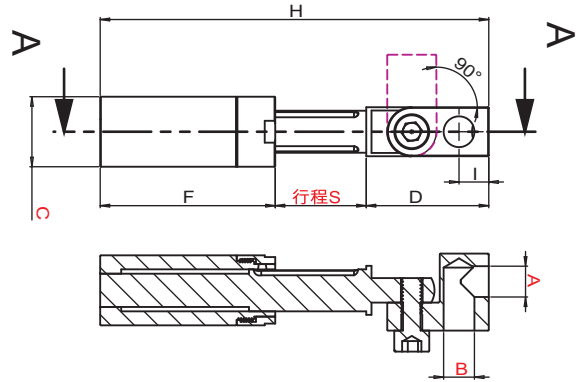
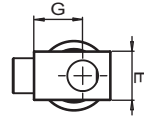
带集成弯臂的非可旋转悬件 Non-rotative Suspensions With Integral Elbow Arms

型材 SUS Tube
钢管

可在 0° 和 +/-90°之间不断设置角度。
外部供气。
主体和杆由阳极铝制成。
拥有高负载能力的非可旋转杆。
压力范围： -1 ~ 8 bar。

It is possible to set continuously the angle between 0° and +/-90°.
External air feeding.
Body and rod in anodized aluminum.
Non-rotative rod with high load capability.
Pressure range: -1 ~ 8 bar.

支架模组
Stents Module

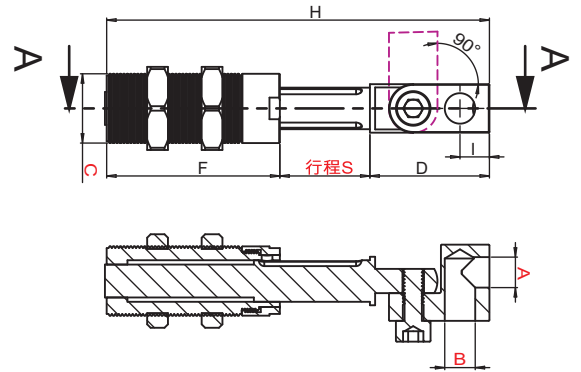
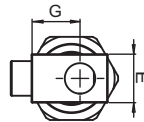


快换
Quick Changer

夹具组件
Grip Module

货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00070	VFE1011-M5	M5	M5	Ø10	20	8	22	8	53	11	12g
8.Y00371	VFE1021-M5	M5	M5	Ø10	20	8	41	8	81	21	16g
8.Y00071	VFE1421-G18	G1/8	G1/8	Ø14	32	14	40	14	93	21	45g
8.Y00372	VFE1436-G18	G1/8	G1/8	Ø14	32	14	60	14	128	36	48g
8.Y00072	VFE2026-G18	G1/8	G1/8	Ø20	35	14	50	14	111	26	70g
8.Y00073	VFE2051-G18	G1/8	G1/8	Ø20	35	14	84	14	169.5	51	105g

气动剪刀
Air Nipper



真空组件
Vacuum Module

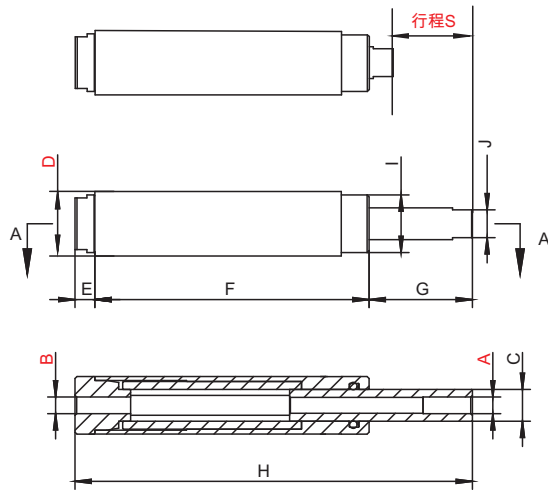
附件
Accessory Components

货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00069	VFET1011-M5	M5	M5	M10*1	20	8	22	8	53	11	15g
8.Y00374	VFET1021-M5	M5	M5	M10*1	20	8	41	8	81	21	24g
8.Y00228	VFET1421-G18	G1/8	G1/8	M14*1	32	14	40	14	93	21	57g
8.Y00379	VFET1621-G18	G1/8	G1/8	M16*1	32	14	40	14	93	21	64g
8.Y00375	VFET1436-G18	G1/8	G1/8	M14*1	32	14	60	14	128	36	80g
8.Y00380	VFET1636-G18	G1/8	G1/8	M16*1	32	14	60	14	128	36	85g
8.Y00229	VFET2026-G18	G1/8	G1/8	M20*1	35	14	50	14	111	26	88g
8.Y00230	VFET2051-G18	G1/8	G1/8	M20*1	35	14	84	14	169.5	51	125g

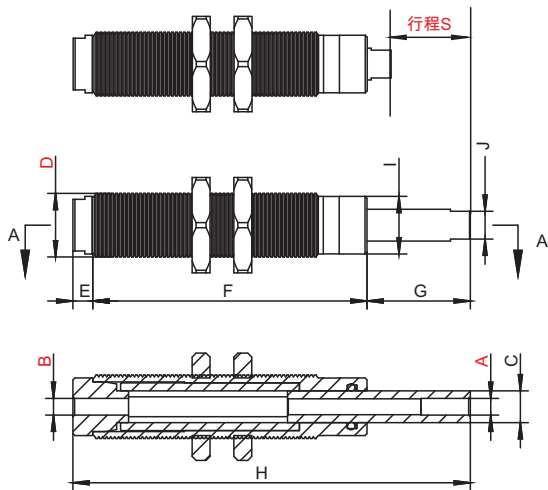
配管固定的非可旋转悬件 Non-rotating suspension for fixed piping

产品采用阳极铝制成。
内置防转塑料活塞。
内置伸缩功能弹簧复位，
尾部真空进气固定式设计。

The product is made of anodic aluminium.
Built-in anti-rotation plastic piston.
Built-in telescopic function of spring reset,
tail vacuum intake fixed design.



货号(PN)	型号(Model)	A	B	C	D	E	F	G	H	I	J	S	Weight(g)
8.Y00313	VFC2030-G18	G1/8	G1/8	Φ13	Φ20	8	85	40	133	Φ18	12	30	60



货号(PN)	型号(Model)	A	B	C	D	E	F	G	H	I	J	S	Weight(g)
8.Y00277	VFCT1620-M5	M5	M5	Φ8	M16X1.0	5	69	26	100	Φ14.5	7	20	42.7
8.Y00314	VFCT2030-G18	G1/8	G1/8	Φ13	M20X1.0	8	85	40	133	Φ18	12	30	80

型材
SUS Tube

支架
Module

快换
Quick Changer

夹具
Grip Module

气动
Air Nipper

真空
Vacuum Module

附件
Accessory Components

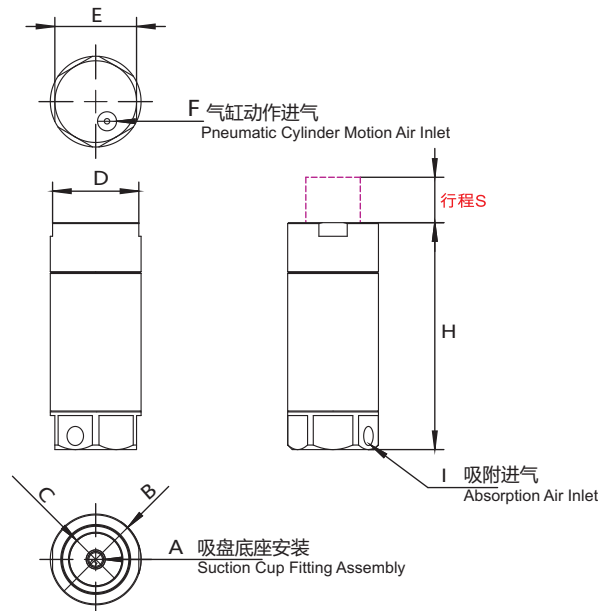
气动吸附金具 The Adsorption Of Pneumatic Fittings

型材
SUS Tube

支架
Module

快换
Changer

夹具
Module



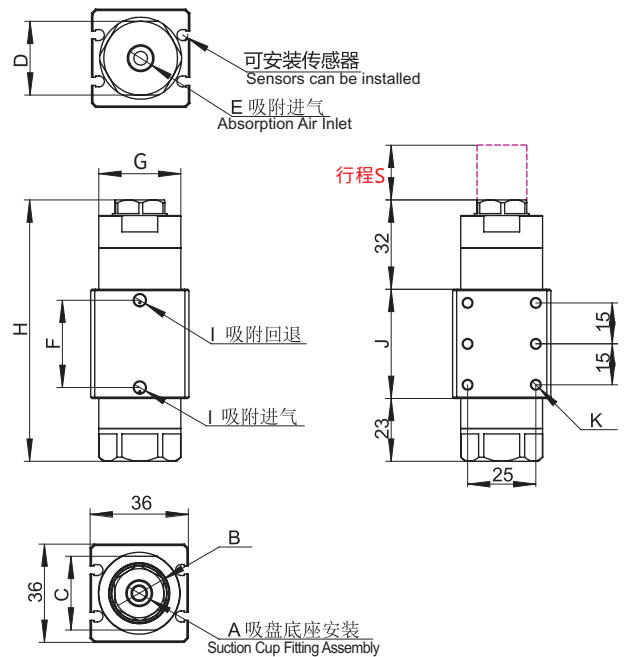
货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	I(mm)	S(mm)	Weight
8.Y00207	VFG20-10	M5	Φ20	Φ12	19	18	M5	50	M5	10	35g
8.Y00337	VFG20-20	M5	Φ20	Φ12	19	18	M5	65	M5	20	45g
8.Y00338	VFG30-20	G1/8	Φ30	Φ20	27	27	G1/8	72	G1/8	20	70g

双动吸附金具 Double action adsorption fittings

气动
Nipper

真空
Module

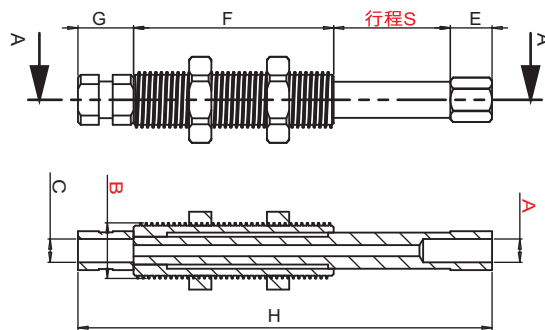
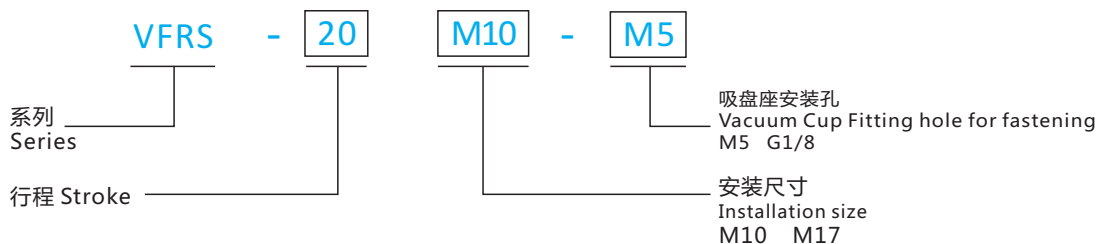
附件
Components



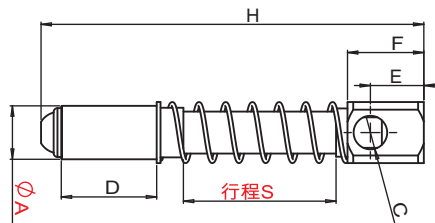
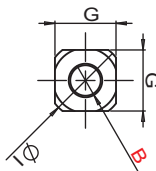
货号(PN)	型号(Model)	A	B	C	D	E	F	G	H	I	J	K	S	Weight
8.Y00451	VFGD30-20	G1/8	Φ20	27	27	G1/8	32	Φ30	95	M5	40	M4	20	198.2g

吸着金具 Suction Stems

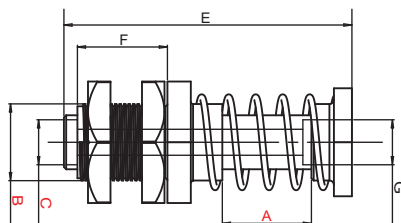
型号表示方法 Model representation methods



货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
4.Y00026	VFRS-20M10-M5	M5	M10*1	M5	14	7	36	10	73.5	20	27g
4.Y00023	VFRS-20M16-G18	G1/8	M16*1	G1/8	21	4	36	15	77	20	76g



货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
1.Y01452	VFM-4014-G18	Ø14	G1/8	G1/8	25	14	20	16	100	Ø20	40	48g
1.Y01451	VFM-2020-G14	Ø20	G1/4	G1/8	48	15	26	22	113	Ø27	20	136g



货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	Weight(g)
1.Y01453	VFL-20M17-G18	20	M17*1	G1/8	27	64	20	G1/8	119g

型材
钢管
Profile
SUS Tube

支架
模组
Stents
Module

快换
Quick
Changer

夹具
组件
Grip
Module

气动
剪刀
Air
Nipper

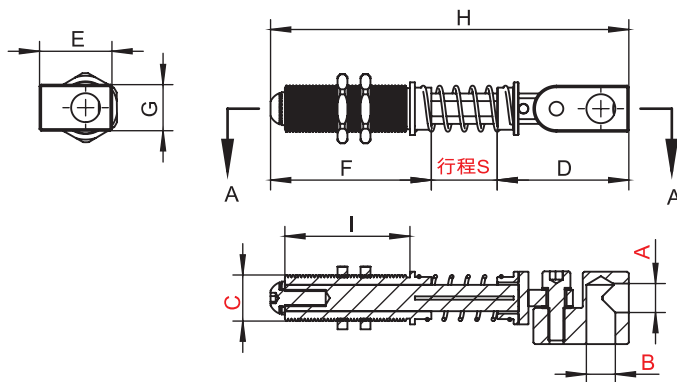
真空
组件
Vacuum
Module

附件
Accessory
Components

吸着金具 Suction Stems

型材
SUS Tube

支架
Module

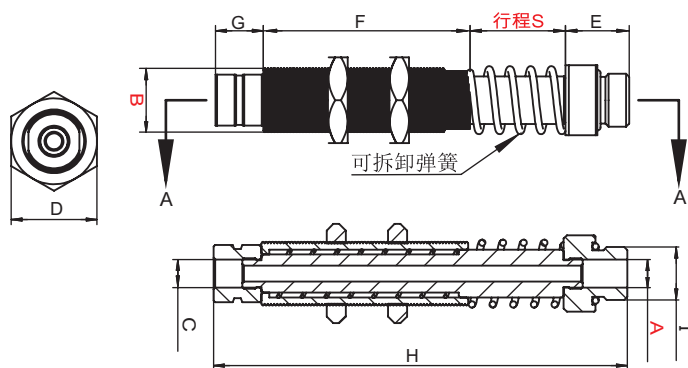


货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
8.Y00319	VFMT-20M14-G18	G1/8	G1/8	M14X1.0	40	22	49	14	109	38	20	97g
8.Y00320	VFMT-40M14-G18	G1/8	G1/8	M14X1.0	40	22	64	14	144	50	40	123g

快换
Quick Changer

夹具
Module

NEW



货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
8.Y00409	VFHT-30M20-G38F-G18M	G1/8	M20*1	G1/8	27	20	65	15	130	G3/8	30	260g

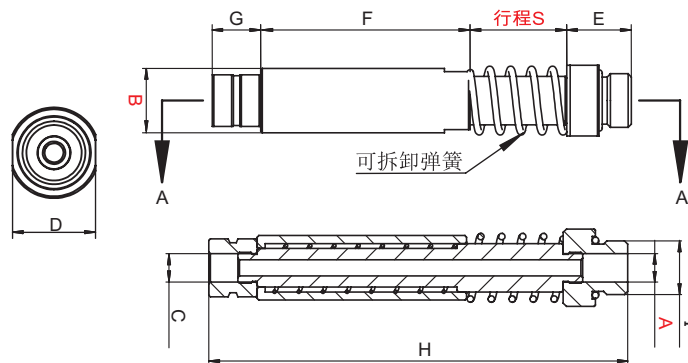
*安装单弹簧时,所能承受的压力为7N-18N。安装双弹簧时,所能承受的压力为60N-150N

*When installing a single spring, the pressure it can bear is 7N-18N. When installing the double spring, the pressure that can bear is 60N-150N.

气动
剪刀

真空
Module

NEW



货号(PN)	型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
8.Y00410	VFH-30M20-G38F-G18M	G1/8	Ø20	G1/8	22	20	65	15	130	G3/8	30	235g

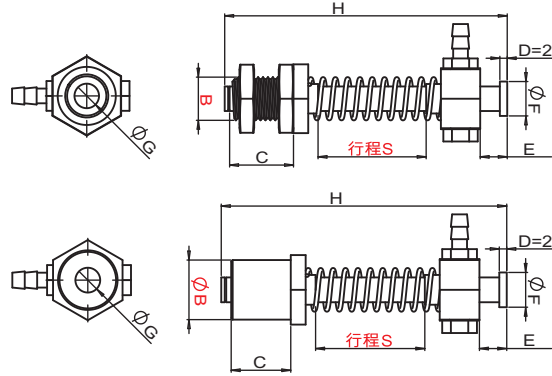
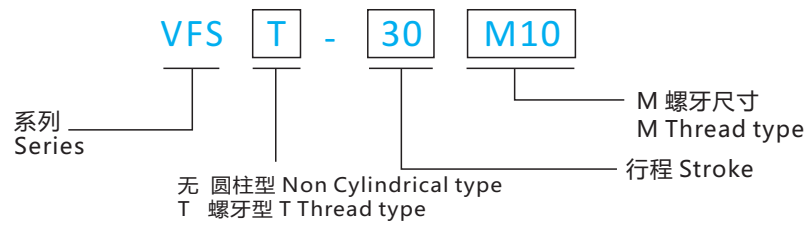
*安装单弹簧时,所能承受的压力为7N-18N。安装双弹簧时,所能承受的压力为60N-150N

*When installing a single spring, the pressure it can bear is 7N-18N. When installing the double spring, the pressure that can bear is 60N-150N.

附件
Accessory Components

吸着金具 Suction Stems

型号表示方法 Model representation methods



货号(PN)	型号(Model)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
8.Y00283	VFST-5M10	M10*1	18	5.5	Ø7	Ø3.4	49	5	14g
8.Y00284	VFST-10M10	M10*1	18	5.5	Ø7	Ø3.4	54	10	15g
8.Y00285	VFST-20M10	M10*1	18	5.5	Ø7	Ø3.4	64	20	15g
8.Y00286	VFST-30M10	M10*1	18	5.5	Ø7	Ø3.4	74	30	16g
8.Y00287	VFS-0508	Ø8	18	5.5	Ø7	Ø3.4	49	5	9g
8.Y00288	VFS-0512	Ø12	18	5.5	Ø7	Ø3.4	49	5	13g
8.Y00289	VFS-1008	Ø8	18	5.5	Ø7	Ø3.4	54	10	9g
8.Y00007	VFS-1012	Ø12	18	5.5	Ø7	Ø3.4	54	10	14g
8.Y00290	VFS-2008	Ø8	18	5.5	Ø7	Ø3.4	64	20	10g
8.Y00008	VFS-2012	Ø12	18	5.5	Ø7	Ø3.4	64	20	14g
8.Y00291	VFS-3008	Ø8	18	5.5	Ø7	Ø3.4	74	30	11g
8.Y00292	VFS-3012	Ø12	18	5.5	Ø7	Ø3.4	74	30	15g
8.Y00293	VFMT-5M12	M12*1	18	9	Ø11	Ø4.6	52.5	5	20g
8.Y00294	VFMT-10M12	M12*1	18	9	Ø11	Ø4.6	57.5	10	21g
8.Y00295	VFMT-20M12	M12*1	18	9	Ø11	Ø4.6	67.5	20	22g
8.Y00296	VFMT-30M12	M12*1	18	9	Ø11	Ø4.6	77.5	30	24g
8.Y00297	VFM-0512	Ø12	18	9	Ø11	Ø4.6	52.5	5	15g
8.Y00298	VFM-0520	Ø20	18	9	Ø11	Ø4.6	52.5	5	29g
8.Y00299	VFM-1012	Ø12	18	9	Ø11	Ø4.6	57.5	10	16g
8.Y00300	VFM-1020	Ø20	18	9	Ø11	Ø4.6	57.5	10	29g
8.Y00301	VFM-2012	Ø12	18	9	Ø11	Ø4.6	67.5	20	18g
8.Y00302	VFM-2020	Ø20	18	9	Ø11	Ø4.6	67.5	20	31g
8.Y00303	VFM-3012	Ø12	18	9	Ø11	Ø4.6	77.5	30	19g
8.Y00304	VFM-3020	Ø20	18	9	Ø11	Ø4.6	77.5	30	32g

型材 / SUS Tube

支架模组
Stents Module

快换
Quick Changer

夹组件
Grip Module

气动剪刀
Air Nipper

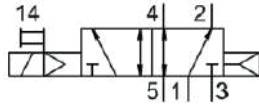
真空组件
Vacuum Module

附件
Accessory Components

电磁阀 VUVG-LK 管式阀 Solenoid Valve VUVG-LK

单个管式阀 VUVG-LK, 24VDC, 内先导, 接线盒H2 带0.5米电缆

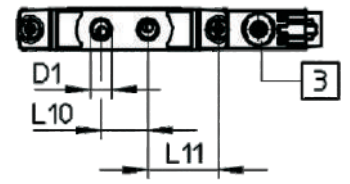
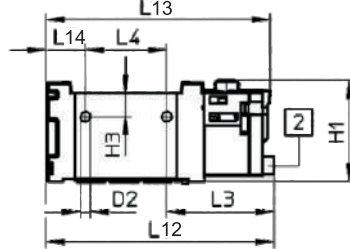
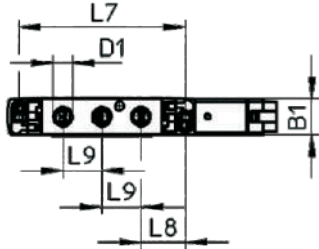
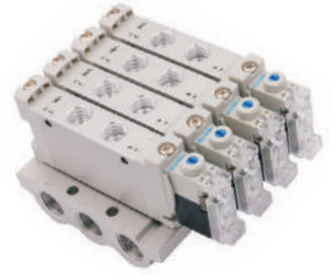
Single pipe valve VUVG-LK, 24VDC, Inner leader H2 Junction box with 0.5m cable



M52, 两位五通, 单电控, 气复位
M52 Two-position five-way single electronic control air reset

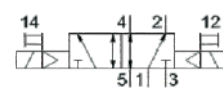


附件 密封垫 (一包10个) accessory seal a pack of ten



2 水平电接口 3 手控按钮
2 horizontal electrical interface 3 manual button

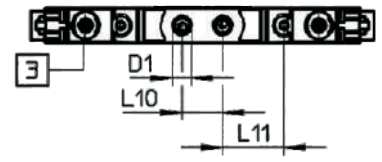
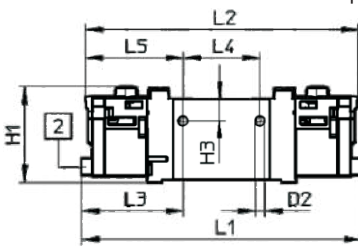
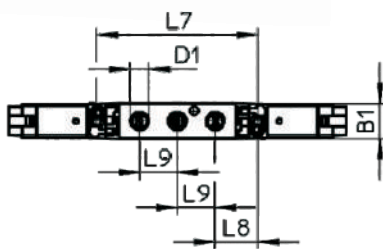
货号(PN)	型号(Model)	B1	D2	H1	H3	L3	L4	L7	L8	L9	L10	L11	L12	L13	L14	流量参数 (l/min.)
1.Y06040	VUVG-LK14-M52-AT-G18-1H2L-S	14.4	3.3	34.8	3.2	40.1	37	66.5	18.4	14.9	17	24.8	95.6	94.4	17.7	660



B52, 两位五通, 双电控
B52 Two-position double electronic control

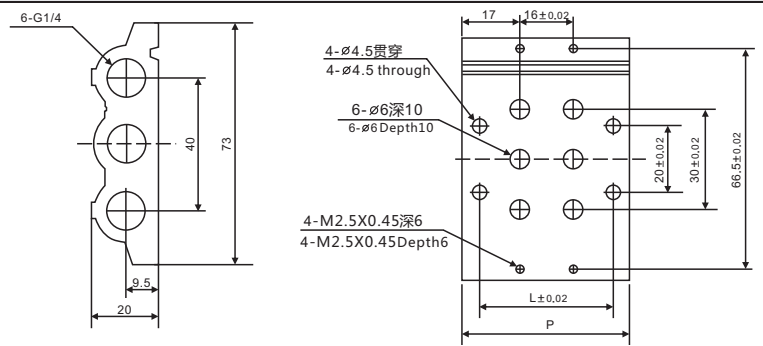
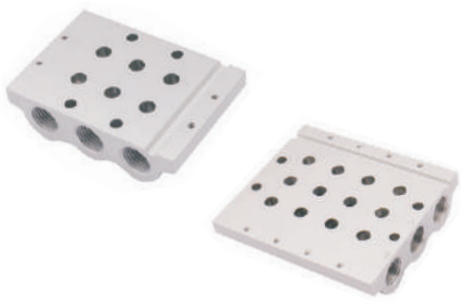


附件 密封垫 (一包10个) accessory seal a pack of ten



2 水平电接口 3 手控按钮
2 horizontal electrical interface 3 manual button

货号(PN)	型号(Model)	B1	D2	H1	H3	L1	L2	L3	L4	L5	L7	L8	L9	L10	L11	流量参数 (l/min.)
1.Y06288	VUVG-LK14-B52-T-G18-1H2L-W1-S	14.4	3.3	34.8	3.2	118.9	116.4	40.1	37	39.7	66.5	18.4	14.9	17	24.8	660



货号(PN)	1.Y06289	1.Y06290	1.Y06291	1.Y06292	1.Y06293	1.Y06294	1.Y06042	1.Y07453	1.Y06295
型号(Model)	VUVG1/8-LK-2F	VUVG1/8-LK-3F	VUVG1/8-LK-4F	VUVG1/8-LK-5F	VUVG1/8-LK-6F	VUVG1/8-LK-7F	VUVG1/8-LK-8F	VUVG1/8-LK-9F	VUVG1/8-LK-10F
连数(Row)	2	3	4	5	6	7	8	9	10
L	40	56	72	88	104	120	136	152	168
P	50	66	82	98	114	130	146	162	178

货号(PN)	1.Y09872	1.Y09873	1.Y09874	1.Y09875	1.Y09876	1.Y09877	1.Y09878	1.Y09879	1.Y09880	1.Y09881
型号(Model)	VUVG1/8-LK-11F	VUVG1/8-LK-12F	VUVG1/8-LK-13F	VUVG1/8-LK-14F	VUVG1/8-LK-15F	VUVG1/8-LK-16F	VUVG1/8-LK-17F	VUVG1/8-LK-18F	VUVG1/8-LK-19F	VUVG1/8-LK-20F
连数(Row)	11	12	13	14	15	16	17	18	19	20
L	184	200	216	232	248	264	280	296	312	328
P	194	210	226	242	258	274	290	306	322	338

型材 钢管 Profile SUS Tube

支架模组 Stents Module

快换 Quick Changer

夹具组件 Grip Module

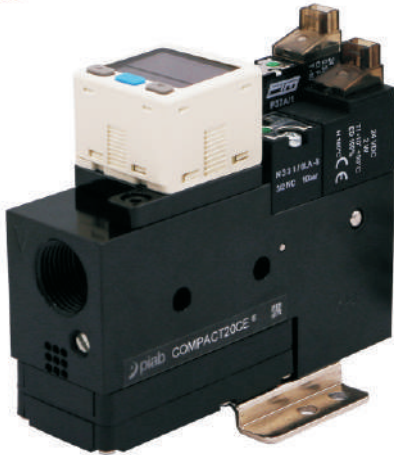
气动剪刀 Air Nipper

真空组件 Vacuum Module

附件 Accessory Components

Compact 20CE 真空发生器 Compact 20CE Vacuum Generator

NEW



真空发生器 Vacuum Generator 阀 valve

- 配置Piab 多级真空发生器
Configure Piab multistage vacuum generator

- 真空阀和吹气阀
Integrated electric vacuum and blow-off valve
- 吹气流量调节阀
Blowing flow control valve

真空传感器 Vacuum sensor

- 可选配具有用户友好型界面的真空传感器，或者选配预留真空检测端口。
Vacuum sensor with user-friendly interface or reserved vacuum detection port is optional.

模块式设计 Modular design

- 多级真空发生器可拆卸清洗和更换，故障排除更加简单。
The multistage vacuum generator can be disassembled, cleaned and replaced, and the troubleshooting is simpler.

快插接头 Quick connector

- 可配置8mm或者10mm的快插接头。
8mm or 10mm quick connector can be configured.

*连接线材长为两米 The wire's length is 2 meters

货号(PN)	型号(Model)	类型(Type)
1.Y13062	COMPACT 20CE PNP	PNP
1.Y13063	COMPACT 20CE NPN	NPN



Compact 20CE 技术参数/Compact 20CE technical parameter

真空技术 Vacuum technology	多级真空发生器 Multistage vacuum generator
工作气源压力 (Mpa) Working air pressure	0.38~0.6
最大真空流量 (NL/s) Maximum Vacuum flow	2.4
最高真空度 (-Kpa) Maximum Vacuum level	84
耗气量 (NL/s) Air consumption	1.5~2.2
工作温度 (°C) Working temperature	-5~50
尺寸 (mm) Size	94x78x30
噪音 (dBA) Noise level	57-68
真空口尺寸 Vacuum port size	G3/8"
净重 (g) Net Weight	370
真空传感器 Vacuum Sensor	PNP/NPN
电磁阀 Solenoid Valve	NC/NO
消耗功率 Power consumption	24V±10% VDC,2W

型材 / 钢管
Profile / SUS Tube

支架模组
Stents Module

快换
Quick Changer

夹组件
Grip Module

气动剪刀
Air Nipper

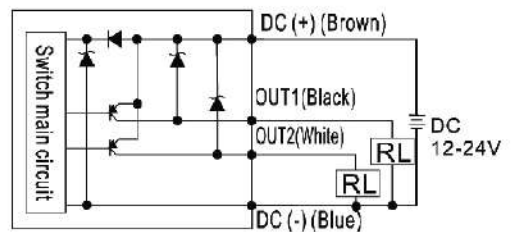
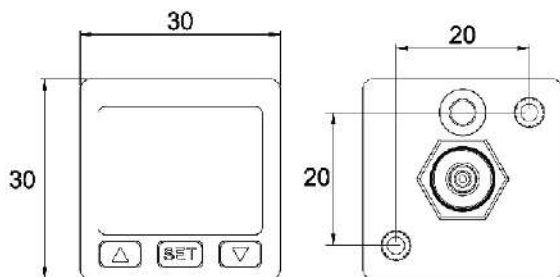
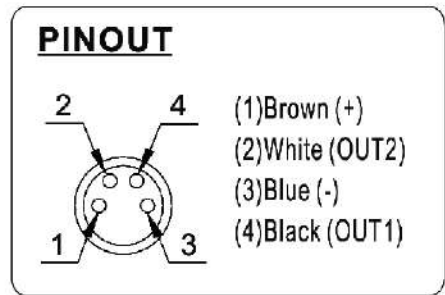
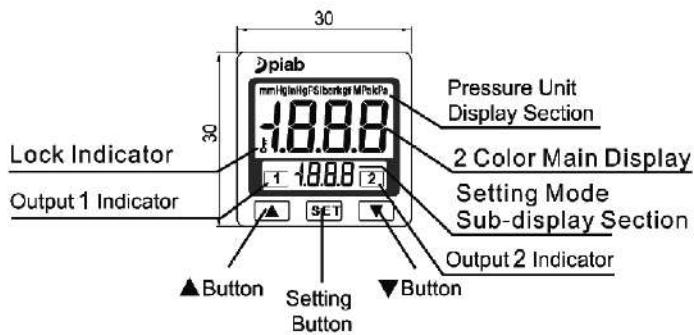
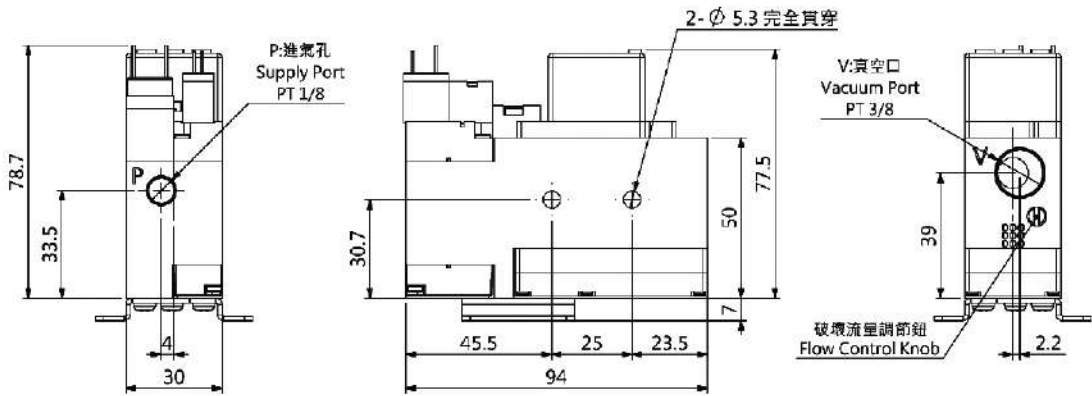
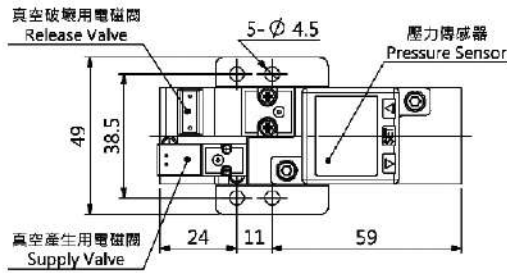
真空组件
Vacuum Module

附件
Accessory Components

Compact 20CE 真空发生器 Compact 20CE Vacuum Generator

Compact 20CE 真空发生器和传感器尺寸图

Dimensional drawing of Compact 20CE Vacuum Generator and Sensor



型材
SUS Tube

支架
模组

快换
Quick Changer

夹具
组件

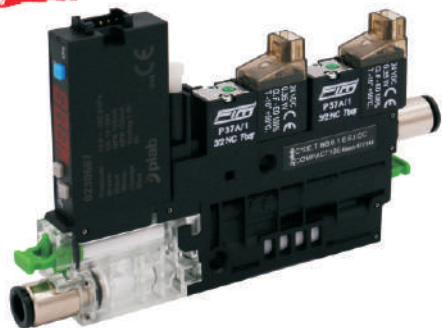
气动
剪刀

真空
组件

附件
Accessory Components

Compact 10CE 集成式真空发生器 Compact 10CE Integrated vacuum generator

NEW



*连接线材长为两米 The wire's length is 2 meters

货号(PN)	型号(Model)	类型(Type)
1.Y13064	COMPACT10E PNP	PNP
1.Y13279	COMPACT10E NPN	NPN

数据表所指明的数值可进行测试：

- 室温 (20°C [68°F] ± 3°C [5.5°F])。
- 标准大气压 (101.3 [29.9 inHg] ± 1.0 Kpa [0.3 inHg])。
- 相对湿度：35-85%，无冷凝。
- 压缩空气质量，DIN ISO 8573-1 class 4 标准。

Values specified in the data sheet are tested at:

- Room temperature (20°C [68°F] ± 3°C [5.5°F])
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg])
- Relative humidity: 35-85%, non condensation
- Compressed air quality DIN ISO 8573-1 class 4 standard

技术参数/Technical data

说明 Description	单位 Unit	值 Value
推荐进气压力 Recommended feed pressure	Mpa	0.5
最大进气压力 Feed pressure, max.	Mpa	0.7
温度范围 Temperature range	°C	0-50
重量* Weight*	g	74
材料 Material	-	PA, AL, CuZn, PE, NBR, PC, SS, TPV, FKM, Steel, Glass epoxy
1-8 个真空通道条件下的噪音等级范围 Noise level range of 1-8 vacuum channels	dB	46-60
连接，压缩空气 Connection, compressed air	-	ø6 推入式连接器 ø6 push-in connector
连接，真空 Connection, vacuum	-	ø6 推入式连接器 ø6 push-in connector

) 注意！重量不包括运输中包含的电缆。) Note! The weight does not include the cables that are included in the shipping.

阀门模块/Valve module

说明 Description	单位 Unit	值 Value
阀门功能 Valve function	-	NC 真空常闭 + NC 吹气常闭 NC vacuum normally closed + NC blowing normally closed
电源电压 Supply voltage	VDC	24 (21.6 – 26.4)
功率 Power	W	3.5
响应时间 Response time	ms	≤ 3
电气连接 Electrical connection	-	Supplied cable, Red (+) Black (-)

真空传感器/Vacuum sensor

说明 Description	单位 Unit	值 Value
电源电压 Supply voltage	VDC	12-24 ±10%，波动 P-P 10% 或更低 12-24 ±10%, Fluctuation P-P 10% or less
电流消耗(无负载) Current consumption (with no load)	mA	≤ 40
切换输出 Switch output	-	NPN
响应时间 Response time	ms	≤ 2,5
模拟输出 Analog output	VDC	1-5 ±2.5% F.S.
电气连接 Electrical connection	-	JST PAP-05V

型材 / SUS Tube

支架模组
Stents Module

快换
Quick Changer

夹具组件
Grip Module

气动剪刀
Air Nipper

真空组件
Vacuum Module

附件
Accessory Components

型材
SUS Tube

支架
Module

快换
Changer

夹具
Module

气动
Nipper

真空
Module

附件
Components

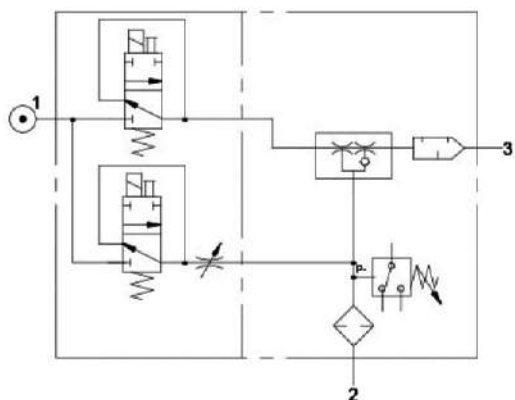
真空流量/Vacuum flow

供气压力真空泵/喷嘴 Feed pressure vacuum pump/nozzle	每个泵/喷嘴的空气消耗量 Air consumption per pump /nozzle	不同真空度 (-kPa) 下的真空流量 (NI/s) Vacuum flow (NI/s) under different vacuum degrees (-kPa)								最大真空度 Max vacuum
		0	10	20	30	40	50	60	70	
Mpa	NI/s	0	10	20	30	40	50	60	70	-kpa
0.50/0.40	0.23	0.26	0.24	0.19	0.14	0.088	0.063	0.045	0.023	84

抽真空时间/Vacuum time

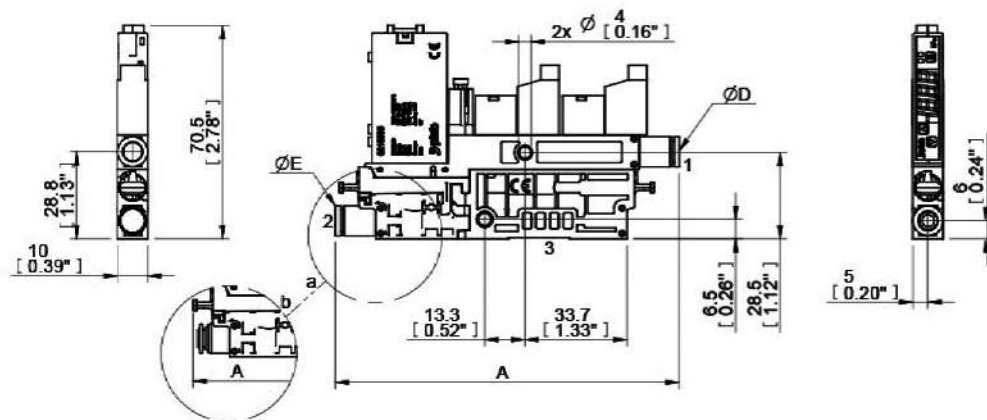
供气压力真空泵/喷嘴 Feed pressure vacuum pump/nozzle	每个泵/喷嘴的空气消耗量 Air consumption per pump /nozzle	达到不同真空度 (-kPa) 的抽气时间 Pumping time to different vacuum (- kPa)								最大真空度 Max vacuum
		10	20	30	40	50	60	70	80	
Mpa	NI/s	10	20	30	40	50	60	70	80	-kpa
0.50/0.40	0.23	0.40	0.87	1.49	2.38	3.71	5.57	8.52	15.44	84

外形尺寸/Dimensions



说明 Description	单位 Unit	值 Value
A	mm	113.6
ΦD	mm	Φ6
ΦE	mm	Φ6

配置 Configuration	值 Value
a	ø6 推入式连接器 ø6 push-in connector



订购信息/Ordering information

说明 Description	产品代码 Product code
COMPACT10E, 超高真空流量 (micro), 显示屏, 模拟和数字输出, NPN, ø6 推入式连接器, 1 通道, Φ6推入式连接器, 集成式消音器, NC 真空常闭 + NC 吹气常闭 COMPACT10E, ultra high vacuum flow (micro), display screen, analog and digital output, NPN, ø6 push in connector, 1 channel, ø6 push in connector, integrated muffler, NC vacuum normally closed + NC blowing normally closed	C10E.T.BB.6.1.6.EJ.CC

VLCLASSIC XI x 2 真空发生器 VLCLASSIC XI x 2 Vacuum Generator

NEW



- 高效节能发生器技术。
- 真空发生管可在高达 95 -kPa 的真空度下提供高流量。
- 适用于需高真空度的无渗透应用。
- 大容量范围，可提供 1 至 6 个真空发生管如有需要，VLCLASSIC 可以由较小的容量很轻松的升级为更大容量。
- 轻巧、可配置的和模块化设计。
- 易于拆卸维护。
- High efficiency and energy saving generator technology.
- The vacuum generating tube can provide high flow rate under the vacuum degree up to 95 - kPa.
- Suitable for non permeable applications requiring high vacuum.
- Large capacity range, 1 to 6 vacuum tubes can be provided. If necessary, vlclassic can be easily upgraded from smaller capacity to larger capacity.
- Lightweight, configurable and modular design.
- Easy to disassemble and maintain.

货号(PN)	型号(Model)
1.Y13065	VLCLASSIC XI x 2

概述/Summary

物料 Material	CuZn, NBR (FKM), PA, SS, Al
噪音 Noise level	64 – 69 dBA
温度范围 Temperature	-10 – 80 °C
重量 Weight	550 g
消音器重量 Muffler weight	120 g

性能/Performance

最大进气压力 Feed pressure, max.	0.7 MPa
最佳进气压力 Feed pressure, optimum	0.45 MPa
最大真空度 Max vacuum	95 -kPa

气动参数/Aerodynamic parameters

内部容积 Internal volume	140 cm ³
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真空流量/Vacuum flow (NI/s)

进气压力 Feed pressure	耗气量 Gas consumption	真空流量 (NI/s) @真空度 (-kPa) Vacuum flow(NI/s) @ vacuum (- kPa)										最大真空度 Max vacuum
		0	10	20	30	40	50	60	70	80	90	
Mpa	NI/s	0	10	20	30	40	50	60	70	80	90	-kPa
0.45	3.66	11.8	6	4	2.6	1.46	1.16	0.86	0.64	0.36	0.06	95

排气时间/Exhaust time (s/l)

进气压力 Feed pressure	耗气量 Gas consumption	排气时间 (s/l) 真空度 (-kPa) Exhaust time (s / L) Vacuum (- kPa)									最大真空度 Max vacuum
		10	20	30	40	50	60	70	80	90	
Mpa	NI/s	10	20	30	40	50	60	70	80	90	-kPa
0.45	3.66	0.011	0.031	0.06	0.11	0.19	0.29	0.42	0.6	1.1	95

数据表所指明的数值可进行测试：

The values indicated in the data sheet can be tested:

室温 Room temperature	(20 °C [68 °F] ± 3 °C [5.5 °F])
标准大气压 Standard atmosphere	(101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg])
相对湿度 Relative humidity	0-100%
压缩空气质量 Compressed air quality	DIN ISO 8573-1 class 4

型材 /
钢管

支架
模组

快
换

夹
具
组
件

气
动
剪
刀

真
空
组
件

附
件
Accessories Components

piINLINE® vacuum generator MINI Si, 真空发生器 Vacuum Generator

型材
SUS Tube

支架
Module

快换
Changer

夹具
Module

气动
Nipper

真空
Module

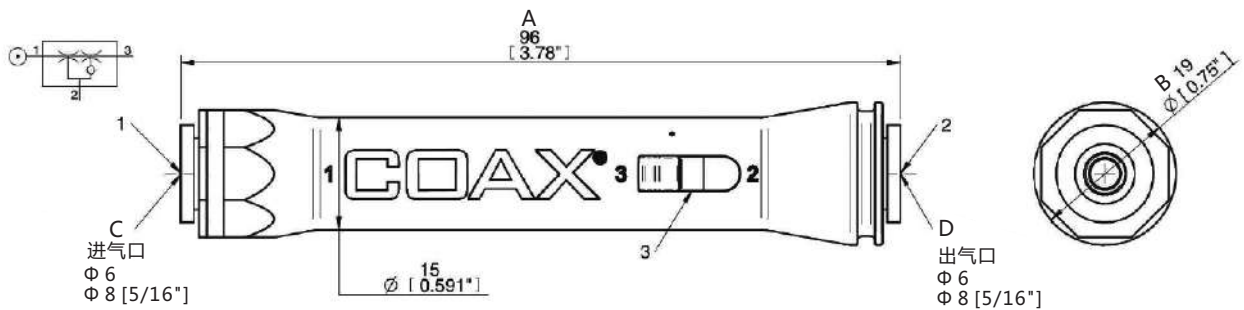
附件
Components

NEW



- 获得专利的COAX®盒式磁带技术。
- 与能耗相关的高真空流量。
- 低重量内联设计，带有用于真空和压缩空气的推入式配件。
- 直接在软管上快速方便地安装。
- 用于额外真空流的Si滤筒。
- 用于在低进料压力下实现高性能的Pi滤筒
- 需要高流量和深真空时的Xi滤筒。
- Patented COAX® cartridge technology.
- High vacuum flow capacity in relation to energy consumption.
- Low weight inline design with push-in fittings for vacuum and compressed air.
- Quick and easy installation directly on the hose.
- Si cartridge for extra vacuum flow.
- Pi cartridge for high performance at low feed pressures.
- Xi cartridge when high flow and deep vacuum is needed.

外形尺寸/Dimensions



型号 (Model)	piINLINE® vacuum generator MINI Si, 6-6 mm	piINLINE® vacuum generator MINI Si, 8-8 mm
货号 (PN)	1.Y13066	1.Y13067
直径 Diameter	19 mm (B)	19 mm (B)
进气口直径 Air inlet diameter	6 mm (C)	8 mm (C)
出气口直径 Air outlet diameter	6 mm (D)	8 mm (D)
长度 Length	96 mm (A)	96 mm (A)

概述/Summary

产品编号 (备选) Product number (optional)	E12842188
物料 Materiel	CuZn, PA, SS, 丁腈橡胶
重量 Weight	21.8 g

性能/Performance

耗气量 Gas consumption	25.7 l/m (.9 scfm) NI/s
最大进气压力 Feed pressure, max.	0.7 MPa

piINLINE® vacuum generator MINI Si , 真空发生器 Vacuum Generator

真空流量/Vacuum flow(Nl/s)

进气压力 Feed pressure	耗气量 Gas consumption	真空流量 (Nl/s) @真空度 (-kPa) Vacuum flow(Nl/s) @ vacuum (- kPa)								最大真空度 Max vacuum
Mpa	Nl/s	0	10	20	30	40	50	60	70	-kPa
0.6	0.44	0.69	0.55	0.42	0.28	0.23	0.16	0.12	0.08	75

排气时间/Exhaust time (s/l)

进气压力 Feed pressure	耗气量 Gas consumption	排气时间 (s/l) 真空度 (-kPa) Exhaust time (s / L) Vacuum (- kPa)							最大真空度 Max vacuum
Mpa	Nl/s	10	20	30	40	50	60	70	-kPa
0.6	0.44	0.16	0.37	0.66	1.1	1.4	2.1	3.1	75

数据表所指明的数值可进行测试：

The values indicated in the data sheet can be tested:

室温 Room temperature	(20 ° C [68 ° F] ± 3 ° C [5.5 ° F])
标准大气压 Standard atmosphere	(101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg])
相对湿度 Relative humidity	0-100%
压缩空气质量 Compressed air quality	DIN ISO 8573-1 class 4

型材 / SUS Tube
Profile

支架模组
Stents Module

快换
Quick Changer

夹具组件
Grip Module

气动剪刀
Air Nipper

真空组件
Vacuum Module

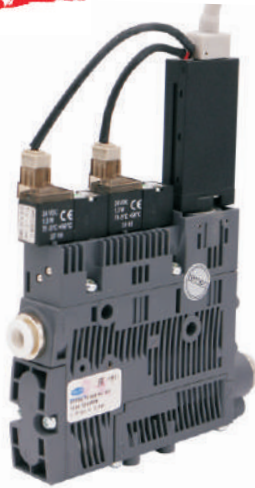
附件
Accessory Components

真空模组 SCPSb系列 Vacuum Module SCPSb Series

体型轻巧的集成式真空发生器采用高效eco nozzle技术，适用于空间局限下的工况。

The compact and lightweight integrated vacuum generator adopts high-efficiency eco nozzle technology, which is suitable for working conditions under limited space.

NEW



亮点Highlights

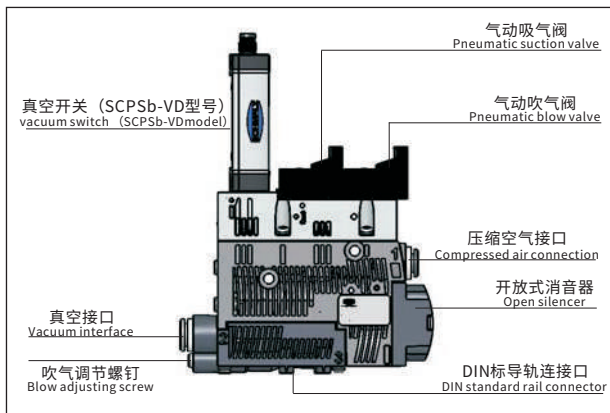
- 高效eco nozzle技术
- 体积小巧，材质为极其耐用的塑料
- 最佳流体结构，以高效产生真空
- 快插式接口
- 可供DIN标导轨连接的连接口
- 开放式消音器
- **Efficient eco nozzle technology**
- **Small size, made of extremely durable plastic**
- **Optimal fluid structure for efficient vacuum generation**
- **Quick-plug interface**
- **Connecting port for DIN standard rail connection**
- **Open silencer**

优势Advantage

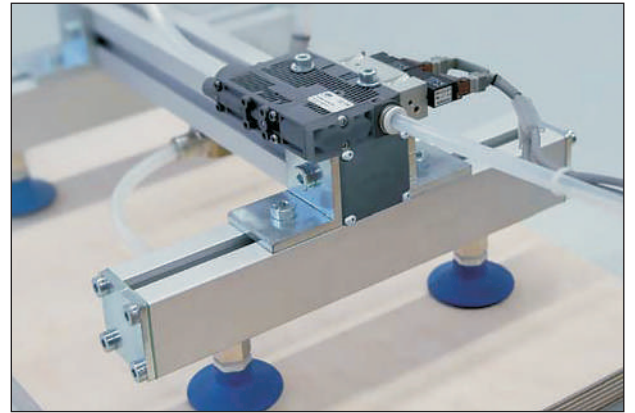
- 压缩空气消耗量极少，抽吸速率更高
- 装置小巧耐用；可直接安装在搬运系统上
- 动作周期极短，频率高
- 无需额外螺丝
- 安装简单；也可直接安装于配电箱上
- 噪声低，维护时间间隔长，维护频率低
- The compressed air consumption is very small, and the suction rate is higher
- The device is small and durable; it can be directly installed on the handling system
- The action cycle is extremely short, the frequency is high
- No extra screws required
- Simple installation; can also be installed directly on the distribution box
- Low noise, long maintenance interval, low maintenance frequency

*连接线线材长为五米 The wire's length is 5 meters

结构 Structure



集成式真空发生器SCPSb-VD采用系统化设计
 The integrated vacuum generator SCPSb-VD adopts a systematic design.



通过集成式真空发生器SCPSb可中央式供给真空
 Vacuum can be supplied centrally through the integrated vacuum generator SCPSb.

技术参数 Technical Parameter

货号 (PN)	型号 (Model)	喷嘴-Ø Nozzle [mm]	真空度 Vacuum [%]	最大抽吸速率 Maximum suction rate [l/min]	耗气量 ⁽¹⁾ Air consumption [l/min]		噪音等级 ⁽¹⁾ Noise level [dB(A)]		工作压力 Work pressure [bar]	推荐真空管内径 Recommended vacuum tube inner diameter [mm]		工作温度 Work temperature [°C]
					吸气 Inhale	吹气 Blow	空载状态 No-load state	吸取状态 Absorption state		压缩空气管 Compressed air pipe	真空管 Vacuum tube	
1.Y13276	SCPSb-07-S04-NC-VD	0.7	85	16	22	116	61	58	2...6	4	4	0...50
1.Y13277	SCPSb-10-S04-NC-VD	1.0	85	34	46	116	73	60	2...6	4	4	0...50
1.Y13278	SCPSb-15-S04-NC-VD	1.5	85	64	59	116	76	65	2...6	4	6	0...50

*所有流量参数均指的是环境大气压(ANR)为101.3kPa，温度和湿度分别为20°C和65%条件下的参数。

*All flow parameters refer to the parameters under the conditions of ambient atmospheric pressure (ANR) of 101.3kPa, temperature and humidity of 20°C and 65% respectively

*压缩空气质量：达到ISO 8573-1, 3-3-3级，过滤等级(40 μm)含油或不含油。

*Compressed air quality: up to ISO 8573-1, level 3-3-3, filter grade (40 μm) with or without oil.

(1)工作压力4bar以下。

(1) Working pressure below 4 bar.

型材
SUS Tube

支架
Module

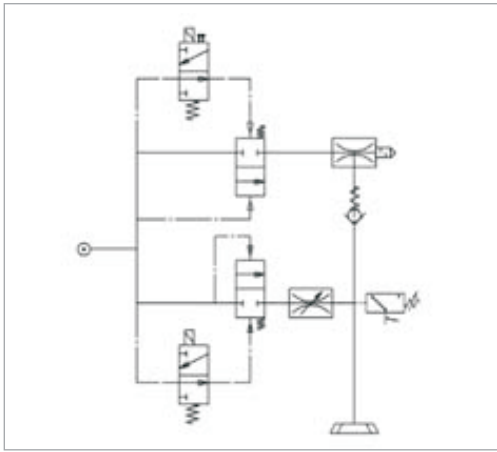
快换
Changer

夹具
Module

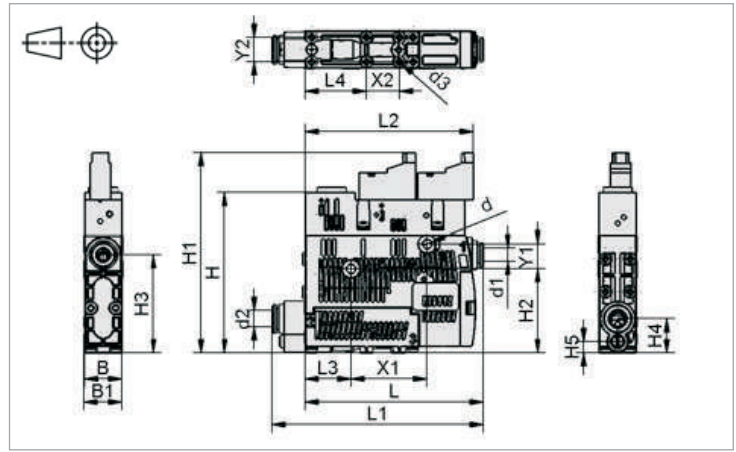
气动
Nipper

真空
Module

附件
Components



气路图
Gas circuit diagram



尺寸图
Dimensions

结构参数 Structural parameters

货号 (PN)	型号 (Model)	B	B1	d	d1	d2	d3	H	H1	H2	H3	H4	H5	L	L1	L2	L3	L4	X1	X2	Y1	Y2
1.Y13276	SCPSb-07-S04-NC-VD	18	18.6	4.4	6	6	2.6	77.5	147	40.8	47.5	16.5	5.5	86.2	102.5	81.4	22	29.5	36.9	16	12	12
1.Y13277	SCPSb-10-S04-NC-VD	18	18.6	4.4	6	6	2.6	77.5	147	40.8	47.5	16.5	5.5	86.2	102.5	81.4	22	29.5	36.9	16	12	12
1.Y13278	SCPSb-15-S04-NC-VD	18	18.6	4.4	6	8	2.6	77.5	147	40.8	47.5	16.5	5.5	86.2	102.5	81.4	22	29.5	36.9	16	12	12

型材 / SUS Tube

支架模组

快换

夹组件

气动剪刀

真空组件

附件

A Global Famous Brand
An International Excellent Enterprise



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