

VIGOUR 無固

INTEGRATED GAS SYSTEM

集成式供气系统

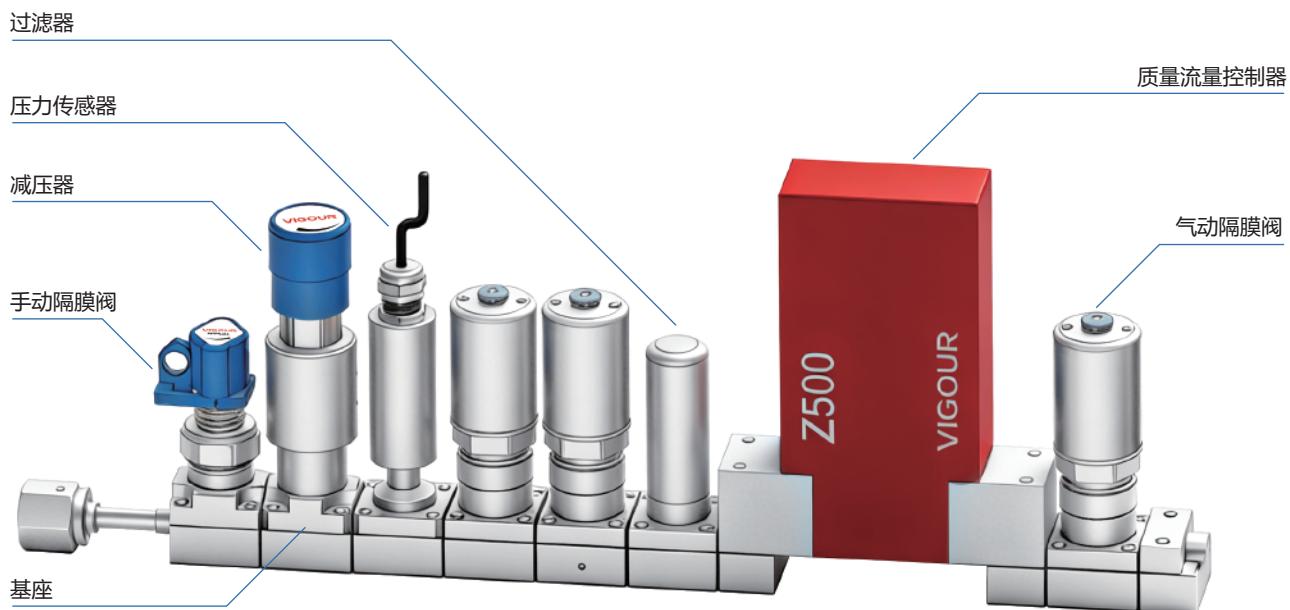
Gas
Control
Solutions



VIGS
VHPS
VUPS
VGDS

产品特点

- 适用于半导体行业的气体控制
- 模块化设计
- 所有组件均按照SEMI标准进行表面安装
- 尺寸约为传统面板的1/3
- SEMI标准材料，电抛光工艺和轨道焊接
- W型密封和C型密封可选
- 洁净室真空双袋装
- 所有产品除“支架”外全部按照VS001A工艺规范生产



技术参数

工艺规范:	超高纯度气体
表面光洁度:	Max. 5 μ in. Ra
母体:	316L EP / 316L VIM-VAR

IGS系统 减压器 —

VIR 系列

产品特点

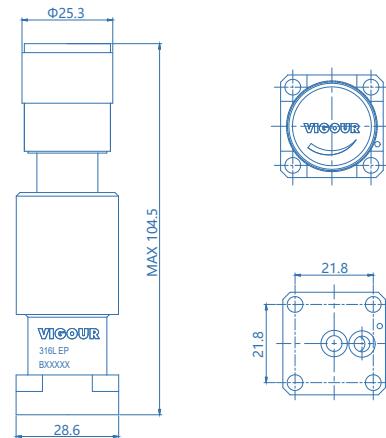
- 硬密封结构
- C型密封
- 表面光洁度: Max. 5 μ in. Ra
- 材质: 316L VIM-VAR
- 100%氦泄漏测试



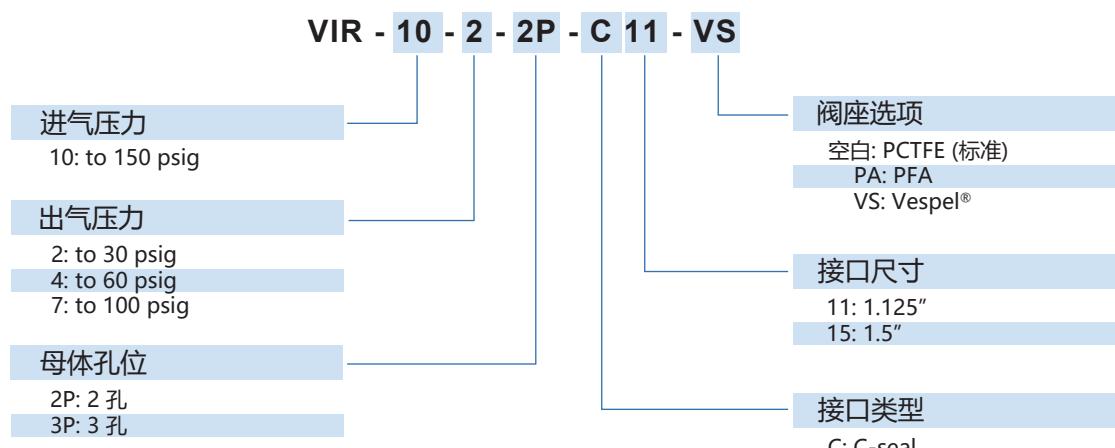
技术参数

最大工作压力:	150 psig
最大工作温度:	-40°F ~ 140°F (-40°C ~ 60°C)
出气压力:	0~100 psig
表面光洁度:	Max. 5 μ in. Ra
材质	
母体:	详见订购参数
阀座:	PCTFE (PFA / Vespel® 可选)
膜片:	Hastelloy® C276
泄漏率: (外部)	1x10 ⁻⁹ mbar l/s He
(内部)	1x10 ⁻⁸ mbar l/s He
流量参数:	Cv=0.08

尺寸 (mm)



订购参数



集成式隔膜阀 / IGS Diaphragm Valves

IGS系统 隔膜阀 — VID 系列

产品特点

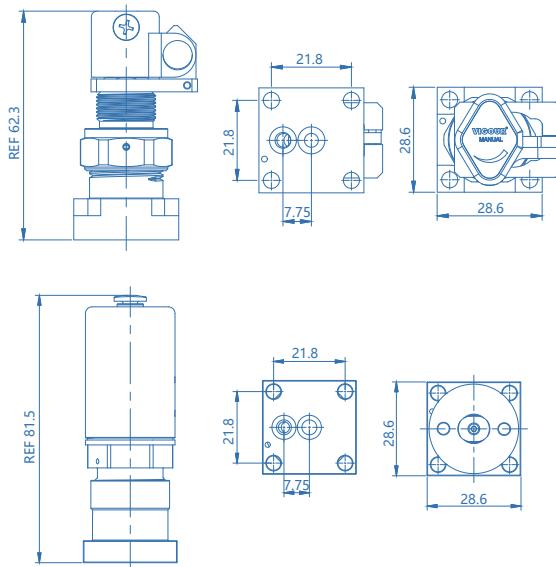
- C型密封
- 内部无死角
- 浸润表面EP处理
- 表面光洁度: Max. 5 μ in. Ra.
- 材质: 316L VIM-VAR
- 100%氦泄漏测试



技术参数

最大工作压力:	150 psig
最大工作温度:	PCTFE 14°F~176°F (-10°C~80°C) PFA 14°F~302°F (-10°C~150°C)
表面光洁度:	Max. 5 μ in. Ra
材质	
母体:	详见订购参数
阀座:	PCTFE (PFA / Vespel® 可选)
膜片:	Elgiloy®
泄漏率: (外部)	1x10 ⁻⁹ mbar l/s He
(内部)	1x10 ⁻⁹ mbar l/s He
流量参数:	Cv=0.1

尺寸 (mm)



订购参数

VID - M - 2P - C 11 - VS

驱动方式

- M: 手动型
PO: 气动型 (常开)
PC: 气动型 (常闭)

母体孔位

- 2P: 2 孔
3P: 3 孔

阀座选项

- 空白: PCTFE (标准)
PA: PFA
VS: Vespel®

接口尺寸

- 11: 1.125"
15: 1.5"

接口类型

- C: C-seal

IGS系统 计量阀 —— VIM 系列

产品特点

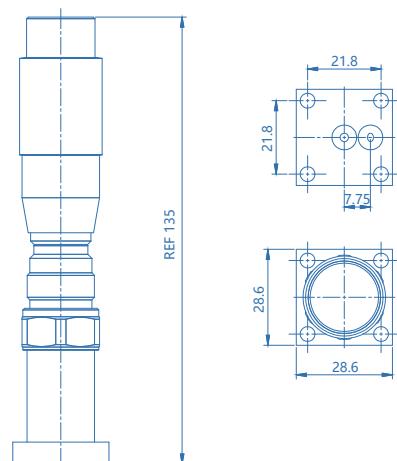
- C型密封
- 浸润表面EP处理
- 表面光洁度: Max. 5 μ in. Ra.
- 材质: 316L VIM-VAR
- 100%氦泄漏测试



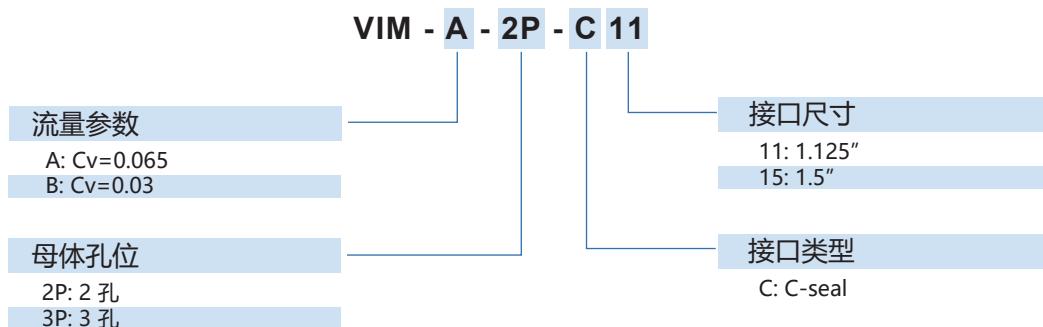
技术参数

最大工作压力:	150 psig
最大工作温度:	14°F ~ 302°F (-10°C ~ 150°C)
公称直径:	Φ1.0
材质	
母体:	详见订购参数
密封件:	FKM
流量参数:	Cv=0.03

尺寸 (mm)



订购参数



IGS系统 单向阀 — VICV 系列

产品特点

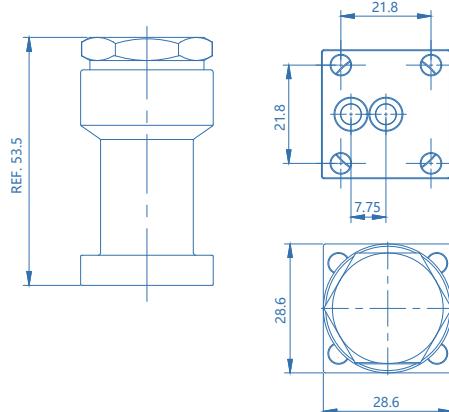
- C型密封
- 浸润表面EP处理
- 表面光洁度: Max. 5 μ in. Ra.
- 材质: 316L VIM-VAR
- 100%氦泄漏测试



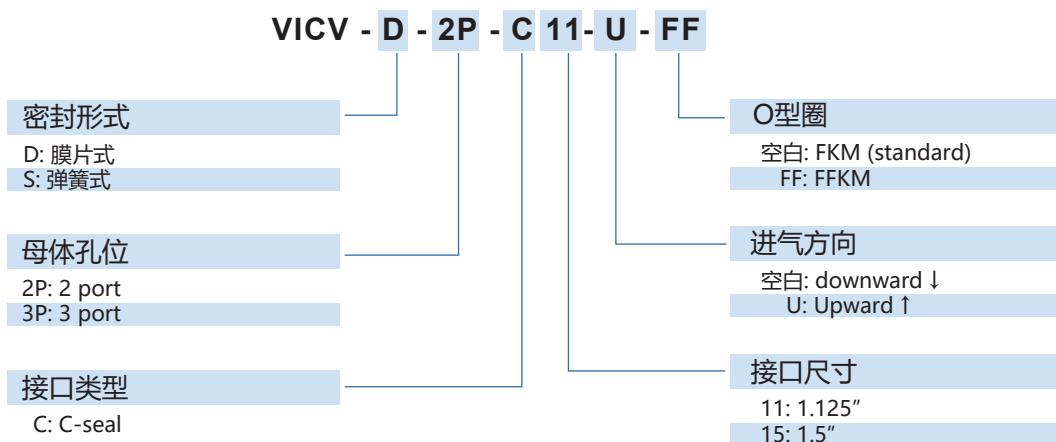
技术参数

最大工作压力:	150 psig
最大工作温度:	14°F ~ 176°F (-10°C ~ 80°C)
表面光洁度:	Max. 5 μ in. Ra
开启压力:	0.33 psig
材质	
母体:	详见订购参数
泄漏率: (外部)	1x10 ⁻⁹ mbar l/s He
(内部)	1x10 ⁻⁹ mbar l/s He
流量参数	Cv=0.2

尺寸 (mm)



订购参数



IGS系统 基块式单向阀 —

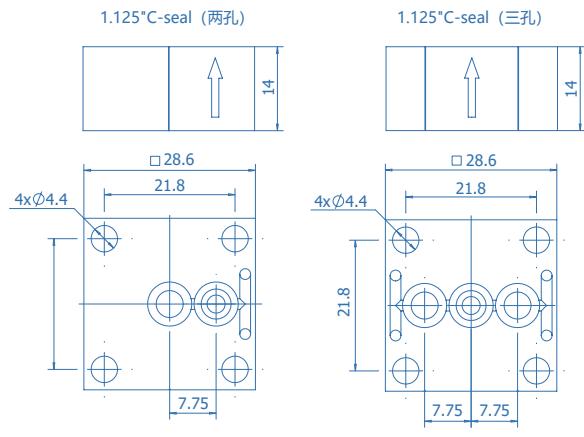
VIMCV 系列

产品特点

- C型、W型密封可选
- 结构紧凑、叠加使用
- 浸润表面EP处理
- 表面光洁度: Max. 5 μ in. Ra.
- 材质: 316L VIM-VAR
- 100%氦泄漏测试



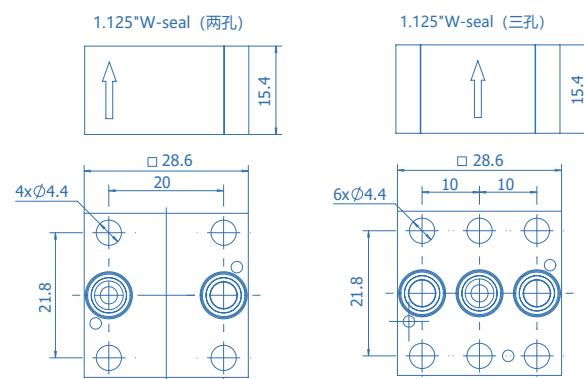
尺寸 (mm)



技术参数

最大工作压力:	150 psig
最大工作温度:	14°F~176°F (-10°C~80°C)
表面光洁度:	Max. 5 μ in. Ra
开启压力:	\leq 2 psig
再封闭压力:	\leq 5 psig (背压)
材质	
母体:	316L VIM-VAR
泄漏率: (外部)	1×10^{-9} mbar l/s He
流量参数	$Cv=0.2$

*首次使用或长期静置未被开启, 其初始开启压力可能要高于设定的开启压力; 原则上此单向阀仅限于普通大气环境下使用, 不可在真空环境中使用。



订购参数

VIMCV SLV - 3P - C 11 - FF

母体材质
SLV: 316L VIM-VAR

母体孔位
2P: 2 port
3P: 3 port

接口类型
C: C-seal
W: W-seal

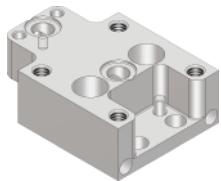
密封材质
空白: FKM (standard)
FF: FFKM
E: EPDM

接口尺寸
11: 1.125"

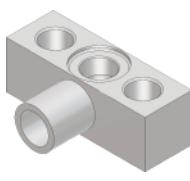
IGS系统 基座 —— VIB 系列 (C-seal)

产品特点

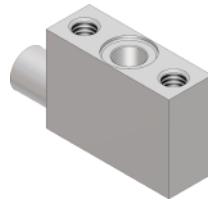
- C型密封
- 非固定安装, 保证密封效果
- 浸润表面EP处理
- 表面光洁度: Max. 5 μ in. Ra
- 材质: 316L VIM-VAR



基础基块



凸缘基块

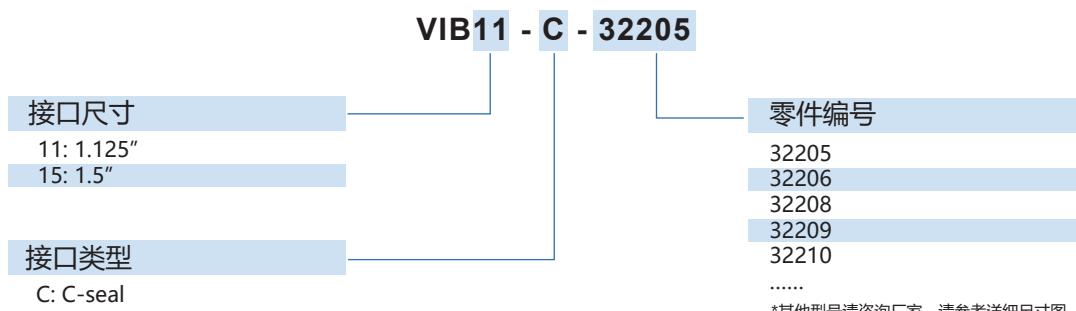


复合基块



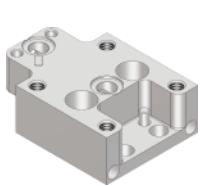
托架

订购参数

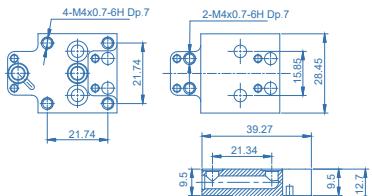


IGS系统 基座 —— VIB 系列 (C-seal)

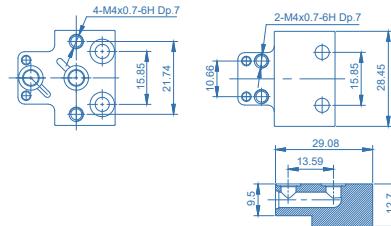
尺寸 (mm)



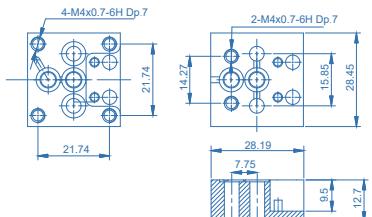
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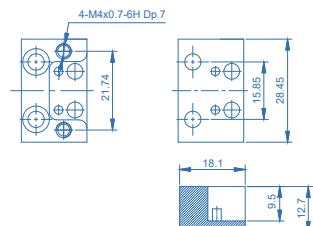
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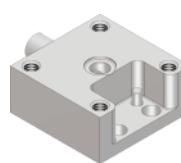
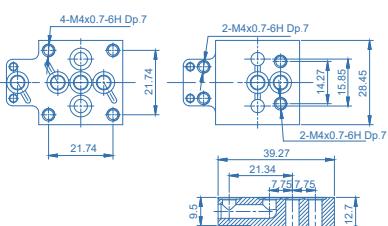
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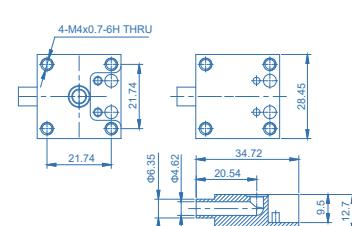
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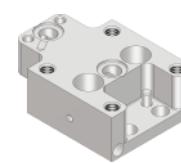
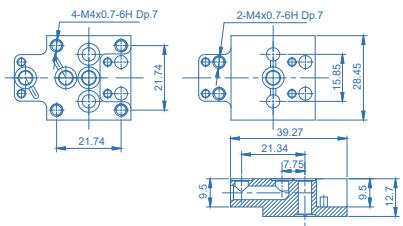
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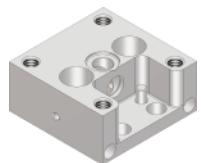
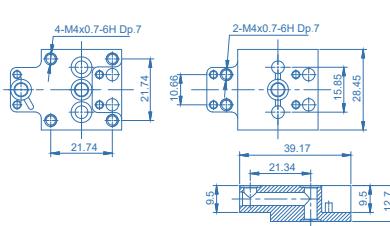
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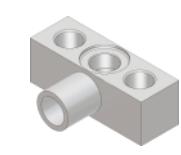
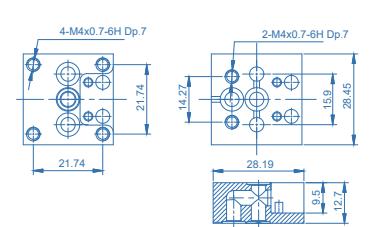
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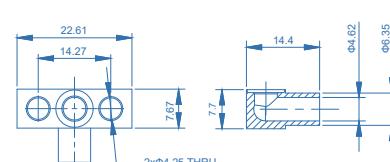
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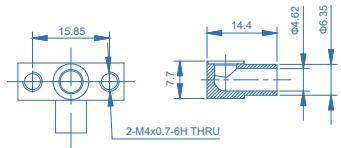
基座 / Substrates

IGS系统 基座 —— VIB 系列 (C-seal)

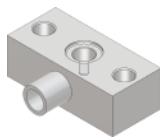
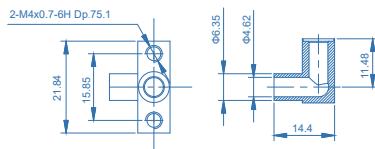
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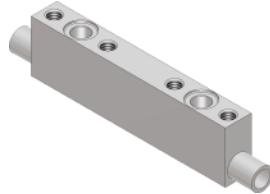
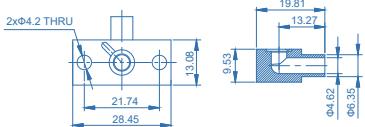
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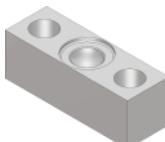
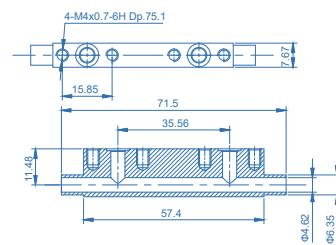
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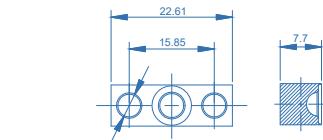
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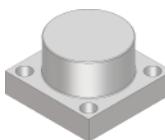
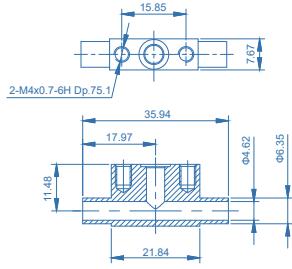
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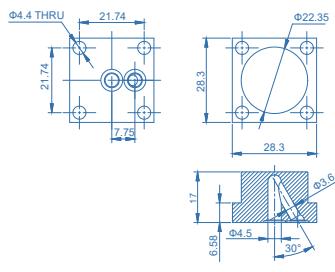
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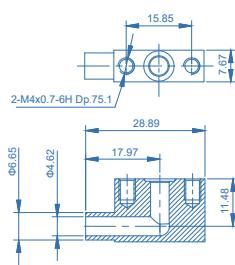
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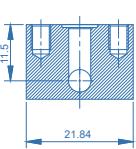
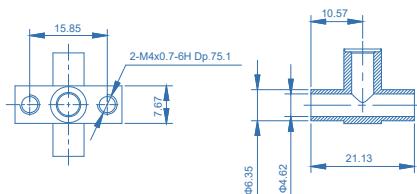
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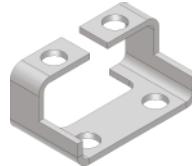
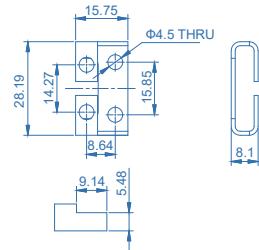


IGS系统 支架 —— VIB 系列 (C-seal)

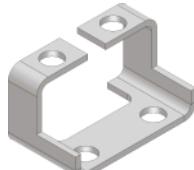
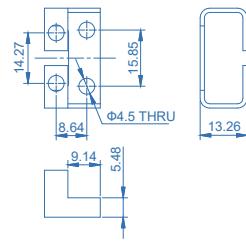
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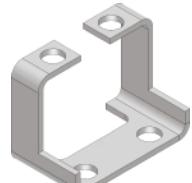
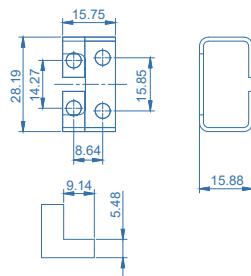
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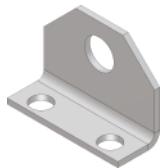
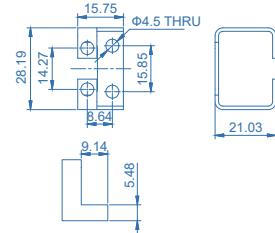
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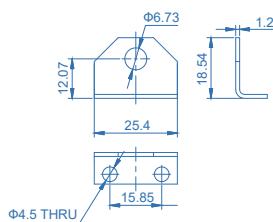
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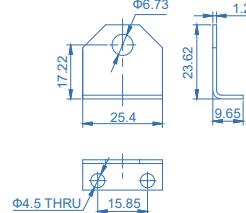
32752



32245



32778



IGS系统 基座 —— VIB 系列 (W-seal)

产品特点

- W型密封
- 非固定安装，保证密封效果
- 浸润表面EP处理
- 表面光洁度: Max. 5 μ in. Ra
- 材质: 316L VIM-VAR



标准基块



1路旁通基块



堵头



过度基块

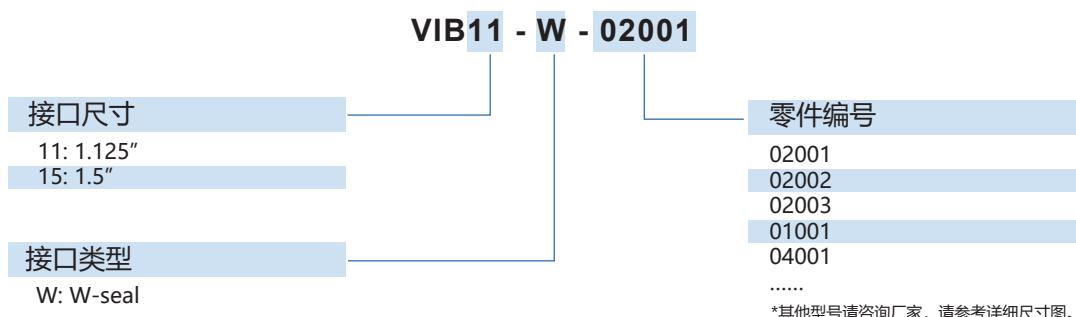


2路旁通基块



末端基块

订购参数

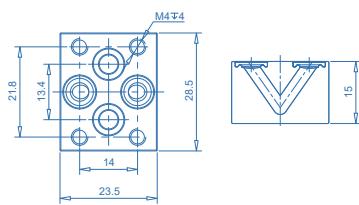


IGS系统 基座 —— VIB系列 (W-seal)

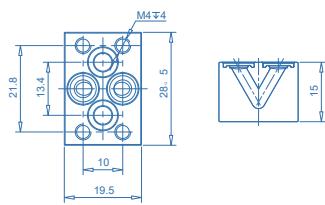
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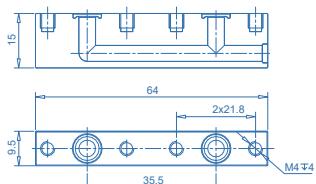
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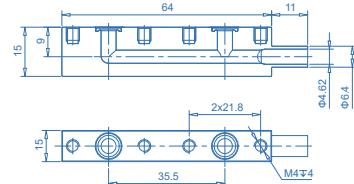
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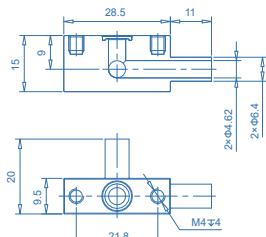
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间距30mm: 02004



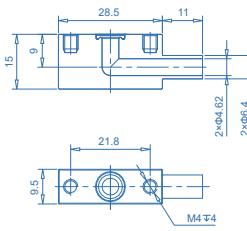
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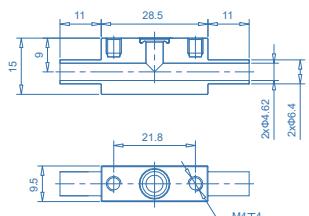
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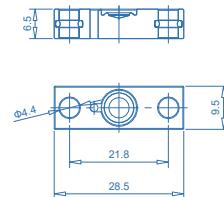
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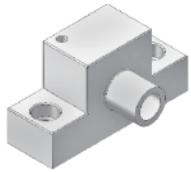
01005



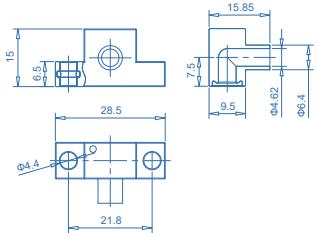
基座 / Substrates

IGS系统 基座 —— VIB 系列 (W-seal)

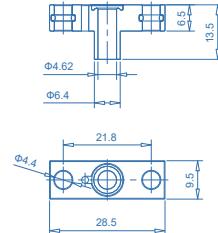
尺寸 (mm)



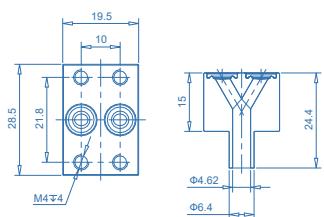
01006



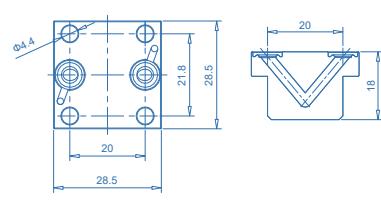
01007



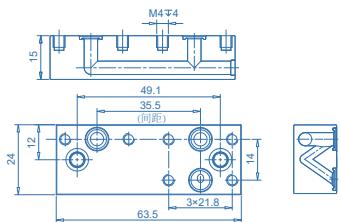
02010



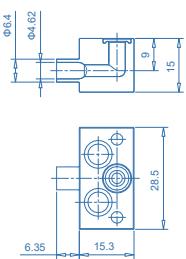
02011



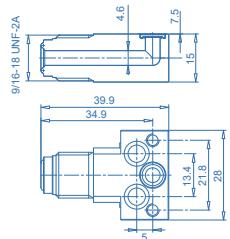
间距35.5mm: 03001
间距30mm: 03002



01008



01009



IGS系统 垫片 —— VIG 系列

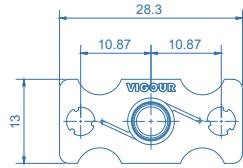
产品特点

- C型密封
- 密封面不受外力影响
- 表面光洁度: Max. 5 μ in. Ra
- 密封垫片材质: 316L VIM-VAR
- 支撑部分材质: SS304

尺寸 (mm)



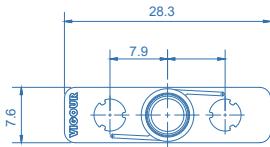
C1-SLV



C1-F-SLV



C1-M-SLV



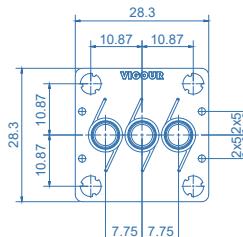
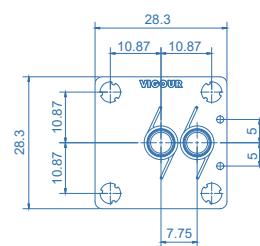
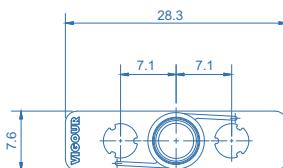
C2-SLV



C2-SLV



C3-SLV



订购参数

VIG11 - C1 - SLV - H

接口尺寸

11: 1.125"
15: 1.5"

接口类型

C: C-seal

流量要求

空白: 标准
H: 高流量*

* "H" 选项仅适用于1.5" 接口尺寸。

零件编号

1-SLV
1-M-SLV
1-F-SLV
2-SLV
3-SLV

VIGOUR 翰固

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