

HAL-LOK®

流体连接件专家



自动焊 & 高纯VCR系列

选型手册

上海浩流机械设备有限公司
Shanghai Haoliu Machinery Equipment Co., LTD

提示：点击图文跳相应页面（限PC端）

HAL-LOK®

目录

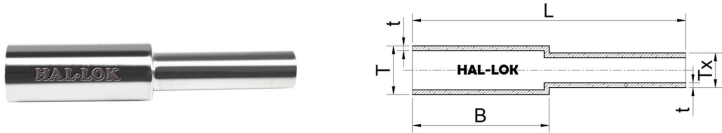
	焊接大小头 BA&EP	.....	P1		三通 (卧式) 微焊 EP	.....	P6
	焊接弯头 BA&EP	.....	P1		45° 弯通 微焊 EP	.....	P6
	正三通 BA&EP	.....	P2		短杆 VCR BA&EP	.....	P8
	变径三通 BA&EP	.....	P2		长杆 VCR BA&EP	.....	P8
	大小头 微焊 EP	.....	P3		母头 VCR BA&EP	.....	P9
	弯通 微焊 EP	.....	P3		公头 VCR BA&EP	.....	P9
	变径弯通 微焊 EP	.....	P4		垫片 带爪垫片 VCR BA&EP	.....	P9
	单侧加长 微焊 EP	.....	P4		侧式垫片 盲垫片 VCR EP	.....	P10
	正三通 微焊 EP	.....	P5		母堵头 VCR EP	.....	P10
	变径三通 微焊 EP	.....	P5		公堵头 VCR EP	.....	P10

提示：点击图文跳相应页面（限PC端）

目录

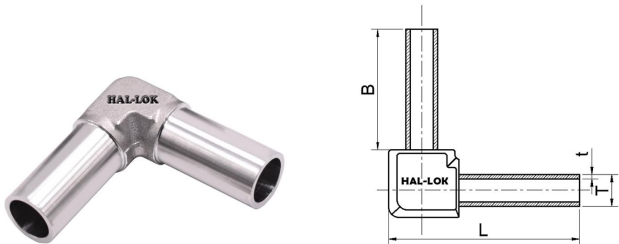
HAL-LOK®

	公头-外牙 VCR EP	.....	P11		母头-卡套 VCR EP	.....	P16
	公头-内牙 VCR EP	.....	P11		母头直通 VCR EP	.....	P16
	公头直通 VCR EP	.....	P12		母头弯通 VCR EP	.....	P17
	公头-卡套 VCR EP	.....	P12		母头三通 VCR EP	.....	P17
	公头-卡套穿板 VCR EP	.....	P13		卡套膜片阀 BA&EP	.....	P18
	公头穿板 VCR EP	.....	P13		气动 卡套膜片阀 BA&EP	.....	P18
	公头穿板-焊杆 VCR EP	.....	P14		膜片阀(母头) VCR EP	.....	P19
	公头变径 VCR EP	.....	P14		气动 膜片阀(公头) VCR EP	.....	P19
	母头-内牙 VCR EP	.....	P15		气动 膜片阀(母头) VCR EP	.....	P20
	母头-外牙 VCR EP	.....	P15		气动 膜片阀(公头) VCR EP	.....	P20



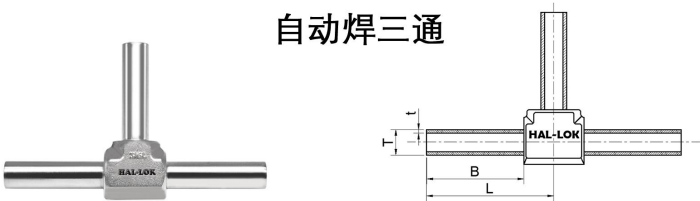
型号	尺寸mm					
	T	t	T	tx	B	L
HKM-6-4	3/8in.	1	1/4in.	1	25	50
HKM-8-4	1/2in.	1.24	1/4in.	1	25	50
HKM-8-6	1/2in.	1.24	3/8in.	1	25	50
HKM-12-8	3/4in.	1.65	1/2in.	1.24	25	50
HKM-12-6	3/4in.	1.65	3/8in.	1.24	25	50

自动焊弯通



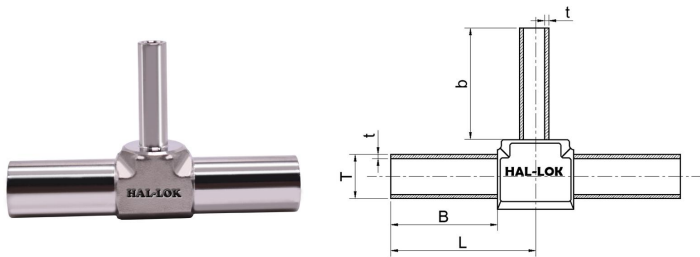
型号	尺寸mm			
	T	t	B	L
EW-4-SS	1/4in.	1	20	35
EW-6-SS	3/8in.	1	20	35
EW-8-SS	1/2in.	1.24	24	42
EW-12-SS	3/4in.	1.65	24	51
EW-16-SS	1" in.	1.65	26	59

自动焊三通



型号	尺寸mm			
	T	t	B	L
TW-4-SS	1/4in.	0.89	23	30
TW-6-SS	3/8in.	0.89	23	30
TW-8-SS	1/2in.	1.24	23	32
TW-12-SS	3/4in.	1.65	23	37.5
TW-16-SS	1" in.	1.65	23	45

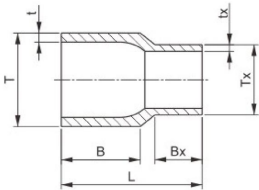
自动焊变径三通



型号	尺寸mm					
	T	t	Tx	tx	B	L
RTW-6-4-SS	3/8in.	0.89	1/4in.	0.89	23	32
RTW-8-4-SS	1/2in.	1.24	1/4in.	0.89	23	32
RTW-8-6-SS	1/2in.	1.24	3/8in.	0.89	23	32
RTW-12-4-SS	3/4in.	1.65	1/4in.	0.89	23	38
RTW-12-6-SS	3/4in.	1.65	3/8in.	0.89	23	38
RTW-12-8-SS	3/4in.	1.65	1/2in.	1.24	23	38
RTW-16-8-SS	1" in.	1.65	1/2in.	1.24	23	45
RTW-16-8-SS	1" in.	1.65	3/4in.	1.65	23	45

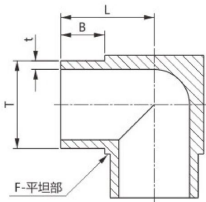
尺寸：6mm-12mm, 1/8-1/2in.
用于小型化的管道系统
材质：SS316L EP级

微焊变径直通



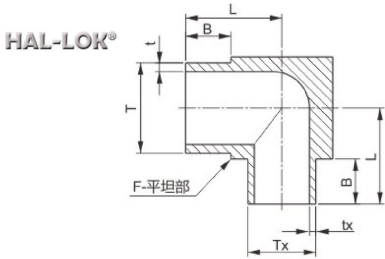
型号	尺寸mm						
	T	t	Tx	tx	L	B	Bx
HR-4-2-SS	1/4in.	0.035in.	1/8in.	0.028in.	19.1	10.7	6.4
HR-6-4-SS	3/8in.	0.035in.	1/4in.	0.035in.	19.1	10.7	6.4
HR-8-4-SS	1/2in.	0.049in.	1/4in.	0.035in.	19.1	10.7	6.4
HR-8-6-SS	1/2in.	0.049in.	3/8in.	0.035in.	19.1	10.7	6.4

微焊弯通



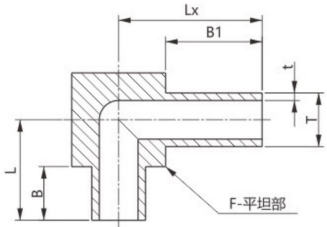
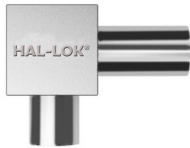
型号	尺寸mm				
	T	t	L	B	F
HE-2-SS	1/8in.	0.028in.	10.4	6.4	7.9
HE-4-SS	1/4in.	0.035in.	10.4	6.4	7.9
HE-6-SS	3/8in.	0.035in.	11.9	6.4	11.1
HE-8-SS	1/2in.	0.049in.	13.5	6.4	14.3

微焊变径直通



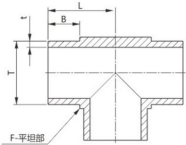
型号	尺寸mm						
	T	t	Tx	tx	B	L	F
HEZ-6-4-SS	3/8in.	0.035in.	1/4in.	0.035in.	6.4	11.9	11.1
HEZ-8-4-SS	1/2in.	0.049in.	1/4in.	0.035in.	6.4	13.5	14.3
HEZ-8-6-SS	1/2in.	1.24	3/8in.	0.035in.	6.4	13.5	14.3

微焊弯通单侧加长



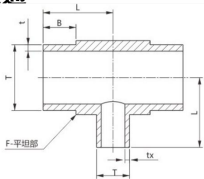
型号	尺寸mm						
	T	t	B	B1	L	Lx	F
LHE-2-SS	1/4in.	0.035in.	6.4	11.4	10.4	15.5	7.9
LHE-4-SS	1/4in.	0.035in.	6.4	12.7	10.4	16.8	7.9
LHE-6-SS	1/4in.	0.035in.	11.4	11.4	15.5	15.5	7.9
LHE-8-SS	1/4in.	0.035in.	12.7	12.7	16.8	16.8	7.9

微焊三通



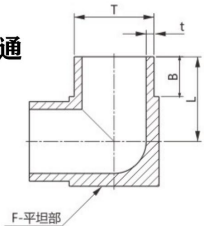
型号	尺寸mm				
	T	t	B	L	F
HT-2-SS	1/8in.	0.028in.	6.4	10.4	7.9
HT-4-SS	1/4in.	0.035in.	6.4	10.4	7.9
HT-6-SS	3/8in.	0.035in.	6.4	11.9	11.1
HT-8-SS	1/2in.	0.049in.	6.4	13.5	14.3

微焊变径三通



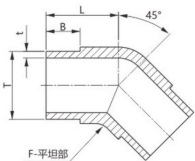
型号	尺寸mm						
	T	t	Tx	tx	B	L	F
HTZ-6-4-SS	3/8in.	0.035in.	1/4in.	0.035in.	6.4	11.9	11.1
HTZ-8-4-SS	1/2in.	0.049in.	1/4in.	0.035in.	6.4	13.5	14.3
HEZ-8-6-SS	1/2in.	0.049in.	3/8in.	0.035in.	6.4	13.5	14.3

微焊卧式三通



型号	尺寸mm				
	T	t	L	B	F
MTZ-4-SS	1/4in.	0.035in.	10.4	6.4	7.9
MTZ-6-SS	3/8in.	0.035in.	11.9	6.4	7.9
MTZ-8-SS	1/2in.	0.049in.	13.5	6.4	11.1

微焊45°弯通



型号	尺寸mm				
	T	t	L	B	F
MEZ-4-SS	1/4in.	0.035in.	10.4	6.4	7.9
MEZ-6-SS	3/8in.	0.035in.	11.9	6.4	7.9
MEZ-8-SS	1/2in.	0.049in.	13.5	6.4	11.1

常用VCR类型



VCR接头洁净度高（组件经过电抛光工艺处理）、密封性好，特别适用于要求无泄漏的超高纯净系统、超高真空系统及高压系统。因为采用了金属密封元件，VCR接头的额定工作温度范围比较广（采用SUS316L垫片的VCR接头，温度额定值可达537℃）。VCR接头便于安装，具有最小拆卸间隙，可以反复拆装（拆卸后重新安装需要更换新垫片）。

如何安装

- 1. 将外螺纹螺母和内螺纹螺母分别套入VCR接管。
- 2. 将两部分包含内外螺纹螺母的VCR接管焊接至卡套管
- 3. 安装金属垫片：如选择带支撑垫片，建议直接卡在含公头的VCR接管上（不要划伤接管端面）；如无支撑的垫片，可将垫片直接放入含母头的VCR接管内。
- 4. 用手旋紧VCR内外螺纹螺母。
- 5. 用无尘油性记号笔在内、外螺母的六角头上划直线做记号。
- 6. 用固定扳手固定公头，另一个固定扳手卡入密头并顺时针旋转安装到位（经反复测试拧1/4圈为最佳）



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VCR-短杆
Short-Gland



型号	VCR	管外径	壁厚 (in.)	尺寸mm		
				L	B	E
HVCR-4-4S	1/4in.	1/4in.	0.035	15.0	6.4	4.6
HVCR-4-4M	1/4in.	1/4in.	0.035	18.3	9.6	4.6
HVCR-4-4L	1/4in.	1/4in.	0.035	27.9	19.1	4.6
HVCR-8-4	1/2in.	1/4in.	0.035	28.4	19.1	4.6
HVCR-8-6S	1/2in.	3/8in.	0.035	15.7	6.4	7.9
HVCR-8-6L	1/2in.	3/8in.	0.035	28.4	19.1	7.9
HVCR-8-8S	1/2in.	1/2in.	0.049	15.7	6.4	10.2
HVCR-8-8M	1/2in.	1/2in.	0.049	18.8	9.6	10.2
HVCR-8-8L	1/2in.	1/2in.	0.049	28.4	19.1	10.2

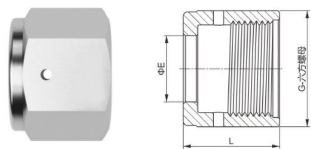
VCR-长杆
Long-Gland



型号	VCR	管外径	壁厚 (in.)	尺寸mm		
				L	B	E
LVCR-4-4S	1/4in.	1/4in.	0.035	30.5	6.4	1.8
LVCR-4-4M	1/4in.	1/4in.	0.035	33.5	9.6	4.6
LVCR-4-4L	1/4in.	1/4in.	0.035	43.2	19.1	4.6
LVCR-8-4	1/2in.	1/4in.	0.035	45.7	19.1	4.6
LVCR-8-6S	1/2in.	3/8in.	0.035	32.8	19.1	7.9
LVCR-8-6L	1/2in.	3/8in.	0.035	45.5	6.4	7.9
LVCR-8-8S	1/2in.	1/2in.	0.049	32.8	19.1	10.2
LVCR-8-8M	1/2in.	1/2in.	0.049	35.8	9.6	10.2
LVCR-8-8L	1/2in.	1/2in.	0.049	45.5	19.1	10.2

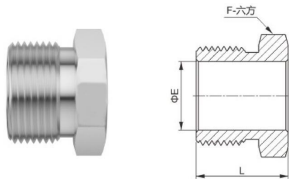
备注：上诉尺寸仅供参考，如有变更恕不另行通知，如需详细参数请咨询HAL技术支持。

VCR-母头
Female-Nut



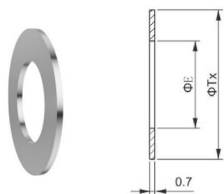
型号	VCR	尺寸mm		
		L	E	G
HVN-4	1/4in.	20.6	9.1	19.1
HVN-8	1/2in.	22.4	15.5	27.0
HVN-12	3/4in.	28.4	22.6	38.1

VCR-公头
Male-Nut



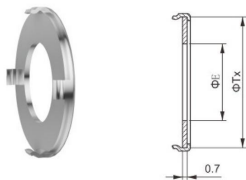
型号	VCR	尺寸mm		
		L	E	F
HMN-4	1/4in.	18.0	9.1	15.9
HMN-8	1/2in.	20.6	15.5	23.8
HMN-12	3/4in.	25.4	22.6	33.3

VCR-垫片
Gasket



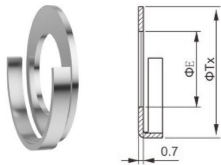
型号	VCR	尺寸mm	
		Tx	E
DP-4	1/4in.	11.9	5.6
DP-8	1/2in.	19.8	11.2
DP-12	3/4in.	29.0	16.8

VCR-垫片 (带爪)
Gasket Claw



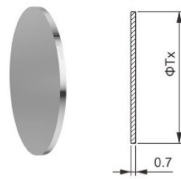
型号	VCR	尺寸mm	
		Tx	E
DPZ-4	1/4in.	12.7	6.1
DPZ-8	1/2in.	20.1	11.2
DPZ-12	3/4in.	29.0	16.8

VCR-垫片(带支撑)
Support Gasket



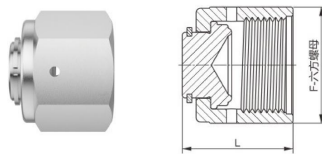
型号	VCR	尺寸mm
		Tx
DPC-4	1/4in.	11.9
DPC-8	1/2in.	19.9
DPC-12	3/4in.	29.0

VCR-盲垫片
Gasket blind plate



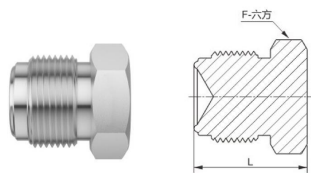
型号	VCR	尺寸mm	
		Tx	E
DPM-4	1/4in.	11.4	6.1
DPM-8	1/2in.	19.1	11.0

VCR-螺母堵头
Plug-Nut



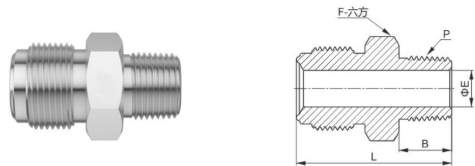
型号	VCR	尺寸mm	
		L	F
DML-4	1/4in.	23.9	19.1
DML-8	1/2in.	25.6	27
DML-12	3/4in.	32.8	38.1

VCR-螺母堵头
Male thread plug



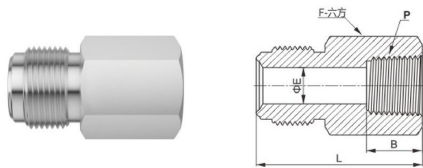
型号	VCR	尺寸mm	
		L	F
DMG-4	1/4in.	23.4	15.9
DMG-8	1/2in.	27.4	23.8
DMG-12	3/4in.	36.3	33.3

VCR公头转外丝



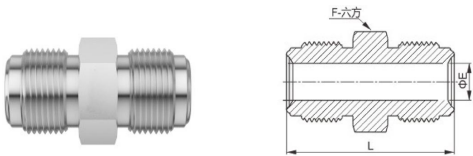
型号	VCR	螺纹端	尺寸mm			
			L	B	E	F
VCRM-4-4N	1/4in.	NPT1/4(M)	37.8	14.2	4.6	15.9
VCRM-8-4N	1/2in.	NPT1/4(M)	41.9	14.2	7.1	23.8
VCRM-8-6N	1/2in.	NPT3/8(M)	41.9	14.2	9.7	23.8
VCRM-8-8N	1/2in.	NPT1/2(M)	46.7	19.1	10.2	23.8

VCR公头转内丝



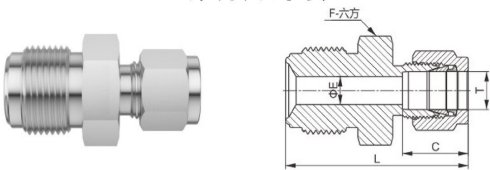
型号	VCR	螺纹端	尺寸mm			
			L	B	E	F
VCRF-4-4N	1/4in.	NPT1/4(M)	39.1	15.0	4.6	19.1
VCRF-8-4N	1/2in.	NPT3/8(M)	44.7	15.0	10.2	23.8
VCRF-8-6N	1/2in.	NPT1/2(M)	50.5	19.8	10.2	27.0

VCR公头对丝



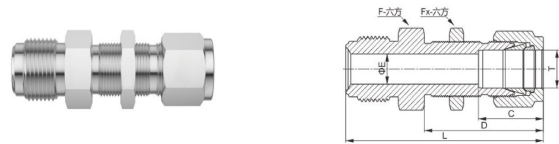
型号	VCR	尺寸mm		
		L	E	F
DMVR-4	1/4in.	39.4	4.6	15.9
DMVR-8	1/2in.	46.7	10.2	23.8
DMVR-12	3/4in.	62.0	15.7	33.3

VCR公头转双卡套



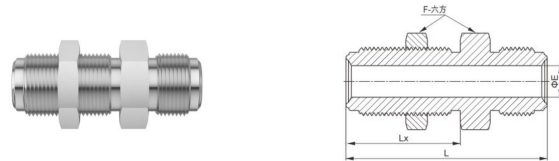
型号	VCR	管外径	尺寸mm			
			L	B	E	F
VSKT-4	1/4in.	1/4in.	41.1	15.2	4.6	15.9
VSKT-8	1/2in.	3/8in.	46.7	16.8	7.1	23.8
VSKT-12	1/2in.	1/2in.	49.5	22.9	10.2	23.8

VCR公头转双卡套(穿板)



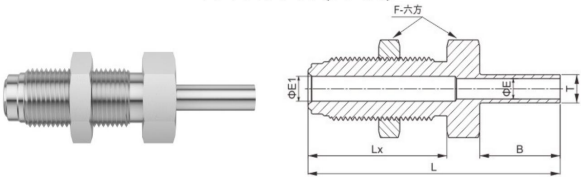
型号	VCR	管外径	尺寸mm						开孔尺寸 (mm)	板厚度 (mm)
			L	C	D	E	F	Fx		
CBSV-4-4	1/4in.	1/4in.	57.2	15.2	33.5	4.6	15.9	15.9	11.9	≤10.2
CBSV-8-6	1/2in.	3/8in.	64.5	16.8	36.8	7.1	23.8	19.1	15.0	≤11.2
CBSV-8-8	1/2in.	1/2in.	69.6	22.9	41.9	10.2	23.8	23.8	19.8	≤12.7

VCR公头对丝(穿板)



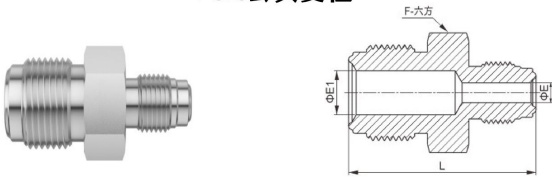
型号	VCR	尺寸mm				开孔尺寸 (mm)	板厚度 (mm)
		L	Lx	E	F		
CBSD-4	1/4in.	56.6	33.3	4.6	19.1	15.0	≤11.2
CBSD-8	1/2in.	65.3	37.6	10.2	27.0	23.1	≤12.7

VCR公头转焊管(穿板)



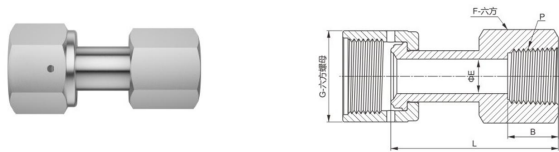
型号	VCR	管外径	尺寸mm						开孔尺寸 (mm)	板厚度 (mm)
			L	Lx	B	E	E1	F		
CBSG-4-4	1/4in.	1/4in.	49.5	25.1	19.1	4.6	5.6	19.1	15.1	≤3.3
CBSG-4-4L	1/4in.	1/4in.	59.9	33.0	19.1	4.6	5.6	19.1	15.1	≤11.2

VCR公头变径



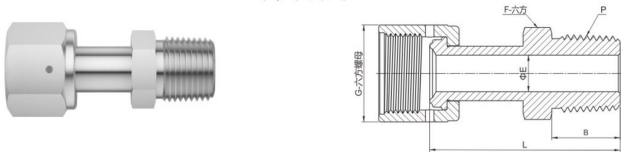
型号	VCR	管外径	尺寸mm			
			L	E	E1	F
SKVR-8-4	1/2in.	1/4in.	43.4	4.6	10.2	23.8

VCR母头转内丝



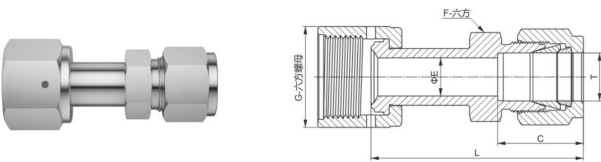
型号	VCR	螺纹	尺寸mm				
			L	B	E	F	G
MVK-4-4N	1/4in.	NPT1/4(F)	45.0	15.0	4.6	19.1	19.1
MVK-8-6N	1/2in.	NPT3/8(F)	49.5	15.0	10.2	22.2	27.0
MVK-8-8N	1/2in.	NPT1/2(F)	55.4	19.8	10.2	27.0	27.0

VCR母头转外丝



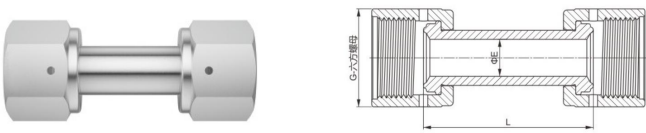
型号	VCR	螺纹	尺寸mm				
			L	B	E	F	G
FVK-4-4N	1/4in.	NPT1/4(M)	45.5	14.2	4.6	14.3	19.1
FVK-8-6N	1/2in.	NPT3/8(M)	48.0	14.2	10.2	17.5	27.0
FVK-8-8N	1/2in.	NPT1/2(M)	53.1	19.1	10.2	22.2	27.0

VCR母头转双卡套°



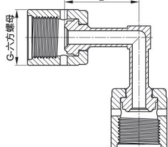
型号	VCR	管外径	尺寸mm				
			L	C	E	F	G
STVK-4-4N	1/4in.	1/4in.	49.3	15.2	4.6	12.7	19.1
STVK-8-6N	1/2in.	3/8in.	50.0	16.8	4.6	15.9	19.1
STVK-8-8N	1/2in.	1/2in.	56.6	22.9	10.2	20.6	27.0

VCR母头直通



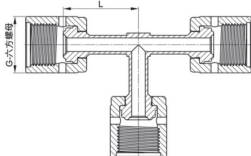
型号	VCR	尺寸mm		
		L	E	C
DTVK-4	1/4in.	43.4	4.6	19.1
DTVK-8	1/2in.	46.7	10.2	27.0

VCR母头转内丝



型号	VCR	尺寸mm	
		L	G
EVD-4	1/4in.	25.4	19.1

VCR母头转内丝

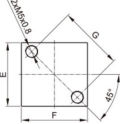
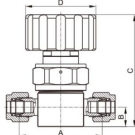


型号	VCR	尺寸mm	
		L	G
TVD-4	1/4in.	25.4	19.1

产品参数

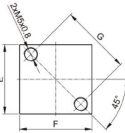
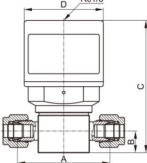
端接规格	1/4"	3/8",1/2"	3/4"
流量系数(Cv)	0.27	0.7	1.7
最大工作压力	250psi (17.2bar)		
工作温度	PCTFE	-40°C -80°C (-40°F -176°F)	
	PFA,Vespel®	-26°C -177°C (-15°F -350°F)	
阀体内/外泄漏率	≤1X10 ⁻⁹ std cm ³ /s(He)		

卡套式低手动压隔膜阀



型号	端接	尺寸mm						
		A	B	C	D	E	F	G
LHGF-4	1/4in.	48	11	63	40	25	26	25.4
LHGF-6	3/8in.	64	16	76	40	36	36	28
LHSGF-8	1/2in.	64	16	76	40	36	36	28

卡套式气动低压隔膜阀

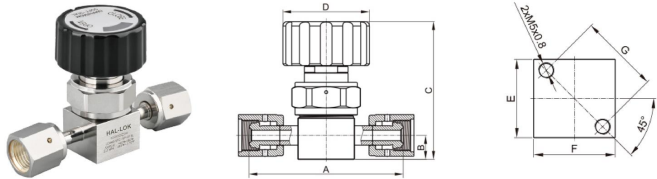


型号	端接	操作	尺寸mm						
			A	B	C	D	E	F	G
QSGF-4C	1/4in.	常闭	48	11	67	40	25	26	25.4
QSGF-4O	1/4in.	常开	48	11	67	40	25	26	25.4
QSGF-6C	3/8in.	常闭	64	16	84	55	36	36	28
QSGF-6O	3/8in.	常开	64	16	77.5	55	36	36	28
QSGF-8C	1/2in.	常闭	64	16	84	55	36	36	28
QSGF-8O	1/2in.	常开	64	16	77.5	55	36	36	28

产品参数

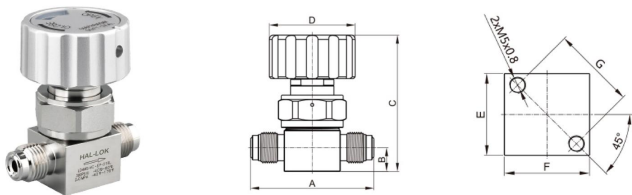
端接规格	1/4"	3/8",1/2"	3/4"
流量系数(Cv)	0.27	0.7	1.7
最大工作压力	250psi (17.2bar)		
工作温度	PCTFE	-40°C -80°C (-40°F -176°F)	
	PFA,Vespel®	-26°C -177°C (-15°F -350°F)	
阀体内/外泄漏率	≤1X10 ⁻⁹ std cm ³ /s(He)		

低压手动隔膜阀（VCR母头）



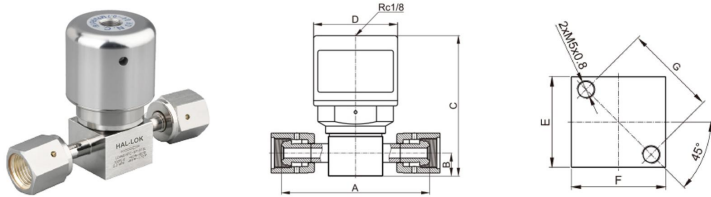
型号	VCR	尺寸mm						
		A	B	C	D	E	F	G
FDGM-4	1/4in.	70.6	11.0	63.0	40.0	25.0	26.0	25.4
FDGM-8	1/2in.	86.0	16.0	76.0	40.0	36.0	36.0	28.0

低压手动隔膜阀（VCR公头）



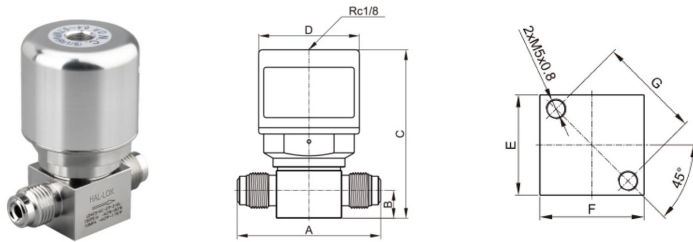
型号	VCR	尺寸mm						
		A	B	C	D	E	F	G
MDGM-4	1/4in.	57.0	11.0	63.0	40.0	25.0	26.0	25.4
MDGM-8	1/2in.	77.0	16.0	76.0	40.0	36.0	36.0	28.0

低压气动隔膜阀（VCR母头）



型号	VCR	操作	尺寸mm						
			A	B	C	D	E	F	G
QDGM-4C	1/4in.	常闭	70.6	11	67	40	25	26	25.4
QDGM-4O	1/4in.	常开	70.6	11	67	40	25	26	25.4
QDGM-8C	1/2in.	常闭	83	16	84	55	36	36	28
QDGM-8O	1/2in.	常开	83	16	77.5	55	36	36	28

低压气动隔膜阀（VCR公头）



型号	VCR	操作	尺寸mm						
			A	B	C	D	E	F	G
QDGF-4C	1/4in.	常闭	57	11	67	40	25	26	25.4
QDGF-4O	1/4in.	常开	57	11	67	40	25	26	25.4
QDGF-8C	1/2in.	常闭	77	16	84	55	36	36	28
QDGF-8O	1/2in.	常开	77	16	77.5	55	36	36	28