ISO9001

ASCEND TORQUE



ASV

系列电磁阀

ASV SERIES SOLENOID VALVES

爱圣拓克(无锡)流体控制集团有限公司
Ascend Torque Flow Controls Co., Ltd.

产品一览表 / PRODUCT LIST



Model: ***ASV-210(310/410)P2C0***



Model: ***ASV-220(320/420)P2C0***



Model: ***ASV-220(320/420)P3C0***



Model: ***ASV-510F4***



Model: ***ASV-510F5***



Model: ***ASV-610F6***



Model: ***ASC-P***



Model: ***AD-N1***



Model: ***ASC-N***

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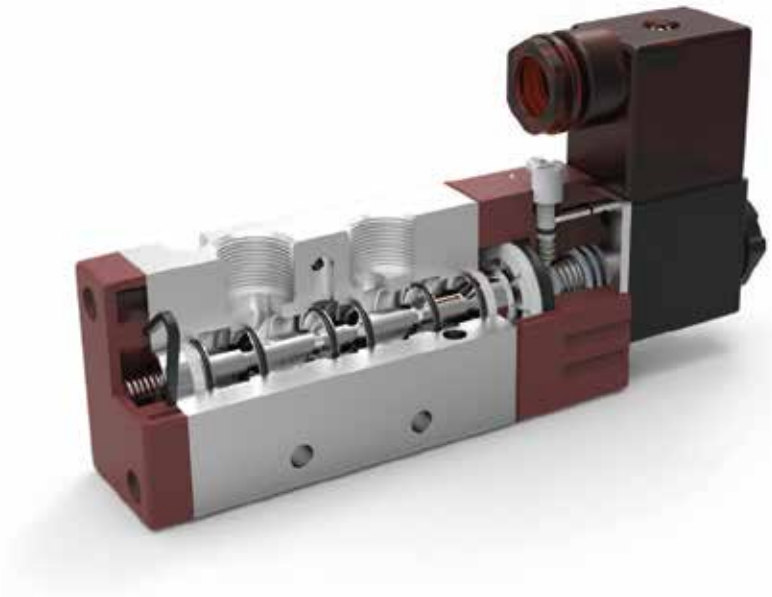
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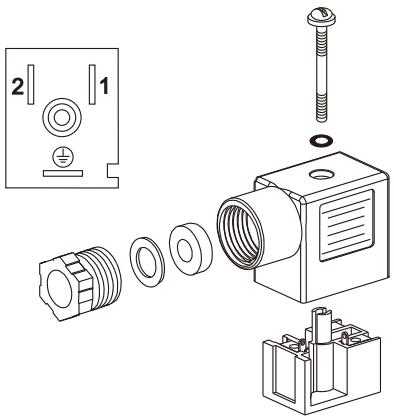
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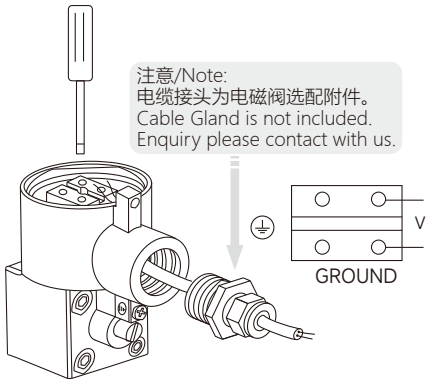
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接线说明/Wiring instruction



接线示意图
C0 coil



接线示意图
F4, F5, F6 coils



- 接线必须由培训合格的人员根据当地标准和法规进行；
- 进行接线时，请确定已经关闭电源，严禁带电操作；
- 电磁阀线圈属于电气元件，确保已根据要求进行接地。

- Wiring must be made by qualified personnel and according to applicable local standards and regulations;
- Before wiring, turn off the electrical current to power off the components;
- Depending on the voltage, electrical components must be grounded according to local standards and regulations.

选型指南/Ordering Guide

示例/Example：ASV-210N2C0A-24VDC

ASV	-	2	10	N	2	C0	A	-	24VDC

电磁阀代号 Code Name

线圈数量 Number of Coils

- **10** - 单线圈 MONOSTABLE (Single coil)
- **20** - 双线圈 BISTABLE (Double coil)

电磁阀功能 Function

- **1** - 两位三通常闭 3/2 NC
- **2** - 两位五通 5/2
- **3** - 三位五通 5/3

接线盒样式 Wiring box

- **A** - 内紧式 DIN (LED)
- **B** - 内紧式 DIN (BLACK)
- **C** - 外紧式 DIN (Amisco)
- **D** - 1/2"NPT cable entry

电压 Voltage

12VDC
24VDC
24VAC
110VAC
220VAC

安装方式 Mounting

- **N** - 板接式 / NAMUR
- **P** - 管接式 / In-Line (Pipe connection)

线圈参数 Coil and Pilot

- **C0** - 普通线圈(IP65)(normal coil)
- *2 **F4** - 本安型(Ex II1 G EXia IIC T6)
- *2 **F5** - 铝合金隔爆(Exd IIC T6, DIPA20 TA, T6)
- *2 **F6** - 不锈钢隔爆(Exd IIC T6, DIPA20 TA, T6)

材质&接口尺寸 Material & Connect Size

- **2** - 铝合金体1/8"接口 / Aluminum 1/8" inlet
- **3** - 铝合金体1/4"接口 / Aluminum 1/4" inlet
- **4** - 铝合金体1/2"接口 / Aluminum 1/2" inlet
- *1 **5** - 铝合金体1/4"接口 / Aluminum 1/4" inlet
- *1 **6** - 不锈钢316体1/4"接口 / SS 316 1/4" inlet

*1 ASV-5/6系列，集成了板接、管接、5/2和3/2NC多动能于一体。
ASV-5/6 series, intergrates NAMUR, In-line, 5/2 and 3/2NC multifunction in one.

*2 F4/5/6线圈专用于ASV-5/6系列阀体。
F4/5/6 coil is specifically for ASV-5/6 series solendoid valve.

请联系我们获取更多信息 / Please contact us for more requirements



Model: ASV-310N2(C0)



Model: ASV-510F4



Model: ASV-510F5



Model: ASV-610F6



C0A



C0B



C0C



C0D

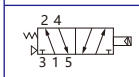
默认线圈 / Standard coil

可选线圈 / Option coil

ASV2系列铝合金电磁阀 / ASV2 Series Aluminum solenoid valve

技术数据 TECHNICAL DATA	
阀体规格 / Body Specifications	参数 Data
功能 Fuction	3/2NC, 5/2 or 5/3
有效截面积 CV	14mm2 (CV=0.78) or 12mm2 (CV=0.67)
接管口径 Inlet	G 1/8"
工作介质 Working medium	经40微米过滤的干燥空气 / 40μm filtered dry air
动作方式 Action mode	先导式 / Pilot
使用压力 Service pressure	1.5 ~ 8bar
最大耐压力 Maximum Pressure Resistance	12bar
工作温度 working temperature	-20 ~ +70 ℃
工作寿命 Working life	10,000,000
线圈型号 Coil model	C0

外形图 DIMENSIONS



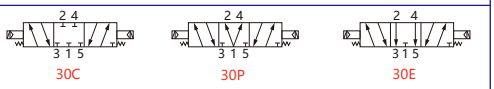


Model: ASV-210P2C0



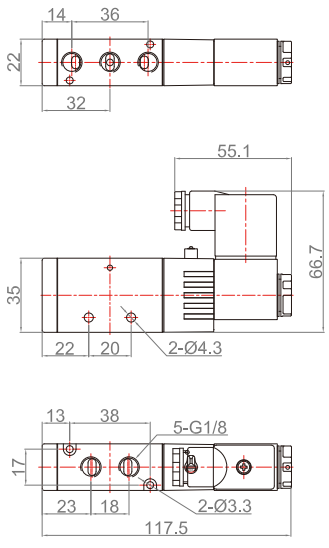


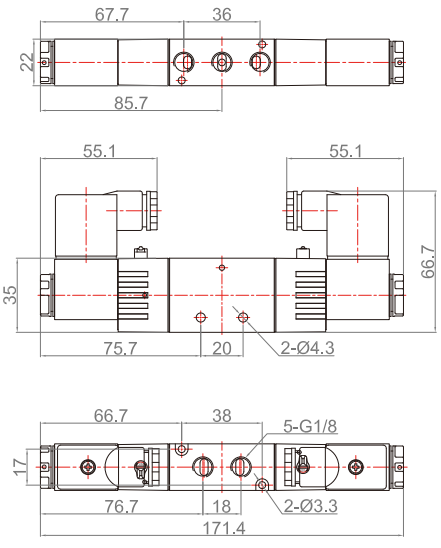
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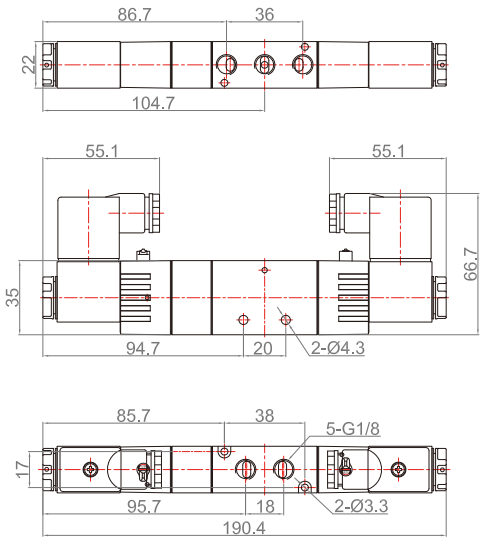




Model: ASV-220P3C0







* 板接式电磁阀外形尺寸参考管接式电磁阀外形尺寸
Dimension of NAMUR and In-Line solenoid valves are the same.

ASV3系列铝合金电磁阀 / ASV3 Series Aluminum solenoid valve

技术数据 TECHNICAL DATA	
阀体规格 / Body Specifications	参数 Data
功能 Fuction	3/2NC, 5/2 or 5/3
有效截面积 CV	25mm2 (CV=1.4) or 18mm2 (CV=1.0)
接管口径 Inlet	G 1/4"
工作介质 Working medium	经40微米过滤的干燥空气 / 40μm filtered dry air
动作方式 Action mode	先导式 / Pilot
使用压力 Service pressure	1.5 ~ 8bar
最大耐压力 Maximum Pressure Resistance	12bar
工作温度 working temperature	-20 ~ +70 ℃
工作寿命 Working life	10,000,000
线圈型号 Coil model	C0

外形图 DIMENSIONS



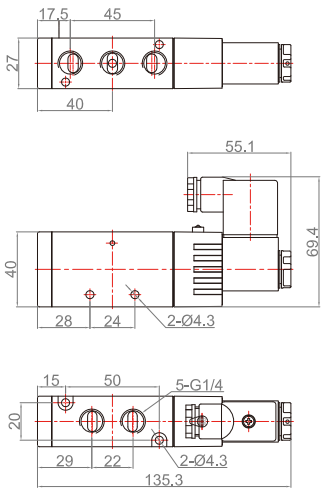
Model: ASV-310P2C0

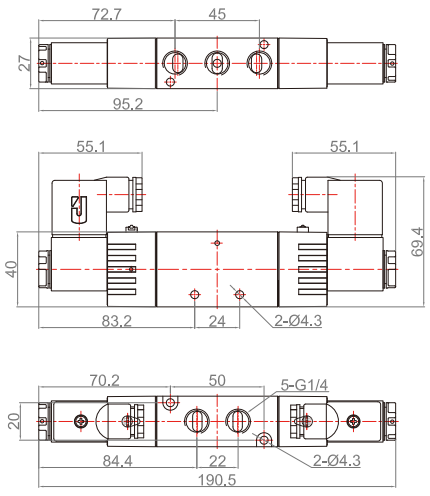


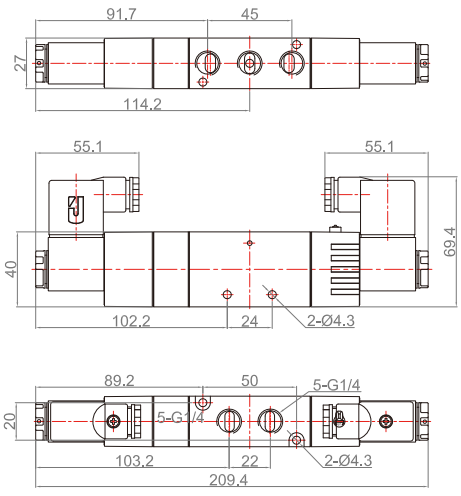
Model: ASV-320P2C0



Model: ASV-320P3C0





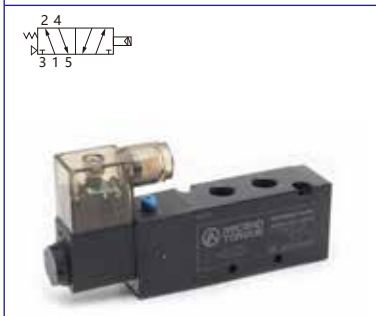


* 板接式电磁阀外形尺寸参考管接式电磁阀外形尺寸
Dimension of NAMUR and In-Line solenoid valves are the same.

ASV4系列铝合金电磁阀 / ASV4 Series Aluminum solenoid valve

技术数据 TECHNICAL DATA	
阀体规格 / Body Specifications	参数 Data
功能 Fuction	3/2NC, 5/2 or 5/3
有效截面积 CV	50mm2 (CV=2.79) or 30mm2 (CV=1.68)
接管口径 Inlet	G 1/2"
工作介质 Working medium	经40微米过滤的干燥空气 / 40μm filtered dry air
动作方式 Action mode	先导式 / Pilot
使用压力 Service pressure	1.5 ~ 8bar
最大耐压力 Maximum Pressure Resistance	12bar
工作温度 working temperature	-20 ~ +70 ℃
工作寿命 Working life	10,000,000
线圈型号 Coil model	C0

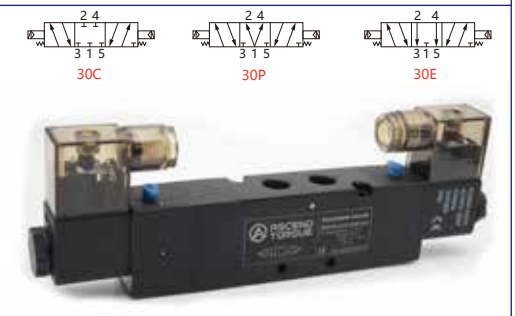
外形图 DIMENSIONS



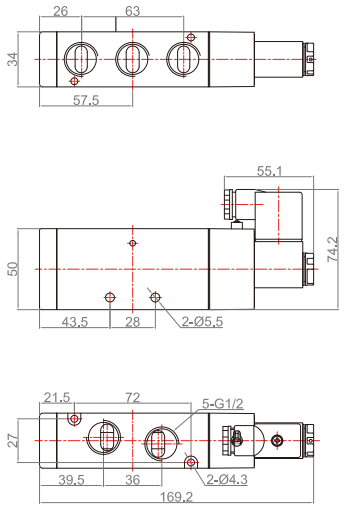
Model: ASV-410P2C0

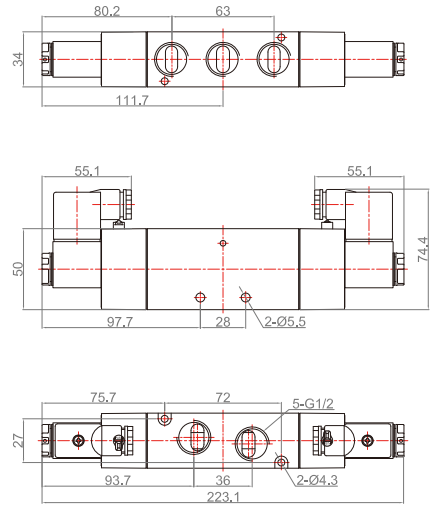


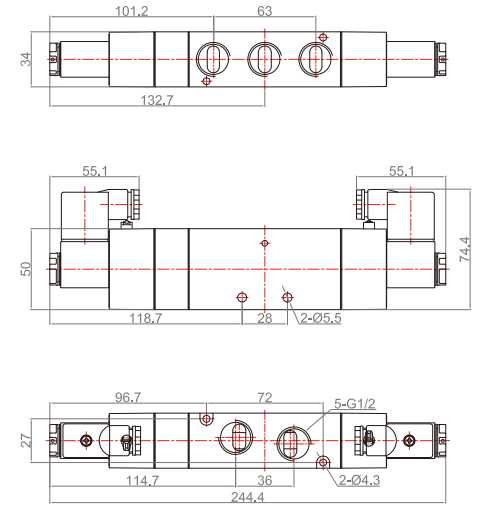
Model: ASV-420P2C0



Model: ASV-420P3C0





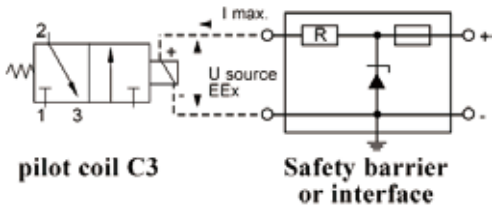


* 板接式电磁阀外形尺寸参考管接式电磁阀外形尺寸
Dimension of NAMUR and In-Line solenoid valves are the same.

ASV5系列本安型电磁阀 / ASV5 Series intrinsic safe solenoid valve

技术数据 TECHNICAL DATA	
阀体规格 / Body Specifications	参数 Data
功能 Fuction	多功能阀体 / NAMUR, In-line, 5/2 and 3/2NC multifunction in one
有效截面积 CV	25mm2 (CV=1.4)
接管口径 Inlet	G 1/4"
工作介质 Working medium	经40微米过滤的干燥空气 / 40μm filtered dry air
动作方式 Action mode	先导式 / Pilot
使用压力 Service pressure	2 ~ 8bar
最大耐压力 Maximum Pressure Resistance	10bar
工作温度 working temperature	-20 ~ +70 ℃
工作寿命 Working life	3,000,000
线圈型号 Coil model	F4

外形图 DIMENSIONS



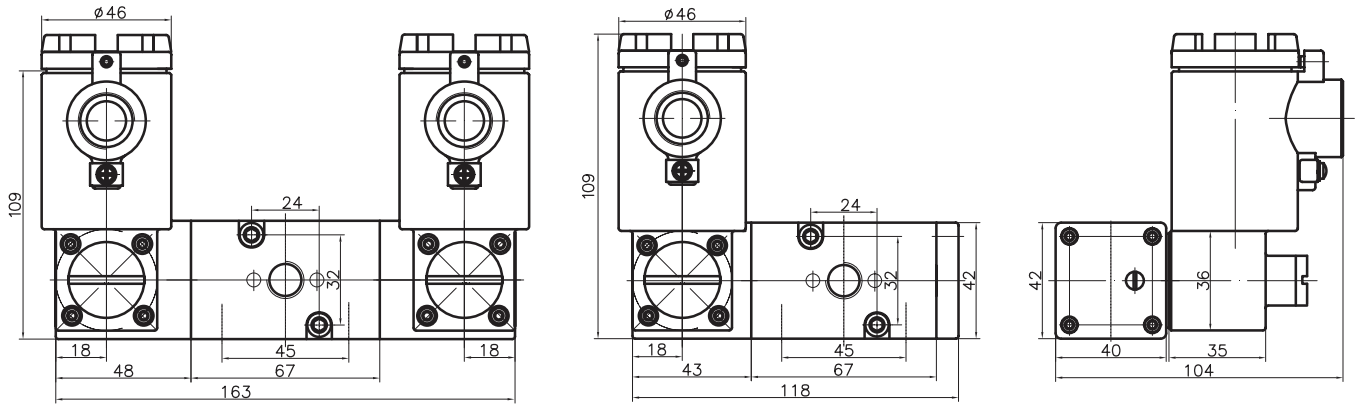
pilot coil C3　　Safety barrier or interface

C3内置于F4外壳中
C3 is built into F4 shell

本安型 / Intrinsic safe
Ex ia IIC T6



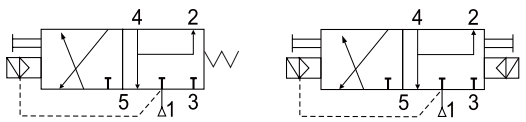
Model: ***ASV-510F4***



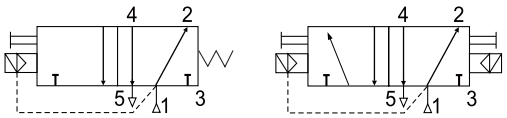
ASV5系列隔爆型电磁阀 / ASV5 Series explosion proof solenoid valve

技术数据 TECHNICAL DATA	
阀体规格 / Body Specifications	参数 Data
功能 Fuction	多功能阀体 / NAMUR, In-line, 5/2 and 3/2NC multifunction in one
有效截面积 CV	25mm2 (CV=1.4)
接管口径 Inlet	G 1/4"
工作介质 Working medium	经40微米过滤的干燥空气 / 40μm filtered dry air
动作方式 Action mode	先导式 / Pilot
使用压力 Service pressure	2 ~ 8bar
最大耐压力 Maximum Pressure Resistance	10bar
工作温度 working temperature	-20 ~ +70 ℃
工作寿命 Working life	3,000,000
线圈型号 Coil model	F5

外形图 DIMENSIONS



3/2 NC

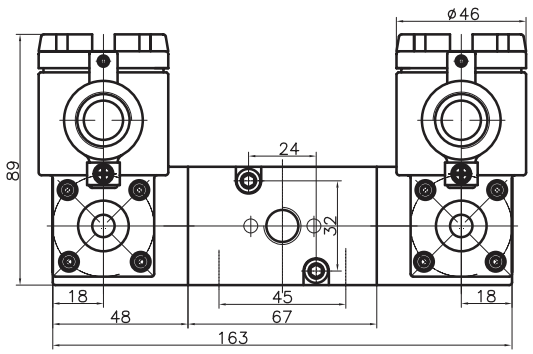


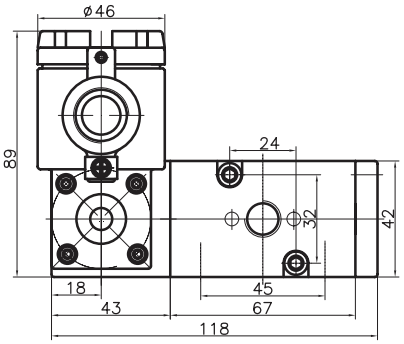
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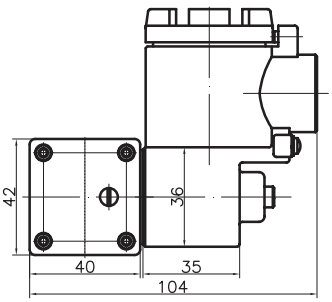
隔爆型 / Explosion proof
Exd IIC T6



Model: ***ASV-510F5***



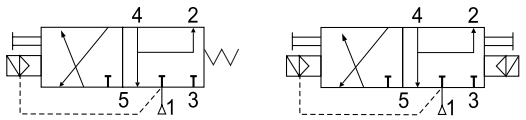




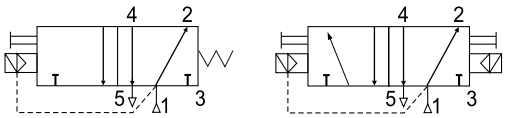
ASV6系列不锈钢316隔爆电磁阀 / ASV6 Series SS316 solenoid valve

技术数据 TECHNICAL DATA	
阀体规格 / Body Specifications	参数 Data
功能 Fuction	多功能阀体 / NAMUR, In-line, 5/2 and 3/2NC multifunction in one
有效截面积 CV	25mm2 (CV=1.4)
接管口径 Inlet	G 1/4"
工作介质 Working medium	经40微米过滤的干燥空气 / 40μm filtered dry air
动作方式 Action mode	先导式 / Pilot
使用压力 Service pressure	2 ~ 8bar
最大耐压力 Maximum Pressure Resistance	10bar
工作温度 working temperature	-20 ~ +70 ℃
工作寿命 Working life	3,000,000
线圈型号 Coil model	F5

外形图 DIMENSIONS

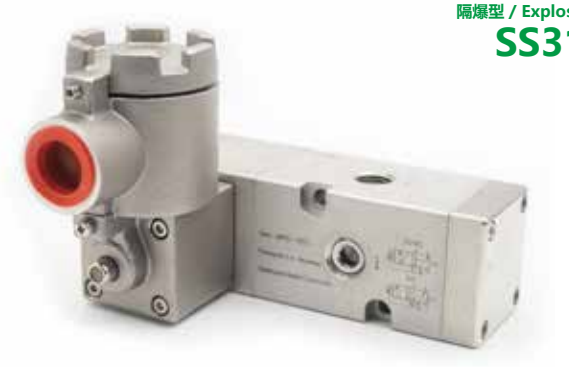


3/2 NC

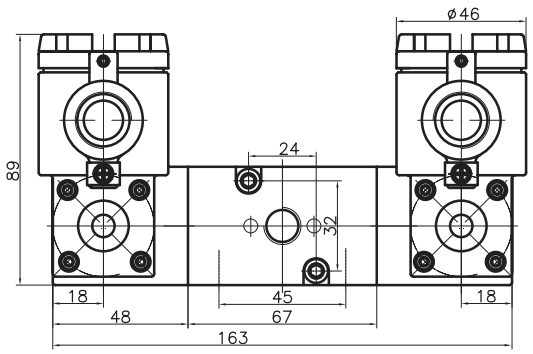


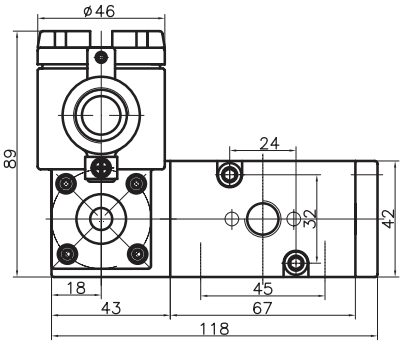
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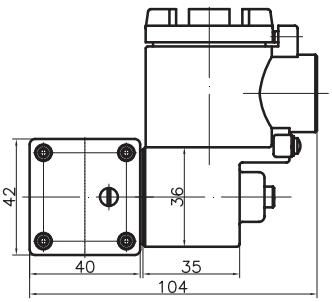
隔爆型 / Explosion proof
SS316



Model: ***ASV-610F6***







线圈规格及参数 / Coil specifications



C0 Coil

C0线圈参数 / C0 Coil Data	
工作电压 Operating Voltage	12/24VDC-4W 24/110/220/380VAC-4VA(50/60HZ)
电缆接口 Wiring Connector	DIN Plug
绝缘保护 Insulation Protection	F Class
绝缘电压 Insulated voltage	1000V
负载周期 Duty factor	100% ED
气候防护 Weather Proof	IP65, NEMA4, 4X
工作温度 Operating Temp.	-5℃ ~ +50℃ / -20℃ ~ +50℃(AMISCO)



F4 Coil

F4线圈参数 / F4 Coil Data	
工作电压 Operating Voltage	24VDC, <1W
线圈外壳 Coil Enclosure	Aluminum + Epoxy coated / 铝合金+烤漆
电缆接口 Wiring Connector	M20×1.5, 1/2"BSPP or NPT
绝缘保护 Insulation Protection	F Class Coil
绝缘电压 Insulated voltage	1000V
负载周期 Duty factor	100% ED
气候防护 Weather Proof	IP66
区域分类 Area Classification	Ⓔx II 1 G Exia IIC T6
工作温度 Operating Temp.	-10℃ ~ +50℃



F5 Coil

F5线圈参数 / F5 Coil Data	
工作电压 Operating Voltage	12/24VDC-3.5W/1.5W (50/60HZ) 110/220VAC-4VA 240VAC-4.5VA
线圈外壳 Coil Enclosure	Aluminum + Epoxy coated / 铝合金+烤漆
电缆接口 Wiring Connector	M20×1.5, 1/2"BSPP or NPT
绝缘保护 Insulation Protection	H Class Coil
绝缘电压 Insulated voltage	1000V
负载周期 Duty factor	100% ED
天气证明 Weather Proof	IP66
区域分类 Area Classification	Exd IIC T6, DIPA20 TA, T6
工作温度 Operating Temp.	-20℃ ~ +60℃



F6 Coil

F6线圈参数 / F6 Coil Data	
工作电压 Operating Voltage	12/24VDC-3.5W/1.5W (50/60HZ) 110/220VAC-4VA 240VAC-4.5VA
线圈外壳 Coil Enclosure	stainless steel (316)/不锈钢(316)
电缆接口 Wiring Connector	M20×1.5, 1/2"BSPP or NPT
绝缘保护 Insulation Protection	H Class Coil
绝缘电压 Insulated voltage	1000V
负载周期 Duty factor	100% ED
区域分类 Area Classification	Exd IIC T6, DIPA20 TA, T6
气候防护 Weather Proof	IP66
工作温度 Operating Tamp.	-20℃ ~ +60℃

配件 / Accessory



Model: AD-N1
(1/4")

板接式转接板 / Adaptor
N2 to N1 (5/2 to 3/2NC)



Model: ASC-P
(1/8", 1/4", 1/2")



Model: ASC-N
(1/4")

调速器
Speed Controller

产品名称 Name of Product	代号 Model	规格 Size	图片 Photo
铜质消音器 Brass Silencer	BS18-G/NPT	G or NPT1/8"	
	BS14-G/NPT	G or NPT1/4"	
	BS38-G/NPT	G or NPT3/8"	
	BS12-G/NPT	G or NPT1/2"	
铜质平头消声器 Brass Plain Silencer	BSP18-G/NPT	G or NPT1/8"	
	BSP14-G/NPT	G or NPT1/4"	
	BSP38-G/NPT	G or NPT3/8"	
	BSP12-G/NPT	G or NPT1/2"	
不锈钢平头消音器 Stainless steel Plain Silencer	SSP18-G/NPT	G or NPT1/8"	
	SSP14-G/NPT	G or NPT1/4"	
	SSP38-G/NPT	G or NPT3/8"	
	SSP12-G/NPT	G or NPT1/2"	
塑料消音器 Plastic Silencer	AB18-G/NPT	G or NPT1/8"	
	AB14-G/NPT	G or NPT1/4"	
	AB38-G/NPT	G or NPT3/8"	
	AB12-G/NPT	G or NPT1/2"	
铜质速度控制 Brass Speed Control	BSC18-G/NPT	G or NPT1/8"	
	BSC14-G/NPT	G or NPT1/4"	
	BSC38-G/NPT	G or NPT3/8"	
	BSC12-G/NPT	G or NPT1/2"	
铜质速度控制 Brass Speed Control	BSS18-G/NPT	G or NPT1/8"	
	BSS14-G/NPT	G or NPT1/4"	
	BSS38-G/NPT	G or NPT3/8"	
	BSS12-G/NPT	G or NPT1/2"	
铜质管接头 Brass Pipe Connector	BP18-G/NPT	G or NPT1/8"-6/8mm	
	BP14-G/NPT	G or NPT1/4"-6/8mm	
	BP38-G/NPT	G or NPT3/8"-6/8mm	
	BP12-G/NPT	G or NPT1/2"-6/8mm	
镀镍管接头 Nickel coated Pipe Connector	NP18-G/NPT	G or NPT1/8"-6/8mm	
	NP14-G/NPT	G or NPT1/4"-6/8mm	
	NP38-G/NPT	G or NPT3/8"-6/8mm	
	NP12-G/NPT	G or NPT1/2"-6/8mm	



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Pioneering Excellence

爱圣拓克(无锡)流体控制集团有限公司

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