

LNSYSNS

PNEUMATIC PRESSURE CONTROLLER



LNSYSNS

浙江巴力沃气动科技有限公司

ZHEJIANG BALIWO PNEUMATIC TECHNOLOGY Co.,LTD

地址：浙江省乐清市翁垟工业区
电话：0577-61666377 61666388
传真：0577-61666366
网址：www.lnsysns.com
邮箱：lnsysns@126.com

Address: Wengyang Industrial Zone, Yueqing City,
Zhejiang Province, China

Tel: +86-0577-61666377 61666388

Fax: +86-0577-61666366

Website: www.lnsysns.com

E-mail: lnsysns@126.com



浙江巴力沃气动科技有限公司

ZHEJIANG BALIWO PNEUMATIC TECHNOLOGY Co.,LTD

HS 系列
Series

压力控制器
Pressure Controller

单组型
Single group type



PRESSURE CONTROLLER
CHAOGUANG PNEUMATIC

规格型号/Specifications Model

A) 单组型
Single group type

HS自动复位型
HS automatic reset type

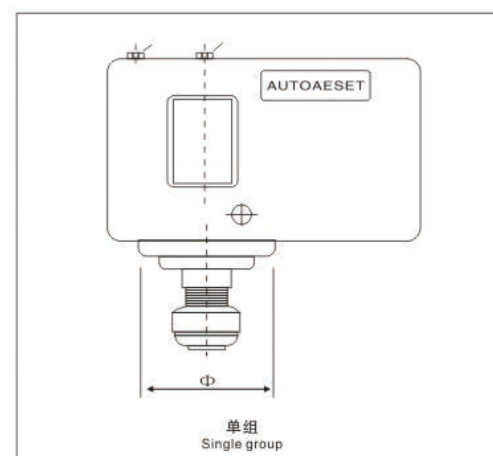
单位/unit MPa (kgf/cm²)

型号 Model	调整范围 Adjustment range		开关压差 Switch pressure		出厂时设定值 Factory set value		最大工作 压力 Max. working pressure	接点 形式 Contact form	重量 Weight
	最小 Min.	最大 Max.	最小 Min.	最大 Max.	off(on)	on(off)			
HS-200	-0.01 (-50cmHg)	-0.1 {1}	0.02 {0.05}	0.05 {0.5}	0.025 {0.25}	0.05 {0.5}	0.3 {3}	单组图 Single chart	0.33
HS-201	-0.06 (-50cmHg)	0.1 {1}	0.015 {0.15}	0.05 {0.5}			0.5 {5}		
HS-202	-0.02 (-50cmHg)	0.2 {2}	0.025 {0.25}	0.15 {1.5}			1 {10}		
HS-203	-0.06 (-50cmHg)	0.3 {3}	0.035 {0.35}	0.2 {2}	0.05 {0.5}	0.15 {1.5}	1.5 {15}		
HS-204	-0.06 (-50cmHg)	0.4 {4}	0.04 {0.4}		0.1 {1}	0.2 {2}	3 {30}		
HS-206	-0.06 (-50cmHg)	0.6 {6}	0.06 {0.6}	0.4 {4}	0.2 {2}	0.3 {3}	3.3 {33}		
HS-210	0.1 {1}	1 {10}	0.1 {1}	0.3 {3}	0.4 {4}	0.6 {6}	3.8 {38}		
HS-220	0.5 {5}	2 {20}	0.2 {2}	0.5 {5}	1.2 {12}	1.5 {15}	3 {30}	单组图 Single chart	0.33
HS-230		3 {30}	0.3 {3}	1 {10}	2 {20}	2.5 {25}	3.3 {33}		
HS-235	1 {10}	3.5 {35}	0.5 {5}	1.5 {15}	2.5 {25}	3 {30}	3.8 {38}		

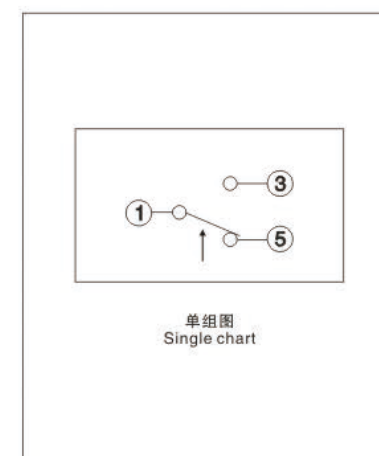
电气参数/Electrical parameters

额定电流 Rated current (A)	额定电压 Rated voltage (V)	AC125	AC250
非诱导电流 Non-induced current		24	12
最大负载 Maximum load		48	24
瞬时电流 Instantaneous current		144	72

外形尺寸/Dimensions



接线形式/Wiring form



SSNS 系列

压力控制器 Pressure Controller

单组型
Single group type



PRESSURE CONTROLLER
CHAOGUANG PNEUMATIC

规格型号

单组型
Single group type

SSNS自动复位型
SSNS automatic reset type

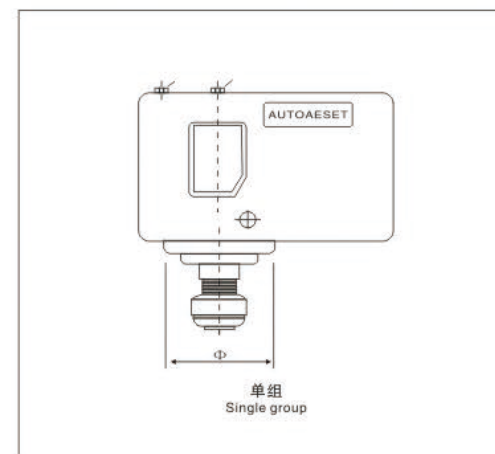
单位/unit MPa (kgf/cm²)

型号 Model	调整范围 Adjustment range		开关压差 Switch pressure		出厂时设定值 Factory set value		最大工作 压力 Max. working pressure	接点 形式 Contact form	重量 Weight
	最小 Min.	最大 Max.	最小 Min.	最大 Max.	off(on)	on(off)			
SSNS-100	-0.01 (-50cmHg)	-0.1 {1}	0.02 {0.05}	0.05 {0.5}	0.025 {0.25}	0.05 {0.5}	0.3 {3}	单组图 Single chart	0.33
SSNS-101	-0.06 (-50cmHg)	0.1 {1}	0.015 {0.15}	0.05 {0.5}			0.5 {5}		
SSNS-102	-0.02 (-50cmHg)	0.2 {2}	0.025 {0.25}	0.15 {1.5}			1 {10}		
SSNS-103	-0.06 (-50cmHg)	0.3 {3}	0.035 {0.35}	0.2 {2}	0.05 {0.5}	0.15 {1.5}	1.5 {15}		
SSNS-106	-0.06 (-50cmHg)	0.6 {6}	0.06 {0.6}	0.4 {4}	0.2 {2}	0.3 {3}	3 {30}		
SSNS-110	0.1 {1}	1 {10}	0.1 {1}	0.3 {3}	0.4 {4}	0.6 {6}	3.3 {33}		
SSNS-120	0.5 {5}	2 {20}	0.2 {2}	0.5 {5}	1.2 {12}	1.5 {15}	3.8 {38}		
SSNS-130		3 {30}	0.3 {3}	1 {10}	2 {20}	2.5 {25}			
SSNS-135	1 {10}	3.5 {35}	0.5 {5}	1.5 {15}	2.5 {25}	3 {30}			

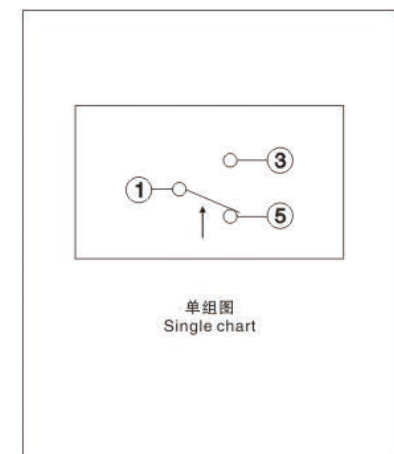
电气参数/Electrical parameters

额定电流 Rated current (A)	额定电压 Rated voltage (V)	AC125	AC250
非诱导电流 Non-induced current		24	12
最大负载 Maximum load		48	24
瞬时电流 Instantaneous current		144	72

外形尺寸/Dimensions



接线形式/Wiring form



SDNS 系列

压力控制器 Pressure Controller

双组型
Double type



PRESSURE CONTROLLER
CHAOGUANG PNEUMATIC

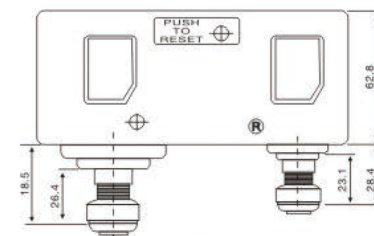
规格型号/Specifications Model

双组型 Double type SDNS手动复位型 SDNS manual reset type

单位/unit MPa {kgf/cm²}

型号 Model		调整范围 Adjustment range		开关压差 Switch pressure		出厂时设定值 Factory set value		最大工作 压力 Max. working pressure	接口 形式 Contact form	重量 Weight
		最小 Min.	最大 Max.	最小 Min.	最大 Max.	off(on)	on(off)			
SDNS-304M	低压侧 Low pressure side	-0.06 (-50cmHg)	0.4 {4}	0.04 {0.4}	0.2 {2}	0.1{1}	0.2{2}	1.5 {15}	图2 Figure 2	0.49
	高压侧 High pressure side	0.8 {8}	3 {30}	压力上升时自动动作, 压力下降时手动复位 When the pressure rises automatically, when the pressure drops manually reset		2{20}	手动复位 Manual reset	3.3 {33}		
SDNS-306M	低压侧 Low pressure side	-0.06 (-50cmHg)	0.6 {6}	0.06 {0.6}	0.4 {4}	0.2{2}	0.3{3}	1.5 {15}	图4 Figure 4	
	高压侧 High pressure side	0.8 {8}	3{30}	压力上升时自动动作, 压力下降时手动复位 When the pressure rises automatically, when the pressure drops manually reset		2 {20}	手动复位 Manual reset	3.3 {33}		
SDNS-604M	低压侧 Low pressure side	-0.06 (-50cmHg)	0.4 {4}	0.04 {0.4}	0.2 {2}	0.1 {1}	0.2 {2}	1.5 {15}	图5 Figure 5	
	高压侧 High pressure side	0.8 {8}	3 {30}	压力上升时自动动作, 压力下降时手动复位 When the pressure rises automatically, when the pressure drops manually reset		2{20}	手动复位 Manual reset	3.3 {33}		
SDNS-606M	低压侧 Low pressure side	-0.06 (-50cmHg)	0.6 {6}	0.06 {0.6}	0.4 {4}	0.2{2}	0.3{3}	1.5 {15}	图5 Figure 5	
	高压侧 High pressure side	0.8 {8}	3 {30}	压力上升时自动动作, 压力下降时手动复位 When the pressure rises automatically, when the pressure drops manually reset		2{20}	手动复位 Manual reset	3.3 {33}		
SDNS-606MM	低压侧 Low pressure side	-0.06 (-50cmHg)	0.6 {6}	压力上升时自动动作, 压力下降时手动复位 When the pressure rises automatically when the pressure drops automatically		0.2 {2}	手动复位 Manual reset	1.5 {15}	图5 Figure 5	
	高压侧 High pressure side	0.8 {8}	3 {30}	压力上升时自动动作, 压力下降时手动复位 When the pressure rises automatically, when the pressure drops manually reset		2 {20}	3.3 {33}			

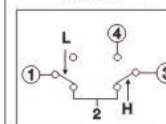
外形尺寸/Dimensions



双组
Double group

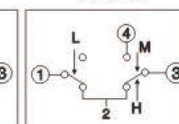
接线形式/Wiring form

图/Figure 1



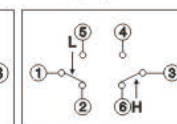
SDNS-304M
SDNS-306M

图/Figure 2



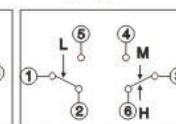
SDNS-304M
SDNS-306M

图/Figure 2



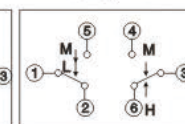
SDNS-604M
SDNS-606M

图/Figure 4



SDNS-604M
SDNS-606M

图/Figure 5



SDNS-606MM

SWNS 系列

压差控制器 Differential pressure controller

双组型
Double type



PRESSURE CONTROLLER
CHAOGUANG PNEUMATIC

规格型号/Specifications Model

单位/unit MPa (kgf/cm²)

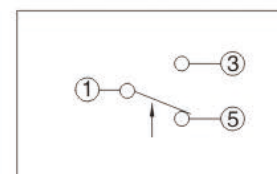
型号 Model	调整范围 Adjustment range		开关压差 Switch pressure		出厂时设定值 Factory set value		最大工作 压力 Max. working pressure	制限 压力 Limit pressure (HP>LP)	重量 Weight (kg)
	最小 Min.	最大 Max.	最小 Min.	最大 Max.	off(on)	on(off)			
SWNS-102X	0.03 {0.3}	0.2 {2}	0.03 {0.3}	0.15 {1.5}	0.05 {0.5}	0.02 {0.2}	0.5 {5}	0.5 {5}	0.43
SWNS-106X	0.05 {0.5}	0.35 {3.5}	0.05 {0.5}	0.25 {2.5}	0.1 {1.0}	0.05 {0.5}	1.5 {15}	1.5 {15}	

使用流体温度: -20~120; HP:高压侧 LP:低压侧
Use the fluid temperature: -20 ~ 120 HP: High pressure side LP: Low side

电气参数/Electrical parameters

额定电流 Rated current (A)	额定电压 Rated voltage (V)	功率 Power(cos φ)	125/250 V.AC
无感电流 No sense of current		1	12
感应电流 Induced current	满载电流 Full load current	0.75	
	瞬时电流 Instantaneous current	0.75	72

接点形式/Contact form



1	共同接头/Common joint
3	压力上升时闭/When the pressure rises
5	压力下降时闭/When the pressure drops

箭头 ↑ : 表示压差增大时的动作方向。
Arrow ↑ : Indicates the direction of movement when the pressure difference increases.

KP 系列
Series

压力控制器
Pressure Controller

单/双组型
Single/double type



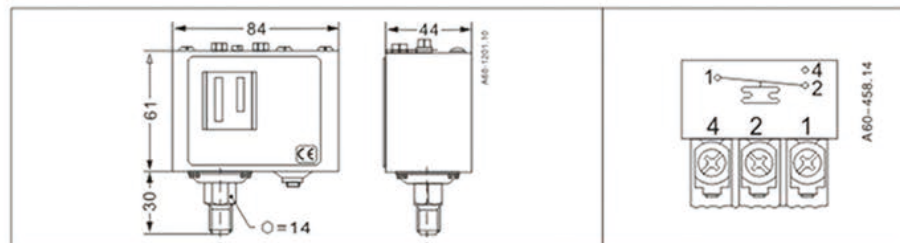
PRESSURE CONTROLLER
CHAO GUANG PNEUMATIC

规格型号/Specifications Model

单位/unit MPa (kgf/cm²)

型号 Model	压力 Pressure	低压(LP) Low pressure		高压(HP) High pressure		复位 Reset		接触系统 Contact system	产品接口 Product interface
		调整范围 Adjustment range(bar)	压差 bar	调整范围 Adjustment range(bar)	压差 bar	低压(LP) Low pressure	高压(HP) High pressure		
KP1	低压 Low pressure	-0.2→7.5	-0.7→4.0			自动 Automatic	自动 Automatic	单刀双掷 Single pole double throw	1/4 flare ext
KP1	低压 Low pressure	-0.9→7.0	固定0.7 Fixed 0.7			手动 Manual			
KP2	低压 Low pressure	-0.2→5.0	0.4→15			自动 Automatic			
KP5	高压 High pressure			8→32	1.8→6.0				
KP5	高压 High pressure			8→32	固定3 Fixed 3		手动 Manual		
KP15	双压 Double pressure	-0.2→7.5	0.7→4.0	8→32	固定4 Fixed 4	自动 Automatic	自动 Automatic	单刀双掷 Single pole double throw + 低压信号 low voltage signal	
KP15	双压 Double pressure	-0.2→7.5	0.7→4.0	8→32	固定4 Fixed 4	自动 Automatic	手动 Manual		
KP15	双压 Double pressure	-0.9→7.0	固定0.7 Fixed 0.7	8→32	固定4 Fixed 4	手动 Manual	手动 Manual		
KP15	双压 Double pressure	-0.9→7.0	固定0.7 Fixed 0.7	8→32	固定4 Fixed 4	可变 Variable	可变 Variable		
KP35	低压 Low pressure	0.2→7.5	0.7→4.0			自动 Automatic			G1/4A
KP36	低压 Low pressure	2→14	1→4.0			自动 Automatic			G1/4A

外形尺寸/Dimensions



接线形式/Wiring form

带标准AG触点的触点系统单极转换开关(SPDT) Contact system with standard AG contacts Single pole changeover switch(SPDT)		联系系统与金触点单极转换开关(SPDT) Contact system with gold contacts Single pole changeover switch (SPDT)	
交流电流/Alternating current:	SPDT	交流电流/Alternating current:	SPDT
AC-1: 16,400V		AC-1: 10,400V	
AC-3: 16A,400V		AC-3: 6A,400V	
AC-15: 10A,230V		AC-15: 4A,230V	
直流电流/Direct current:		直流电流/Direct current:	
DC-3: 12W,230V		DC-13: 12W,230V	

设备制冷控制器/Equipment refrigeration controller

电压/Voltage		FL A	LR A	抵抗/Resist.lead	试点职责/Pilot duty
AC	DC				
240		8	48	8A	3A
120		16	96	16A	
	240				12W

仅使用铜线拧紧扭矩20磅/Use copper wire only Tightening torque 20 lb.in.

HFS 系列

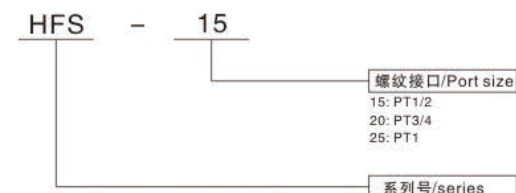
流量开关

Flow Switch



FLOW SWITCH
CHAOGUANG PNEUMATIC

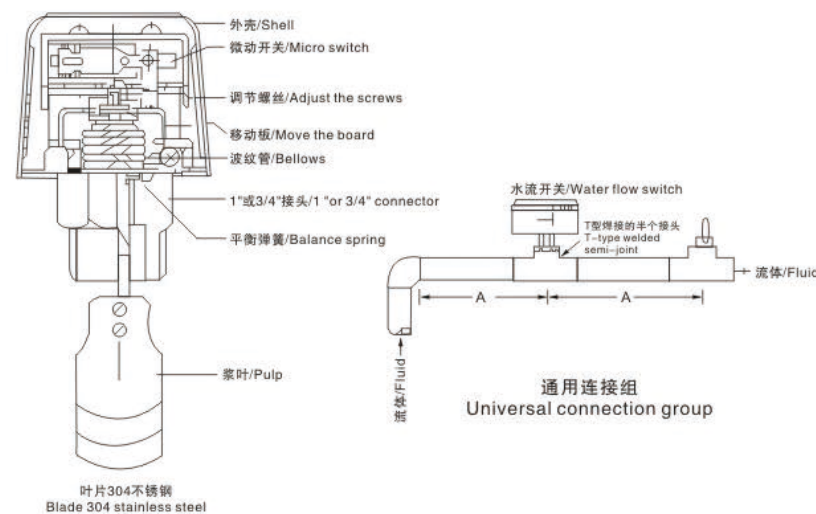
■ 订货型号/Ordering model



■ 技术参数/Technical Parameters

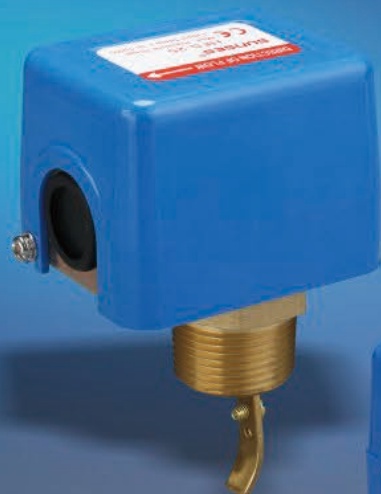
型号 Model	HFS-15	HFS-20	HFS-25
控制方式 Control method	开关 Switch		
最大静压 Maximum static pressure	10kgf/cm ² 、20kgf/cm ²		
环境温度范围 Ambient temperature range	0~60℃		
最高液体温度 Maximum liquid temperature	100℃		
电子开关 Electronic switch	单机双投值:200VAC, 15A Single vote double vote: 200VAC, 15A		
连接体 Connector body	螺丝接线端 Screw terminal		
包装 Package	塑料外壳和1/2导电管口 Plastic housing and 1/2 conductive nozzle		

■ 内部结构图/Internal structure map



FQS/LKB 系列

流量开关 Flow Switch



FQS流量开关

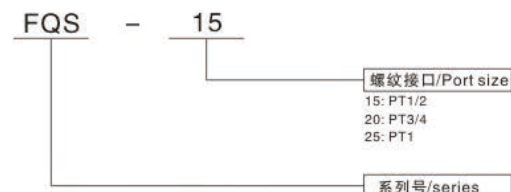


LKB-01D流量开关

FLOW SWITCH

CHAOGUANG PNEUMATIC

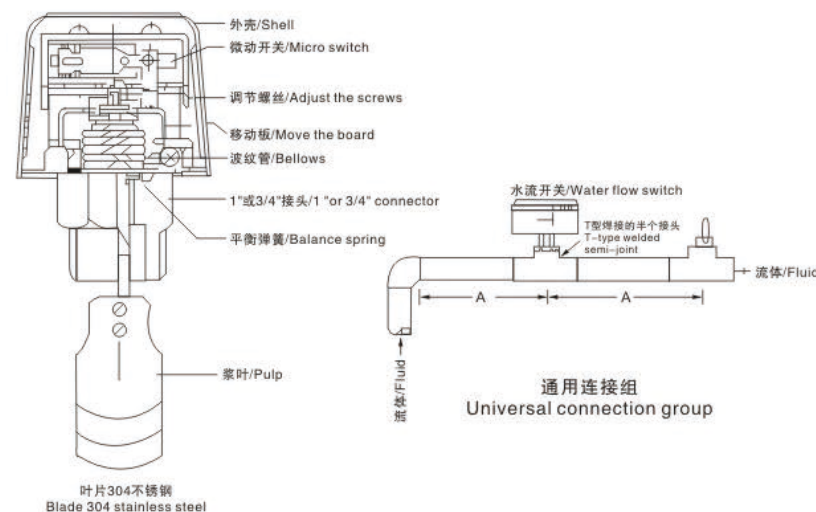
■ 订货型号/Ordering model



■ 技术参数/Technical Parameters

型号 Model	FQS-15	FQS-20	FQA-25
控制方式 Control method	开关 Switch		
最大静压 Maximum static pressure	10kgf/cm ² 、20kgf/cm ²		
环境温度范围 Ambient temperature range	0~60℃		
最高液体温度 Maximum liquid temperature	100℃		
电子开关 Electronic switch	单机双投值:200VAC, 15A Single vote double vote: 200VAC, 15A		
连接体 Connector body	螺丝接线端 Screw terminal		
包装 Package	塑料外壳和1/2导电管口 Plastic housing and 1/2 conductive nozzle		

■ 内部结构图/Internal structure map



F61KB 系列

江森款流量开关 Jiang Sen section flow switch



LIQUID FLOW SWITCH
CHAOGUANG PNEUMATIC

规格型号

开关动作所需的流量(m3/h) GPM(m³/hr)Required to Actuate Switch												
管径(mm) Pipe Size(in.)		1	1-1/4	1-1/2	2	2-1/2	3	4*	5*	6*	8*	
最小调整 Minimum Adjustment	流量增加 (红-黄闭合) Flow Increase R to Y Closes**	4.2 (1.0)	5.8 (1.3)	7.5 (1.7)	13.7 (3.1)	18.0 (4.1)	27.5 (6.2)	65.0 (14.8)	125.0 (28.4)	190.0 (43.1)	375.0 (85.2)	
								37.0+ (8.4)	57.0+ (12.9)	74.0+ (16.8)	205.0+ (46.6)	
								50.0 (11.4)	101.0 (22.9)	158.0 (35.9)	320.0 (72.7)	
	流量减少 (红-蓝闭合) Flow Decrease R to B Closes**	2.5 (0.6)	3.7 (0.8)	5.0 (1.1)	9.5 (2.2)	12.5 (2.8)	19.0 (4.3)	27.0+ (6.1)	41.0+ (9.3)	54.0+ (12.3)	170.0+ (38.6)	
最大调整 Maximum Adjustment	流量增加 (红-黄闭合) Flow Increase R to Y Closes**	8.8 (2.0)	13.3 (3.0)	19.2 (4.4)	29.0 (6.6)	34.5 (7.8)	53.0 (12.0)	128.0 (29.1)	245.0 (55.6)	375.0 (85.2)	760.0 (172.6)	
								81.0+ (18.4)	118.0+ (26.8)	144.0+ (32.7)	415.0+ (94.2)	
								122.0 (27.7)	235.0 (53.4)	360.0 (81.8)	730.0 (165.8)	
	流量减少 (红-蓝闭合) Flow Decrease R to B Closes**	8.5 (1.9)	12.5 (2.8)	18.0 (4.1)	27.0 (6.1)	32.0 (7.3)	50.0 (11.4)	76.0+ (17.3)	111.0+ (25.2)	135.0+ (30.7)	400.0+ (90.8)	

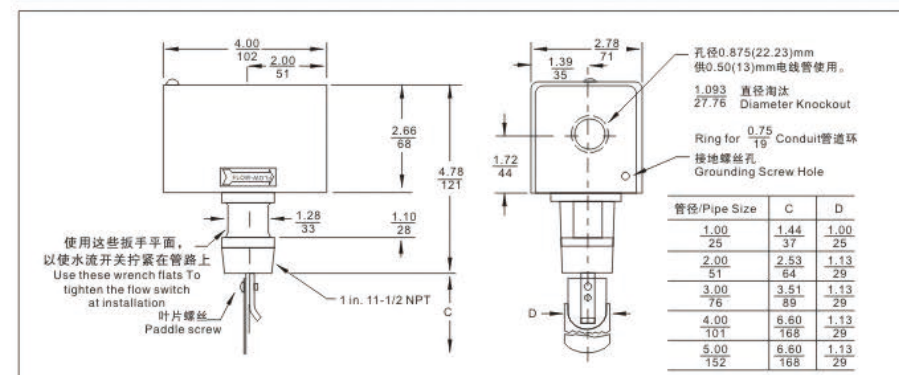
*计算这些尺寸的流量。

+ GPM数字是用于6英寸叶片的开关，分别为4英寸和5英寸。管线管道，6英寸。叶片分别修剪为4英寸和5英寸长。

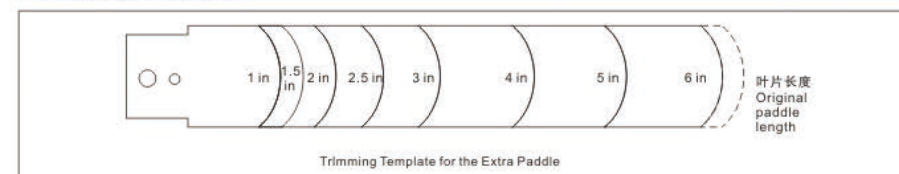
*Flow rates for these sizes are calculated.

+GPM figures are for a switch with a 6 in. Paddle. For 4 in. And 5 in. Line pipe, the 6 in. Paddle is trimmed to a 4 in. and 5 in. length, respectively.

外型尺寸/Dimensions



安装/Installation



CFS 系列

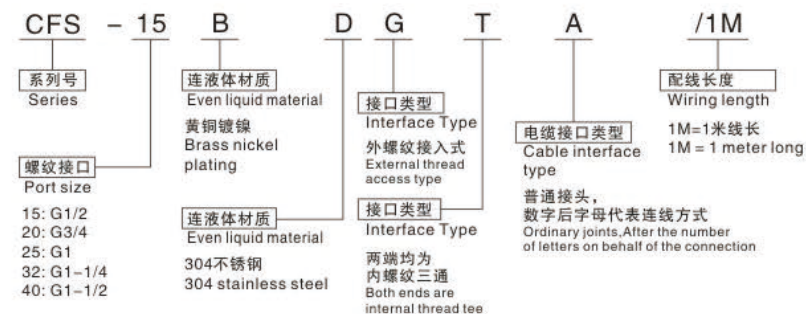
流量开关

Flow Switch



FLOW SWITCH
CHAOGUANG PNEUMATIC

■ 订货型号/Ordering model



■ 技术参数/Technical Parameters

接线方式 Wiring	直接附线可选 Direct connection optional
输出 Output	SPDT微动开关两线/三线输出可选, 并可选配带状态指示灯 SPDT micro switch two-wire / three-wire output optional, and optional with status indicator
耐压 Pressure	25bar(可定制更高的承压) 25bar (can be customized higher pressure)
平均压力损失 Average pressure loss	0.01bar(流量最大时) 0.01bar (when the flow is maximum)
换液壳耐温 For the liquid shell temperature	-20~110℃
外壳防护等级 Enclosure rating	IP65
挡板 Baffle	304不锈钢 304 stainless steel
外壳材质 Electrical housing	ABS

■ 外型尺寸/Dimensions

