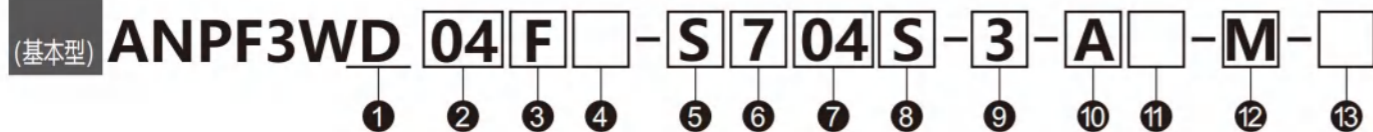
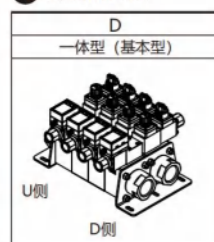


型号表示方法



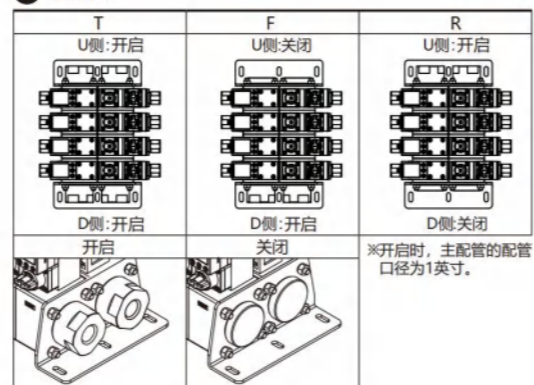
1 集装箱类型



2 系统

记号	位数	流量范围		
		04	20	40
01	1位	•	•	•
02	2位	•	•	•
03	3位	•	•	•
04	4位	•	•	•
05	5位	•	•	•
06	6位	•	•	—
07	7位	•	•	—
08	8位	•	•	—
09	9位	•	•	—
10	10位	•	•	—

3 主配管



4 主配管 / 附件螺纹种类

无记号	Rc
N	NPT
F	G※

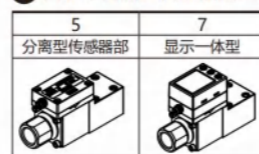
※依据 ISO228

5 供给单元构成

记号	无记号	S	V	A
流量调节阀	—	•	—	•
截止阀	—	—	•	•

※供给单元不对应流量传感器。
※本产品的流量调节阀不适合用于经常调节流量和停止流量。
※本产品的截止阀不适合用于调节流量。

6 回水单元流量传感器类型



7 回水单元 额定流量范围(量程)

记号	额定流量范围(量程)
04	0.5 ~ 4L/min
20	2 ~ 16L/min
40	5 ~ 40L/min

8 回水单元构成

记号	无记号	S	V	A
流量调节阀	—	•	—	•
截止阀	—	—	•	•

※回水单元可搭载流量传感器。(图为显示一体型的示例)
※本产品的流量调节阀不适合用于经常调节流量和停止流量。
※本产品的截止阀不适合用于调节流量。

9 供给 / 回水单元配管口径

记号	口径	额定流量范围(量程)		
		04	20	40
03	3/8	•	△※1	—
04	1/2	—	•	△※1
06	3/4	—	—	•

注1) 订制规格

10 回水单元 流量传感器输出规格

参见表1

11 回水单元流量传感器用导线 / 可选项

无记号	带M8插头的导线 (3m)
U	不带M8插头的导线
V	带M12-M8转换导线(0.1m) ^{※2}

注2) 还另外准备了带M12插头的电缆 (3m)。
※流量传感器的导线同包出厂。

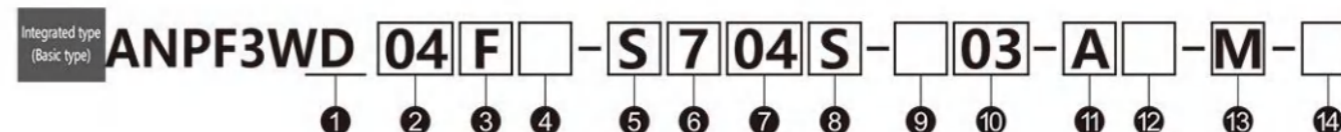
12 回水单元 流量传感器单位规格

参见表2

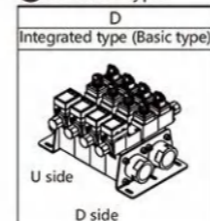
13 非标定制

参见表3

Model designation method



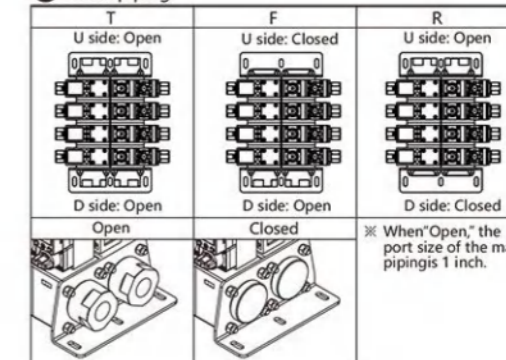
1 Manifold type



2 System

Symbol	Stations	Flow range		
		04	20	40
01	1 Station	•	•	•
02	2 Stations	•	•	•
03	3 Stations	•	•	•
04	4 Stations	•	•	•
05	5 Stations	•	•	•
06	6 Stations	•	•	—
07	7 Stations	•	•	—
08	8 Stations	•	•	—
09	9 Stations	•	•	—
10	10 Stations	•	•	—

3 Main piping



※When "Open," the port size of the main piping is 1 inch.

4 Main piping/Attachment thread type

Nil	Rc
N	NPT
F	G※

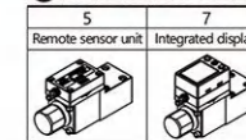
※ISO 228 compliant

5 Supply unit components

Symbol	Nil	S	V	A
Flow adjustment valve	—	•	—	•
Stop valve	—	—	•	•

※The flow switch is not applicable for the supply unit.
※This flow adjustment valve is not suitable for applications which require constant adjustment or stopping of flow.
※The stop valve of this product is not suitable for applications which require adjustment of flow rate.

6 Return unit Flow switch type



7 Return unit Rated flow range (Flow range)

Symbol	Rated flow range (Flow range)
04	0.5 ~ 4L/min
20	2 ~ 16L/min
40	5 ~ 40L/min

8 Return unit components

Symbol	Nil	S	V	A
Flow adjustment valve	—	•	—	•
Stop valve	—	—	•	•

※Flow switch is installed on the return unit. (Example shows the integrated display type).
※This flow adjustment valve is not suitable for applications which require constant adjustment or stopping of flow.
※The stop valve of this product is not suitable for applications which require adjustment of flow rate.

9 Main piping/Attachment thread type

Nil	Rc
N	NPT
F	G※

※ISO 228 compliant

10 Supply/Return unit port size

Symbol	Port size	Rated flow range (Flow range)		
		04	20	40
03	3/8	•	△※1	—
04	1/2	—	•	△※1
06	3/4	—	—	•

※1 Made to order

11 Return unit Flow switch output specifications

Refer to Table 1

12 Return unit: Lead wire for flow switch (Option)

Nil	With lead wire with M8 connector (3m)
U	Without lead wire with M8 connector
V	With M12-M8 conversion lead wire (0.1m) ^{※2}

※2) A cable (3m) with an M12 connector is also available separately. For details, refer to the Web Catalog.
※Lead wires for the flow switch will be included with the product.

13 Return unit Flow switch unit specifications

Refer to Table 2

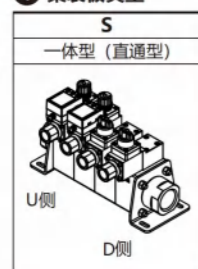
14 Non standard customization

Refer to Table 3

型号表示方法



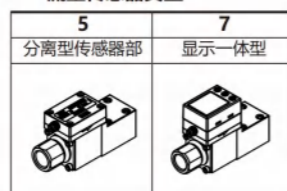
1 集装箱类型



2 系统

记号	位数	流量范围
01	1位	04 20 40
02	2位	• • •
03	3位	• • •
04	4位	• • •
05	5位	• • •

6 回水单元
流量传感器类型



4 主配管 / 附件
螺纹种类

无记号	Rc
N	NPT
F	G※

※依据 ISO228

5 供给单元构成

记号	无记号	S	V	A
流量调节阀	—	•	—	•
截止阀	—	—	•	•

※供给单元不对应流量传感器。
※本产品的流量调节阀不适合用于经常调节流量和停止流量。
※本产品的截止阀不适合用于调节流量。

8 回水单元构成

记号	无记号	S	V	A
流量调节阀	—	•	—	•
截止阀	—	—	•	•

※回水单元可搭载流量传感器。(图为显示一体型的示例)
※本产品的流量调节阀不适合用于经常调节流量和停止流量。
※本产品的截止阀不适合用于调节流量。

10 回水单元
流量传感器
输出规格
参见表1

11 回水单元
流量传感器用导线 / 可选项

无记号	带M8插头的导线(3m)
U	不带M8插头的导线
V	带M12-M8转换导线(0.1m) ^{注2)}

注2) 还另外准备了带M12插头的电缆(3m)。详情请参阅官网[产品目录]。
※流量传感器的导线同包出厂。

12 回水单元
流量传感器
单位规格
参见表2

9 供给 / 回水单元
配管口径

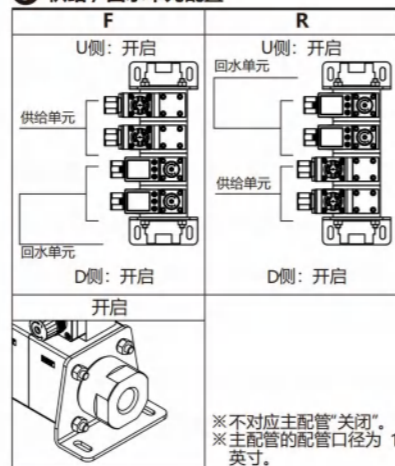
记号	口径	额定流量范围 (量程)		
		04	20	40
03	3/8	•	△ 注1)	—
04	1/2	—	•	△ 注1)
06	3/4	—	—	•

注1) 订制规格

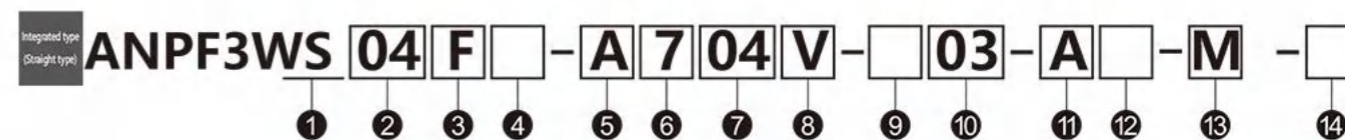
7 回水单元
额定流量范围
(量程)

记号	额定流量范围 (量程)
04	0.5~4L/min
20	2~16L/min
40	5~40L/min

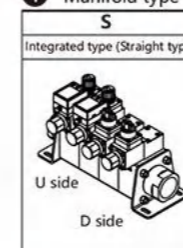
3 供给 / 回水单元配置



Model designation method



1 Manifold type



4 Main piping / Attachment
thread type

Nil	Rc
N	NPT
F	G※

※ISO 228 compliant

5 Supply unit components

Symbol	Nil	S	V	A
Flow adjustment valve	—	•	—	•
Stop valve	—	—	•	•

※The flow switch is not applicable for the supply unit.
※The stop valve of this product is not suitable for applications which require adjustment of flow rate.
※This flow adjustment valve is not suitable for applications which require constant adjustment or stopping of flow.

8 Return unit components

Symbol	Nil	S	V	A
Flow adjustment valve	—	•	—	•
Stop valve	—	—	•	•

※Flow switch is installed on the return unit. (Example shows the integrated display type).
※This flow adjustment valve is not suitable for applications which require constant adjustment or stopping of flow.
※The stop valve of this product is not suitable for applications which require adjustment of flow rate.

11 Return unit
Flow switch output
specifications
Refer to Table 1

12 Return unit
Lead wire for flow switch (Option)

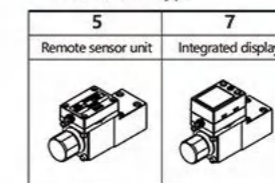
Nil	With lead wire with M8 connector (3m)
U	Without lead wire with M8 connector
V	With M12-M8 conversion lead wire (0.1m) ^{*2)}

*2) A cable (3m) with an M12 connector is also available separately. For details, refer to the Web Catalog
※Lead wires for the flow switch will be included with the product.

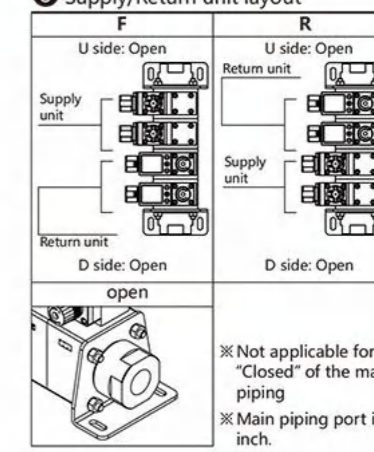
2 System

Symbol	Stations	Flow range
01	1 Station	04 20 40
02	2 Stations	• • •
03	3 Stations	• • •
04	4 Stations	• • •
05	5 Stations	• • •

6 Return unit
Flow switch type



3 Supply/Return unit layout



7 Return unit
Rated flow range
(Flow range)

Symbol	Rated flow range (Flow range)
04	0.5~4L/min
20	2~16L/min
40	5~40L/min

9 Main piping / Attachment
thread type

Nil	Rc
N	NPT
F	G※

※ISO 228 compliant

10 Supply/Return unit Port size

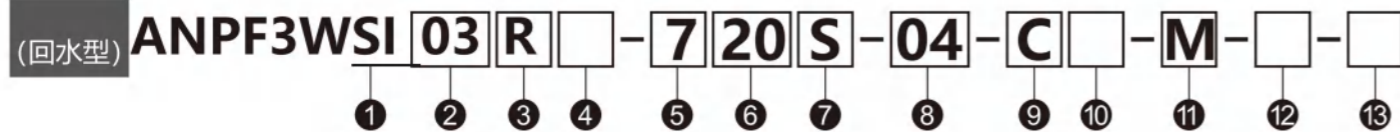
Symbol	Port size	Rated flow range (Flow range)		
		04	20	40
03	3/8	•	△ ※1)	—
04	1/2	—	•	△ ※1)
06	3/4	—	—	•

※1 Made to order

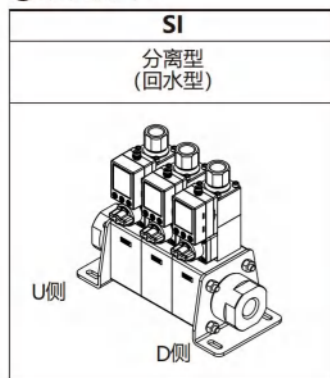
13 Return unit
Flow switch unit
specifications
Refer to Table 2

14 Non
standard
customization

型号表示方法



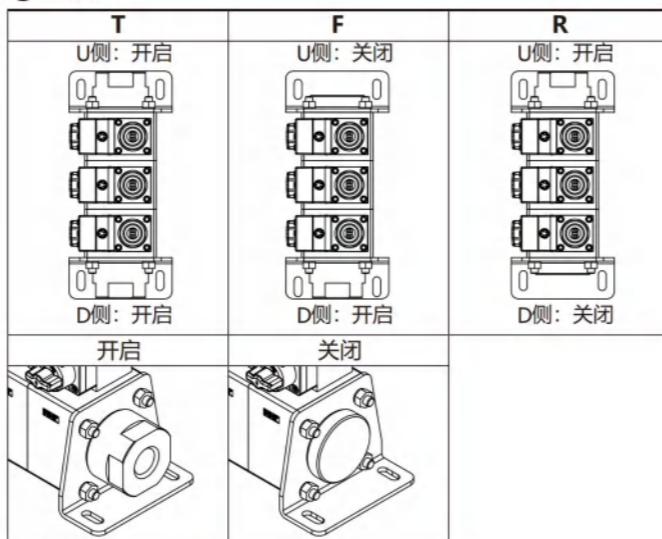
1 集装箱类型



2 系统

记号	位数	流量范围		
		04	20	40
01	1位	•	•	•
02	2位	•	•	•
03	3位	•	•	•
04	4位	•	•	•
05	5位	•	•	•
06	6位	•	•	—
07	7位	•	•	—
08	8位	•	•	—
09	9位	•	•	—
10	10位	•	•	—

3 主配管



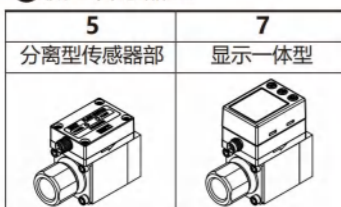
※开启时，主配管的配管口径为1英寸。

4 主配管 螺纹种类

无记号	Rc
N	NPT
F	G※

※依据 ISO228

5 流量传感器型



6 额定流量范围 (量程)

记号	额定流量范围 (量程)
04	0.5~4L/min
20	2~16L/min
40	5~40L/min

8 回水单元配管口径

记号	口径	额定流量范围 (量程)		
		04	20	40
03	3/8	•	△ 注1)	—
04	1/2	—	•	△ 注1)
06	3/4	—	—	•

注1) 订制规格

9 流量传感器 输出规格

参见表1

7 回水单元构成

记号	无记号	S	V	A
流量调节阀	—	•	—	•
截止阀	—	—	•	•

※回水单元搭载有流量传感器。(图为显示一体型的示例)
 ※本产品的流量调节阀不适合用于经常调节流量和停止流量。
 ※本产品的截止阀不适合用于调节流量。

10 流量传感器用导线 / 可选项

无记号	带M8插头的导线(3m)
U	不带M8插头的导线
V	带M12-M8转换导线(0.1m) 注2)

注2) 还另外准备了带M12插头的电缆(3m)
 详情请参见官网产品目录。
 ※流量传感器的导线同包出厂。

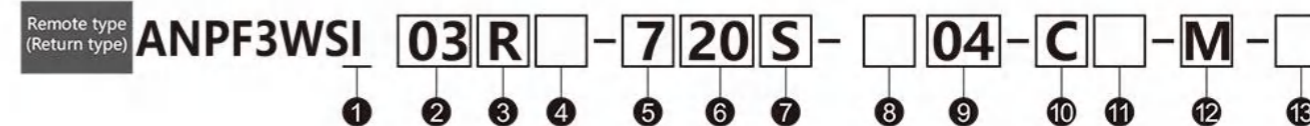
12 配管方向



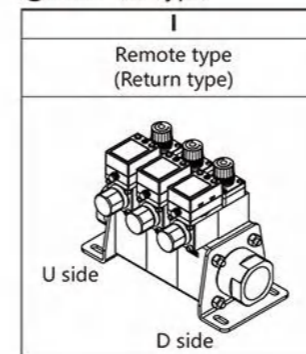
13 非标定制

参见表3

Model designation method



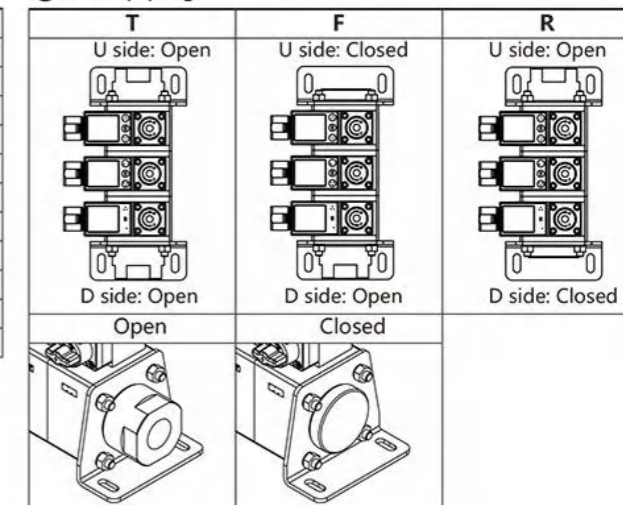
1 Manifold type



2 System

Symbol	Stations	Flow range		
		04	20	40
01	1 Station	•	•	•
02	2 Stations	•	•	•
03	3 Stations	•	•	•
04	4 Stations	•	•	•
05	5 Stations	•	•	•
06	6 Stations	•	•	—
07	7 Stations	•	•	—
08	8 Stations	•	•	—
09	9 Stations	•	•	—
10	10 Stations	•	•	—

3 Main piping



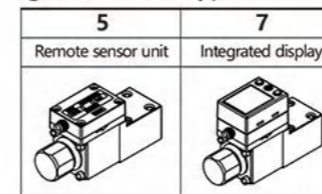
※When "Open," the port size of the main piping is 1 inch.

4 Main piping / Attachment thread type

Nil	Rc
N	NPT
F	G※

※ISO 228 compliant

5 Flow switch type



6 Rated flow range (Flow range)

Symbol	Rated flow range (Flow range)
04	0.5~4L/min
20	2~16L/min
40	5~40L/min

7 Return unit components

Symbol	Nil	S	V	A
Flow adjustment valve	—	•	—	•
Stop valve	—	—	•	•

※Flow switch is installed on the return unit. (Example shows the integrated display type.)
 ※This flow adjustment valve is not suitable for applications which require constant adjustment or stopping of flow.
 ※The stop valve of this product is not suitable for applications which require adjustment of flow rate.

8 Main piping / Attachment thread type

Nil	Rc
N	NPT
F	G※

※ISO 228 compliant

9 Return unit port size

Symbol	Port size	Rated flow range (Flow range)		
		04	20	40
03	3/8	•	△ ※1	—
04	1/2	—	•	△ ※1
06	3/4	—	—	•

※1 Made to order

10 Flow switch output specifications

Refer to Table 1

11 Lead wire for flow switch (Option)

Nil	With lead wire with M8 connector(3m)
U	Without lead wire with M8 connector
V	With M12-M8 conversion lead wire(0.1m)※

※2) A cable (3m) with an M12 connector is also available separately. For details, refer to the Web Catalog

※Lead wires for the flow switch will be included with the product.

12 Flow switch unit specifications

Refer to Table 2

13 Non standard customization

Refer to Table 3

型号表示方法

Model designation method

分离型
(供给型)

ANPF3WSO 03 F - S 20 - 04 - - -

Remote type
(Supply type)

ANPF3WSO 03 F - S 20 - 04 - - -

1 集装箱类型

SO
分离型 (供给型)
U侧
D侧

2 系统

记号	位数	流量范围		
		04	20	40
01	1位	•	•	•
02	2位	•	•	•
03	3位	•	•	•
04	4位	•	•	•
05	5位	•	•	•
06	6位	•	•	—
07	7位	•	•	—
08	8位	•	•	—
09	9位	•	•	—
10	10位	•	•	—

3 主配管

T	F	R
U侧: 开启	U侧: 关闭	U侧: 开启
D侧: 开启	D侧: 开启	D侧: 关闭
开启	关闭	

※开启时, 主配管的配管口径为1英寸。

4 主配管螺纹种类

无记号	Rc
N	NPT
F	G※

※依据 ISO228

5 供给单元构成

记号	无记号	S	V	A
流量调节阀	—	•	—	•
截止阀	—	—	•	•

※供给单元不对应流量传感器。
※本产品的流量调节阀不适合用于经常调节流量和停止流量。
※本产品的截止阀不适合用于调节流量。

6 额定流量范围 (量程)

记号	额定流量范围 (量程)
04	0.5~4L/min
20	2~16L/min
40	5~40L/min

7 供给单元配管口径

记号	口径	额定流量范围 (量程)		
		04	20	40
03	3/8	•	△注1)	—
04	1/2	—	•	△注1)
06	3/4	—	—	•

注1) 订制规格

8 配管方向

无记号	
R	
L	

9 非标定制

参见表3

1 Manifold type

SO
Remote type(Supply type)
U side
D side

2 System

Symbol	Stations	Flow range		
		04	20	40
01	1 Station	•	•	•
02	2 Stations	•	•	•
03	3 Stations	•	•	•
04	4 Stations	•	•	•
05	5 Stations	•	•	•
06	6 Stations	•	•	—
07	7 Stations	•	•	—
08	8 Stations	•	•	—
09	9 Stations	•	•	—
10	10 Stations	•	•	—

3 Main piping

T	F	R
U side: Open	U side: Closed	U side: Open
D side: Open	D side: Open	D side: Closed
Open	Closed	

※ When "Open," the port size of the main piping is 1 inch.

4 Main piping/Attachment thread type

Nil	Rc
N	NPT
F	G※

※ISO 228 compliant

5 Supply unit components

Symbol	Nil	S	V	A
Flow adjustment valve	—	•	—	•
Stop valve	—	—	•	•

※ The flow switch is not applicable for the supply unit.
※ The stop valve of this product is not suitable for applications which require adjustment of flow rate.

※ This flow adjustment valve is not suitable for applications which require constant adjustment or stopping of flow.

7 Main piping/Attachment thread type

Nil	Rc
N	NPT
F	G※

※ISO 228 compliant

8 Supply unit port size

Symbol	Port size	Rated flow range (Flow range)		
		04	20	40
03	3/8	•	△※1)	—
04	1/2	—	•	△※1)
06	3/4	—	—	•

※1 Made to order

9

Non standard customization Refer to Table 3

表1 回水单元流量传感器输出规格

类型	记号	OUT1	OUT2		温度传感器	
		流量/温度 ^{注5)}	流量	温度		
分离型传感器部	1	模拟1~5V	—	—	无	
	2	模拟4~20mA	—	—		
	1T	模拟1~5V	—	模拟1~5V	有	
	2T^{注1)}	模拟4~20mA	—	模拟4~20mA		
显示一体型	A	NPN	NPN	—	无	
	B	PNP	PNP	—		
	C	NPN	模拟1~5V	—		
	D	NPN	模拟4~20mA	—		
	E	PNP	模拟1~5V	—		
	F	PNP	模拟4~20mA	—		
	G^{注1)}	NPN	外部输入 ^{注2)}	—		
	H^{注1)}	PNP	外部输入 ^{注2)}	—		
	AT	NPN	(NPN) \leftrightarrow ^{注3)} NPN	—		有
	BT	PNP	(PNP) \leftrightarrow ^{注3)} PNP	—		
	CT	NPN	(模拟1~5V) \leftrightarrow ^{注3)} 模拟1~5V	—		
	DT	NPN	(模拟4-20mA) \leftrightarrow ^{注3)} 模拟4-20mA	—		
	ET	PNP	(模拟1~5V) \leftrightarrow ^{注3)} 模拟1~5V	—		
	FT	PNP	(模拟4-20mA) \leftrightarrow ^{注3)} 模拟4-20mA	—		
L^{注1)}	IO-Link/ 开关输出 (N/P)	—	—	无		
L2^{注1)}	IO-Link/ 开关输出 (N/P)	—	开关输出 (N/P)			
LT	IO-Link/ 开关输出 (N/P)	—	—		有	
L2T^{注1)}	IO-Link/ 开关输出 (N/P)	—	开关输出 (N/P)			

※分离型传感器部和分离型显示器 (ANPF3W3系列) 组合使用的场合, 流量请选择模拟输出1~5V(输出记号"1"或"1T")。

注1) 定制规格
注2) 外部输入: 累计值、峰值、谷值可复位。
注3) 带温度传感器的场合, 仅OUT2可设定选择温度输出或流量输出。出厂时, 设定为温度输出。
注4) IO-Link仅对应显示一体型。
注5) IO-Link且有温度传感器时, OUT1仅对应温度 (记号"LT"或"L2T")。

Table 1 Output Specifications of Flow Sensor for Return Water Unit

Type	Mark	OUT1	OUT2		Temperature sensor	
		Flow/temperature Note 5)	Rate of flow	Temperature		
Separate sensor section	1	Simulate 1 to 5V	—	—	Not have	
	2	Simulate 4 to 20mA	—	—		
	1T	Simulate 1 to 5V	—	Simulate 1 to 5V	Have	
	2T Note 1)	Simulate 4 to 20mA	—	Simulate 4 to 20mA		
Display all-in-one	A	NPN	NPN	—	Not have	
	B	PNP	PNP	—		
	C	NPN	Simulate 1 to 5V	—		
	D	NPN	Simulate 4 to 20mA	—		
	E	PNP	Simulate 1 to 5V	—		
	F	PNP	Simulate 4 to 20mA	—		
	G Note 1)	NPN	External input Note 2)	—		
	H Note 1)	PNP	External input Note 2)	—		
	AT	NPN	(NPN) \leftrightarrow Note 3) NPN	—		Have
	BT	PNP	(PNP) \leftrightarrow Note 3) NPN	—		
CT	NPN	Simulate 1 to 5V \leftrightarrow Note 3) Simulate 1 to 5V	—			
DT	NPN	Simulate 4-20mA \leftrightarrow Note 3) Simulate 4-20mA	—			
ET	PNP	Simulate 1 to 5V \leftrightarrow Note 3) Simulate 1 to 5V	—			
FT	PNP	Simulate 4-20mA \leftrightarrow Note 3) Simulate 4-20mA	—			
L Note 1)	IO-Link/switch output (N/P)	—	—	Not have		
L2 Note 1)	IO-Link/switch output (N/P)	—	Switch output (N/P)			
Display all-in-one (IO-Link corresponds to Note 4)	LT	IO-Link/switch output (N/P)	—	—	Have	
	L2T Note 1)	IO-Link/switch output (N/P)	—	Switch output (N/P)		

Separate sensor unit and separate display unit
For combined use with the ANPF3W3 series, select analog output 1~5V (output designation "1" or "1T") for current measurement.

Note 1) Custom specifications
Note 2) External input: Cumulative value, peak value, and valley value can be reset.
Note 3) For systems with temperature sensors, only OUT2 can be configured to output either temperature or flow rate. By default, it is set to temperature output.
Note 4) IO-Link is only applicable to the display-in-one model.
Note 5) When IO-Link is enabled and a temperature sensor is present, OUT1 corresponds exclusively to temperature data (marked as "LT" or "L2T").

表2 回水单元 流量传感器单位规格

类型	记号	瞬时流量	累计流量	温度
分离型传感器部	无记号	L/min	—	°C
	G^{注1)}	L/min (gal/min)	—	°C (°F)
显示一体型	M	L/min	L	°C
	G^{注1)}	gal/min	gal	°C
	F^{注1)}	gal/min	gal	°F
	J^{注1)}	L/min	L	°F
显示一体型 (IO-Link对应)	无记号^{注1)}	gal/min	gal	°C
	M	L/min	L	°C

※根据新计量法, 日本只能使用SI单位。
· 分离型传感器部: "无记号"
· 显示一体型: "M"
· 显示一体型 (IO-Link对应): "M"
参考: 1[L/min] \leftrightarrow 0.2642[gal/min]、
1[gal/min] \leftrightarrow 3.785[L/min]
°F=9/5°C+32

注1) 定制规格

Table 2 Flow Sensor Unit Specifications for Return Water Unit

Type	Mark	Instantaneous delivery	Cumulative flow	Temperature
Separate sensor section	No notes	L/min	—	°C
	G Note 1)	L/min (gal/min)	—	°C (°F)
Display all-in-one	M	L/min	L	°C
	G Note 1)	gal/min	gal	°C
	F Note 1)	gal/min	gal	°F
	J Note 1)	L/min	L	°F
Display integrated (IO-Link equivalent)	Unmarked Note 1)	gal/min	gal	°C
	M	L/min	L	°C

Under the new metrology law, Japan is required to use only SI units.
· Separate sensor section: "No mark"
· Display all-in-one: "M"
· Display integrated (IO-Link equivalent): "M"
"M" Reference: 1[L/min] \leftrightarrow 0.2642[gal/min]、
1[gal/min] \leftrightarrow 3.785[L/min] °F=9/5°C+32

Note 1) Custom specifications

表3 特殊规格定制

类型	记号	螺纹种类	口径
主配管尺寸	N01	NPT	3/4

Table 3 Customization of Special Specifications

Type	Mark	Thread type	Bore
Main pipe size	N01	NPT	3/4