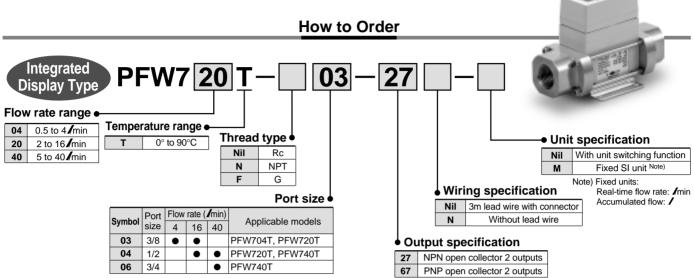
For Water

Digital Flow Switch/High Temperature Fluid Type

Series PFW



Specifications

Model			PFW704T	PFW720T	PFW740T	
Measured fluid			Water			
Detection type			Karman vortex			
Flow rate measurement and setting range		ent and setting range	0.5 to 4 (setting is 0.6 to 4) /min	2 to 16 /min	5 to 40 / min	
Minimum setting unit			0.05 / min	0.1 / min	0.5 ∦ min	
Display units		Real-time flow rate	/ min, gal (US)/min			
		Accumulated flow	火 , gal (US)			
Operating pressure range			0 to 1MPa			
Withstand pressure			1.5MPa			
Accumulated flow range		range	0 to 999999 /			
Operating Temperature range	Fluid temperature		0° to 90°C (with no cavitation)			
	Ambient temperature		0° to 50°C (with no condensation)			
Linearity			±5% F.S. or less			
Repeatability			±3% F.S. or less			
Temperature characteristics		acteristics	±5% F.S. or less			
Output Note	2)	Switch output	NPN open collector Maximum load current: 80mA; Internal voltage drop: 1V or less (with load current of 80mA) Maximum applied voltage: 30V			
specifications		Switch output	PNP open collector Maximum load current: 80mA Internal voltage drop: 1.5V or less (with load current of 80mA)			
Indication lights			Lights up when output is ON OUT1: Green; OUT2: Red			
Response time			1 sec. or less			
Hysteresis			Hysteresis mode: Variable (can be set from 0); Window comparator mode: 3-digit fixed Note 3)			
Power supply voltage		age	12 to 24VDC (ripple ±10% or less)			
Current consumption			70mA or less			
Withstand voltage			1000VAC for 1 min. between external terminal and case			
Insulation resistance			50MΩ (500VDC) between external terminal and case			
Noise resistance			1000Vp-p, Pulse width 1μs, Rise time 1ns			
Vibration resistance			10 to 500Hz at whichever is smaller: 1.5mm amplitude or 98m/s² acceleration, in X, Y, Z directions for 2 hrs. each			
Impact resistance			490m/s ² in X, Y, Z directions 3 times each			
Weight			710g (without lead wire)			
Enclosure			IP65			
Port size (Rc, NPT, G)			3/8	3/8, 1/2	1/2, 3/4	

Note 1) For digital flow switch with unit switching function. (Fixed SI unit [/min or / will be set for switch type without the unit switching function.)

Note 3) Window comparator mode — Since hysteresis will reach 3 digits, keep P1 and P2 apart by 7 digits or more. The minimum setting unit is 1 digit. (refer to the table above).



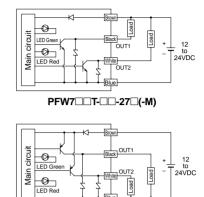
Note 2) The output functions operate only for the real-time flow rate display, and do not operate for the accumulated flow display.

Dimensions: Integrated Display Type for Water

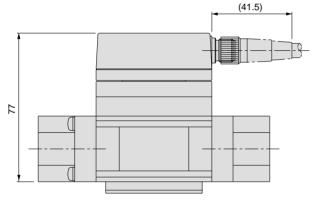
PFW704T, PFW720T, PFW740T

120 10 23 1.6 $\overline{\oplus}$ - SMC FLOW SWITCH UP OSET 22 83 8 DOWN - 2-Port size 4-ø4.5 34 40 50

Internal circuits and wiring examples



PFW7□□T-□□-67□(-M)



Flow direction

Connector pin numbers



Pin no.	Pin description			
1	DC(+)			
2	OUT2			
3	DC(-)			
4	OUT1			