

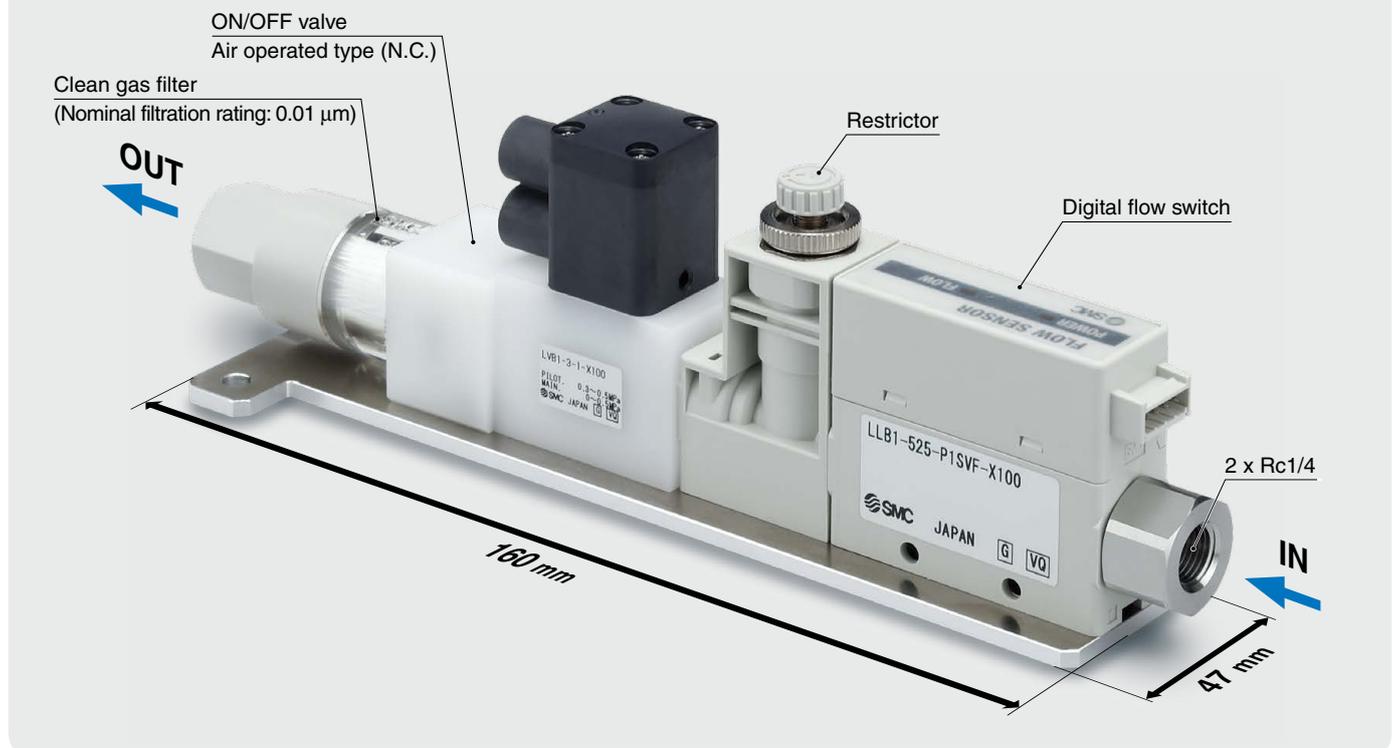
# Clean Air Module

## LLB1-X100

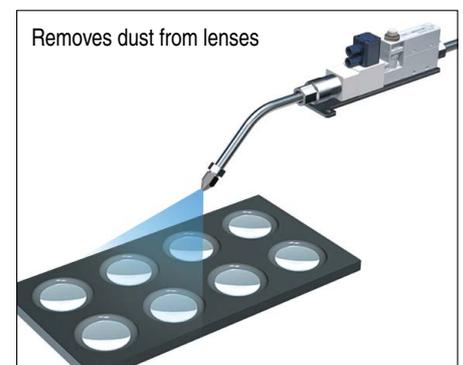
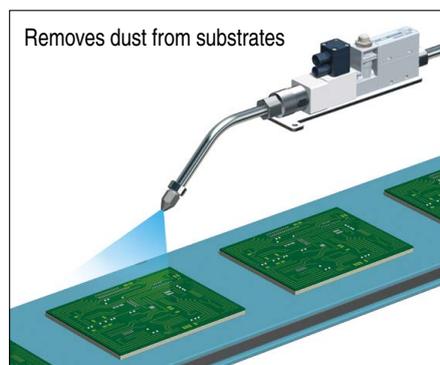
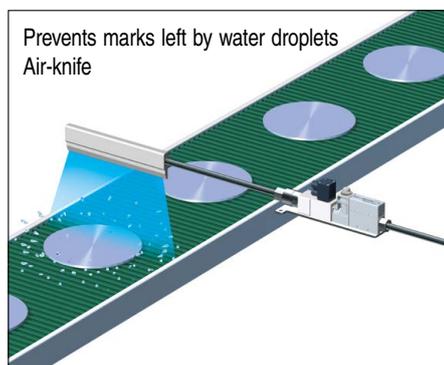
### Features

The integrated unit has many new features:

- Compact with reduced installation labor
- Can perform the clean air blow of small workpieces with a flow rate of up to 100 L/min



### Applications For the clean air blow of small workpieces



### ⚠ Caution

To ensure the safest possible operation of this product, please be sure to thoroughly read the "Safety Instructions" in our "Best Pneumatics" catalog before use.

## How to Order

LLB1 - **5** **25** - **P1** **S** **V** **F** - X100

• **Digital flow switch**

<b>5</b>	Remote type: PFM5
<b>7</b>	Integrated type: PFM7

• **Flow rate range**

<b>25</b>	0.5 to 25 L/min
<b>50</b>	1 to 50 L/min
<b>11</b>	2 to 100 L/min

• **Flow switch (Output specifications)**

<b>P1</b>	Analog output (1 to 5 V)
<b>P2</b>	Analog output (4 to 20 mA)
<b>P3</b>	NPN + Analog (1 to 5 V)
<b>P4</b>	PNP + Analog (1 to 5 V)
<b>P5</b>	NPN open collector 2 outputs
<b>P6</b>	PNP open collector 2 outputs
<b>P7</b>	NPN + Analog (4 to 20 mA)
<b>P8</b>	PNP + Analog (4 to 20 mA)

\* P1, P2: Digital flow switch: PFM5□□  
P3 to P8: Digital flow switch: PFM7□□

• **Filter**

• **ON/OFF valve (N.C.)**

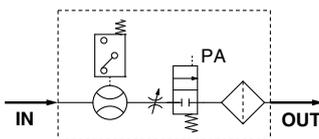
• **Restrictor**

• **Flow switch option**

<b>Nil</b>	With lead wire with connector (2 m)
<b>Z</b>	Without lead wire with connector (2 m)

## Specifications

### Symbol



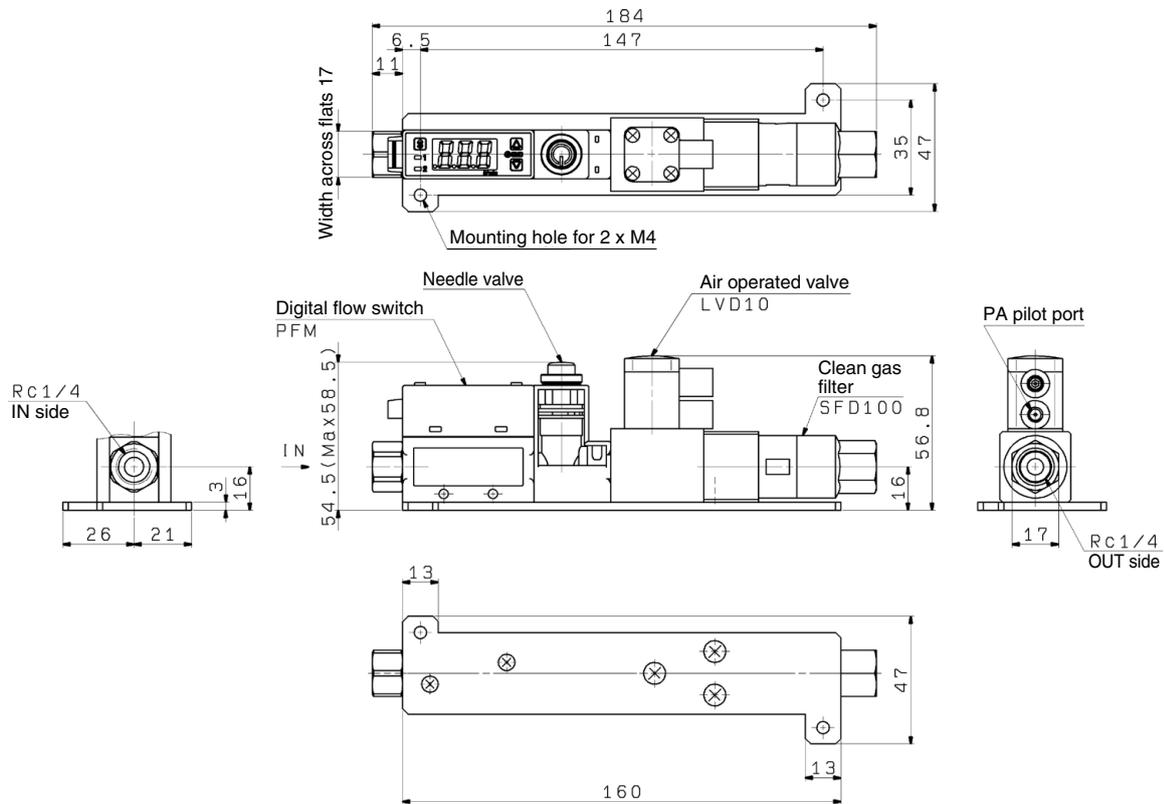
### Clean Air Module Common Specifications

Model		LLB1-525	LLB1-550	LLB1-511
<b>Flow range</b>	[L/min (ANR)]	0.5 to 25	1 to 50	2 to 100
<b>Fluid</b>		Clean air, N <sub>2</sub> gas		
<b>Inlet air conditions</b>		ISO 8573-1 and Quality class 1.1.2-1.6.2		
<b>Maximum operating pressure</b>	[MPa]	0.5		
<b>Withstand pressure</b>	[MPa]	1.0		
<b>Fluid temperature</b>	[°C]	5 to 45		
<b>Ambient temperature</b>	[°C]	5 to 45		
<b>Display accuracy</b>	[%F.S.]	±3		
<b>Analog output accuracy</b>	[%F.S.]	±5		
<b>Pilot pressure</b>	[MPa]	0.3 to 0.5		
<b>Back pressure</b>	[MPa]	0.3		
<b>Nominal filtration rating</b>	[µm]	0.01 (Filtration efficiency 99.99%)		
<b>Fluid contact materials</b>	<b>Digital flow switch</b>	LCP, PBT, Brass (Electroless nickel plated), HNBR (+ Fluoro coated) FKM (+ Fluoro coated), Silicon, Au, Stainless steel 304		
	<b>ON/OFF valve</b>	PTFE, POM		
	<b>Clean gas filter</b>	PBT, POM, PC, Polyolefin, PU, PET, ABS, HNBR		

**Dimensions**

[mm]

**LLB1-□25/50-□SVF-X100**



**LLB1-□11-□SVF-X100**

