

## Air Operated/with Solenoid Valve

The production of flange sizes 16, 25, 40, 50, 63, and 80 for the XLA(V) series has been discontinued. However, select the new XLA(V)-2 type. See [here](#) for details.



### How to Order



XLAV

**XLAV-16** **G** **M9N** **A** **1** **G** - [ ] - [ ] - [ ] - [ ]

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

• Air operated/with solenoid valve

#### ① Flange size

Size
16
25
40
50
63
80
100
160

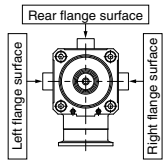
#### ② Flange type

Symbol	Type	Applicable flange
<b>NII</b>	KF (NW)	16, 25, 40, 50, 63, 80 100, 160
<b>D</b>	K (DN)	63, 80, 100, 160

#### ③ Indicator/Pilot port direction

Symbol	Indicator	Pilot port direction
<b>F</b>	With indicator	Left flange surface
<b>G</b>		Rear flange surface
<b>J</b>		Right flange surface
<b>K</b>	Without indicator	Left flange surface
<b>L</b>		Rear flange surface
<b>M</b>		Right flange surface

\* M type plug connector (AC power supply) not attached for J, M of sizes 16 and 25.



#### ④ Auto switch type

Symbol	Auto switch model	Remarks
<b>NII</b>	—	Without auto switch (without built-in magnet)
<b>M9N(M)(L)(Z)</b>	D-M9N(M)(L)(Z)	Solid state auto switch
<b>M9P(M)(L)(Z)</b>	D-M9P(M)(L)(Z)	
<b>M9B(M)(L)(Z)</b>	D-M9B(M)(L)(Z)	
<b>A90(L)</b>	D-A90(L)	Reed auto switch (Not applicable to flange size 16)
<b>A93(M)(L)(Z)</b>	D-A93(M)(L)(Z)	
<b>M9//</b>	—	Without auto switch (with built-in magnet)

Standard lead wire length is 0.5 m. Add "L" to the end of the part number when 3 m is desired, "M" when 1 m, and "Z" when 5 m.

Example) M9NL

#### ⑤ Number of auto switches/Mounting position

Symbol	Quantity	Mounting position
<b>NII</b>	Without auto switch	—
<b>A</b>	2 pcs.	Valve open/closed
<b>B</b>	1 pc.	Valve open
<b>C</b>	1 pc.	Valve closed

#### ⑥ Rated voltage

	CE-compliant
<b>1</b> 100 VAC, 50/60 Hz	—
<b>2</b> 200 VAC, 50/60 Hz	—
<b>3</b> 110 VAC, 50/60 Hz	—
<b>4</b> 220 VAC, 50/60 Hz	—
<b>5</b> 24 VDC	○
<b>6</b> 12 VDC	○

#### ⑦ Electrical entry

<b>G</b>	Grommet (Lead wire length 300 mm)
<b>H</b>	Grommet (Lead wire length 600 mm)
<b>L</b>	L type plug connector
<b>M</b>	M type plug connector

#### ⑧ Light/Surge voltage suppressor

<b>NII</b>	None
<b>S</b>	With surge voltage suppressor
<b>Z</b>	With light/surge voltage suppressor
<b>U</b>	With light/surge voltage suppressor (Non-polar type)

\* S type: Not available for AC.  
\* U type: DC only.

#### ⑩ CE-compliant

<b>NII</b>	—
<b>Q</b>	CE-compliant

#### ⑨ Body surface treatment/Seal material and its changed part

##### • Body surface treatment

Symbol	Surface treatment
<b>NII</b>	External: Hard anodized Internal: Raw material
<b>A</b>	External: Hard anodized Internal: Oxalic acid anodized

##### • Seal material

Symbol	Seal material	Compound No.
<b>NII</b>	FKM	1349-80*
<b>N1</b>	EPDM	2101-80*
<b>P1</b>	Barrel Perfluoro®	70W
<b>Q1</b>	Kalrez®	4079
<b>R1</b>	Chemraz®	SS592
<b>R2</b>		SS630
<b>R3</b>		SSE38
<b>S1</b>		1232-70*
<b>T1</b>	FKM for Plasma	3310-75*
<b>U1</b>	ULTIC ARMOR®	UA4640

\* Produced by Mitsubishi Cable Industries, Ltd.

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##### • Seal material changed part and leakage

Symbol	Changed part Note 2)	Leakage (Pa·m³/s or less) Note 1)	
		Internal	External
<b>NII</b>	None	$1.3 \times 10^{-10}$ (FKM)	$1.3 \times 10^{-11}$ (FKM)
<b>A</b>	②, ③	$1.3 \times 10^{-8}$	$1.3 \times 10^{-9}$
<b>B</b>	②	$1.3 \times 10^{-8}$	$1.3 \times 10^{-11}$ (FKM)
<b>C</b>	③	$1.3 \times 10^{-10}$ (FKM)	$1.3 \times 10^{-9}$

Note 1) Values at normal temperature, excluding gas permeation.

Note 2) Refer to parts number of "Construction" on page 418 for changed part. Number indicates parts number of "Construction" accordingly.

To order something other than "NII" (standard), list the symbols starting with "X," followed by each symbol for "body surface treatment," "seal material" and then "changed part".

Example) XLAV-16-M9NA-1G-XAN1A

Note 1) Option specifications/Combinations

This model has indicator, auto switch and K(DN) flange options, but high temperature/heater options are not available.

Note 2) Solenoid valves

XLAV-16, 25, 40, 50: SYJ319, XLAV-63, 80, 100, 160: SYJ519

Example) SYJ319-1GS, etc.

\* For details, consult your SMC sales representative.

\* For option "Q", the solenoid valve should be a CE-compliant product.