

Air Operated Threaded Type LVA Series

How to Order Valve (Single Type)

For N.C.

Body class: 2

LVA 2 0 - 01 - A - V - Z

Port size,
Pilot port thread type

Symbol	Thread type
Nil	Rc
N	NPT
F	G

For N.O./Double acting

Body class: 2

LVA 2 1 - 01 - A - V

Pilot port
thread size 1/8

Symbol	Body class	Orifice dia.
2	2	ø4

Body class

Symbol	Valve type
1	N.O.
2	Double acting

Body class:
1, 3, 4, 5, 6

LVA 3 0 - 02 - A - V

Specifications

Nil	None
V	Vacuum specification

*: Applicable to only material symbols A, B, C, F and N. Vacuum specification is not available for LVA1C1.

Body class

Symbol	Body class	Orifice dia.
1	1	ø2
3	3	ø8
4	4	ø12
5	5	ø20
6	6	ø22

Valve type

Symbol	Valve type
0	N.C.
1	N.O.
2	Double acting

*: Refer to Variations for valve type combinations.

Option

Nil	None
1	With flow rate adjustment
2	With bypass
3	With flow rate adjustment & bypass
4	With indicator

*: Refer to Variations for option combinations. Options cannot be combined.

Material

Symbol	Body	Actuator section End plate	Diaphragm	Applicable option				Note
				1	2	3	4	
A	Stainless steel	PPS	PTFE	●	—	—	●	—
B	PPS	PPS	PTFE	●	—	—	●	Except LVA60
C	PFA	PPS	PTFE	●	●	●	●	—
D	Stainless steel	PPS	NBR	●	—	—	●	Except LVA60
E	Stainless steel	PPS	EPR	●	—	—	●	Except LVA60
F	PFA	PVDF	PTFE	—	—	—	—	Hydrofluoric acid compatible (Only LVA40, 50 type)
G	PPS	PPS	NBR	●	—	—	●	Except LVA60
H	PPS	PPS	EPR	●	—	—	●	Except LVA60
N	PFA	PPS	PTFE	●	●	●	●	Ammonium hydroxide compatible

Port size

Symbol	Port size	Body class
01	1/8	—
02	1/4	1
01	1/8	—
02	1/4	2
02	1/4	—
03	3/8	3
03	3/8	—
04	1/2	4
04	1/2	—
06	3/4	5
10	1	6

Thread type

Symbol	Body class	Port thread type	Pilot port thread type
Nil	1, 2	Rc	M5
	3, 4, 5, 6		Rc1/8
N	1, 2	NPT	M5
	3, 4, 5, 6		NPT1/8
F	1, 2	G	M5
	3, 4, 5, 6		G1/8

Variations

			Model	LVA10		LVA20		LVA30		LVA40		LVA50		LVA60	
			Orifice diameter	ø2		ø4		ø8		ø12		ø20		ø22	
			Port size	1/8	1/4	1/8	1/4	1/4	3/8	3/8	1/2	1/2	3/4	1	
			Body material ¹	Stainless steel 316											
			PPS	○	○	○	○	○	○	○	○	○	○	○	
			PFA	○	○	—	○	—	○	—	○	—	○	—	
			Valve type	○	—	—	○	—	—	—	—	—	—	○	
Type	Symbol														
Basic			N.C.	○	○	○	○	○	○	○	○	○	○	○	○
			N.O.	—	—	○	○	○	○	○	○	○	○	○	○
			Double acting	○	○	○	○	○	○	○	○	○	○	○	○
With flow rate adjustment			N.C.	—	—	○	○	○	○	○	○	○	○	○	
			Double acting	—	—	○	○	○	○	○	○	○	○	○	
With bypass			N.C.	—	—	—	—	○	—	○	—	○	—		
			Double acting	—	—	—	—	○	—	○	—	○	—		
With flow rate adjustment & bypass			N.C.	—	—	—	—	○	—	○	—	○	—		
			Double acting	—	—	—	—	○	—	○	—	○	—		
With indicator			N.C.	—	—	○	○	○	○	○	○	○	○		

*1: Refer to Material for the applicable optional body materials.

LVC

LVA

L VH

LVD

LVQ

LVP

LVW

LQ1

LQ3

L VN

LQHB

TL TIL

TLM TILM

TD TID

TH TIH