01

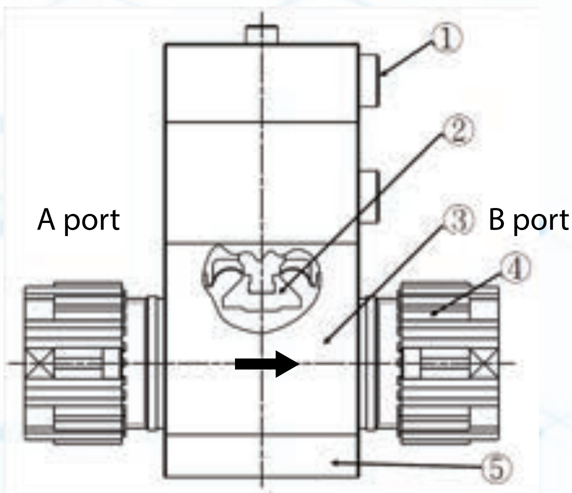
Well Lit
Valve for pure water & chemical liquids

Pneumatic valve WLAH Series

Specification

End connection			02：1/4” 03：3/8” 04：1/2” 06：3/4” 08：1”
Working liquid			Pure water or chemical liquids (Note：1、2)
Fluid temperature			5~100℃ (Note：2)
Withstanding pressure			1.0 MPa(Under water pressure)
Fluid pressure	Single action	A→B B→A	0~0.5 MPa 0~0.5 MPa
Back Pressure			0~0.5 MPa
Valve seat leakage			0 (Under water pressure))
Ambient temperature			0~60℃
Frequency			Less than 30 times/min
Mounting orientation			Any
Cv value			0.4 / 1.35 / 2 / 5 / 8.3
Orifice			Ø 10 / Ø 10 / Ø 10 / Ø 16 / Ø 20
Operation section	Operation pressure		0.35~0.6 MPa
Operation section	Operation connection		1/8” NPT (Operation end NC：O end、NO：C end、 multiple action：C and O ends)

Internal structure and parts lists



Part	Material
① Actuator	PP
② Diaphragm	PTFE
③ Body	PFA、PTFE
④ Nut	PFA
⑤ Base	PP

WLAH-

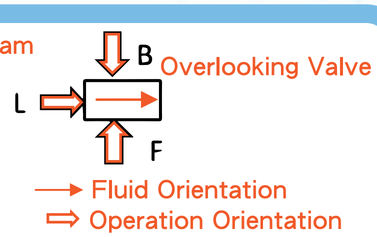
F	1	-	02	5	C	-	C
Material	O-ring material		End connection	Connection	Actuation		Others

WL	種類 Type	本體材質 Material	O型環材質 O-ring material	管徑大小 End connection	接管樣式 Connection	作動形式 Actuation	其他 Others
	AH：Pneumatic	F：PFA T：PTFE (Note：3、4)	1：FKM 2：EPDM 3：FFKM	02：1/4" (Ø6.35xØ3.95) 03：3/8" (Ø9.53xØ6.35) 04：1/2" (Ø12.7xØ9.53) 06：3/4" (Ø19.05xØ15.8) 08：1" (Ø25.4xØ22.2)	1：FIT-ONE 2：Parflare 5：Sleeve Insertion (Note：3)	C：Normally Close O：Normally Open	Additional functions

Additional functions

C：Function of flow adjustment
BP：Function of by pass (註4)
F：Operate direction of air forward
B：Operate direction of air backward
L：Operate direction of air leftward
Blank：Operate direction of air rightward

Operation Diagram



Note

1. Using related hydrofluoric acid liquids will not provide by-pass body.
2. The terms of use for Actuator materials, please refer to P.45 "Specification of Actuator Material".
3. PFA body only provides connection of sleeve insertion.
4. PFA body does not provide additional function of by-pass.
5. Any further inquiry of WLA Series please contact with us.

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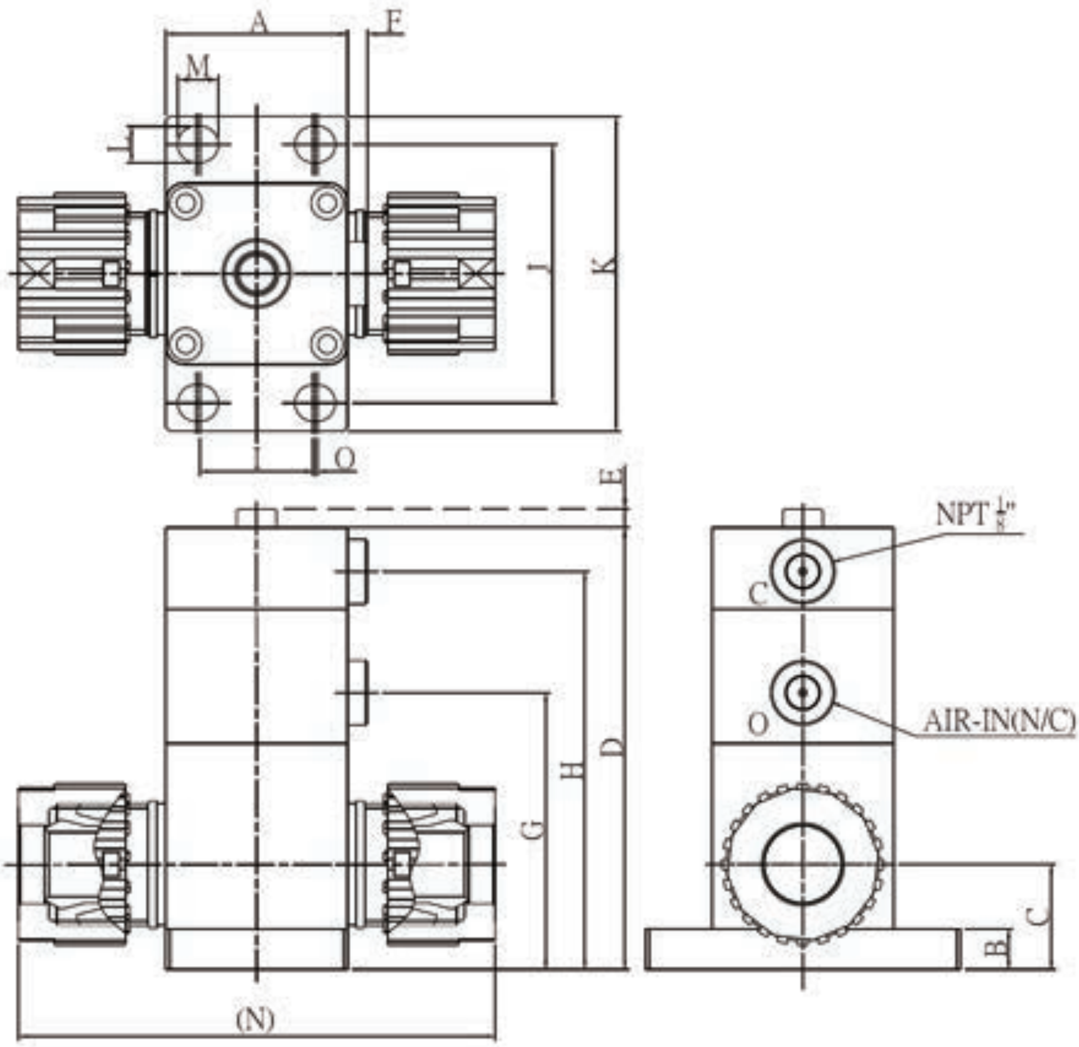
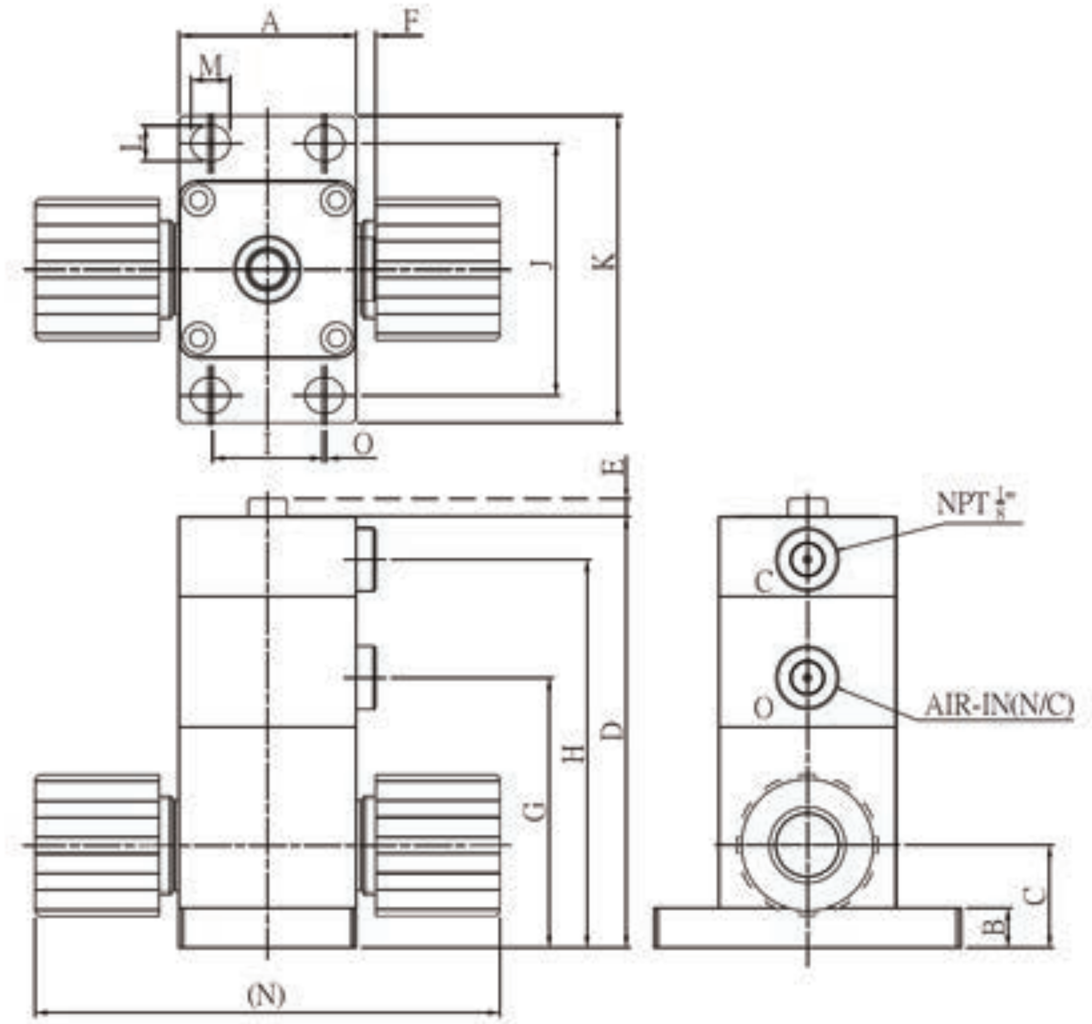
Exterior Structure



Model		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
WLAH-F∗-025∗	1/4”	36	10	18	83.5	3	5	49	76	20	50	64	7	9	74	2
WLAH-F∗-035∗	3/8”	36	10	21.5	87	3	5	52.5	79.5	20	50	64	7	9	86	2
WLAH-F∗-045∗	1/2”	36	10	22.5	88	3	5	53.5	80.5	20	50	64	7	9	94	2
WLAH-F∗-065∗	3/4”	45	10	26	109.5	4.5	5	68.5	98.5	28	64	78	9	10	118	1
WLAH-F∗-085∗	1”	60	13	35	133.5	5.5	5	86.3	122	40	78	96	9	12	146	3

unit:mm



Model		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
WLAH-T*-021* WLAH-T*-022*	1/4"	36	10	18	83.5	3	5	49	76	20	50	64	7	9	95	2
WLAH-T*-031* WLAH-T*-032*	3/8"	36	10	21.5	87	3	5	52.5	79.5	20	50	64	7	9	96	2
WLAH-T*-041* WLAH-T*-042*	1/2"	36	10	22.5	88	3	5	53.5	80.5	20	50	64	7	9	99	2
WLAH-T*-061* WLAH-T*-062*	3/4"	45	10	26	109.5	4.5	5	68.5	98.5	28	64	78	9	10	118	1
WLAH-T*-081* WLAH-T*-082*	1"	60	13	35	133.5	5.5	5	86.3	122	40	78	96	9	12	148	3

unit:mm