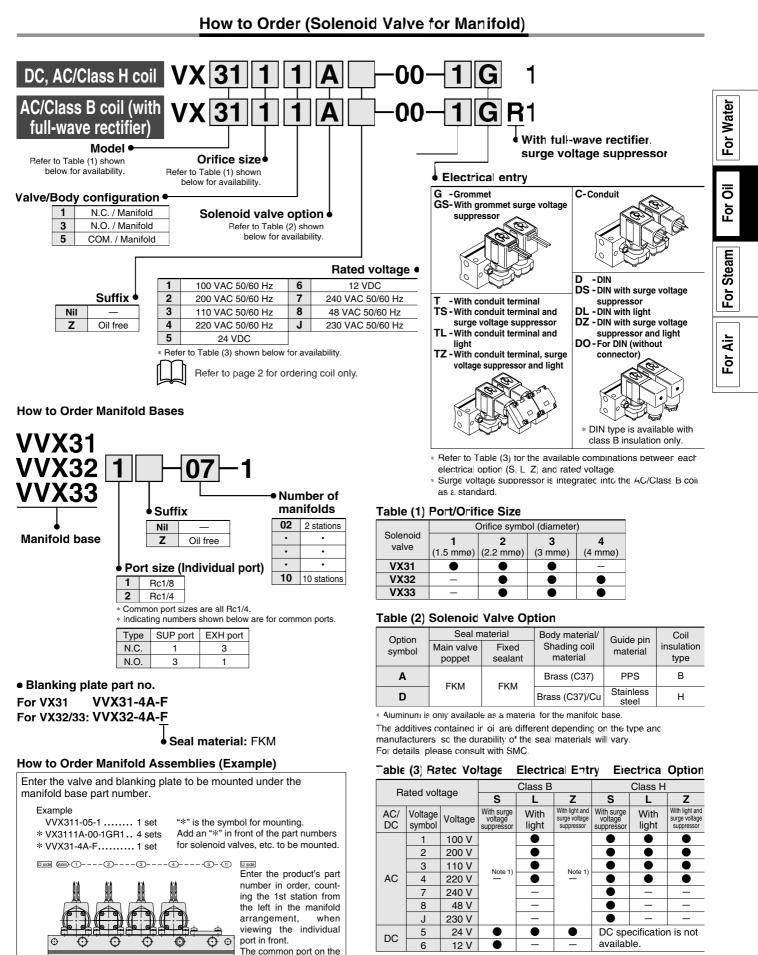
Direct Operated 3 Port Solenoid Valve Series VVX3 1/32/33

For Oil/Manifold

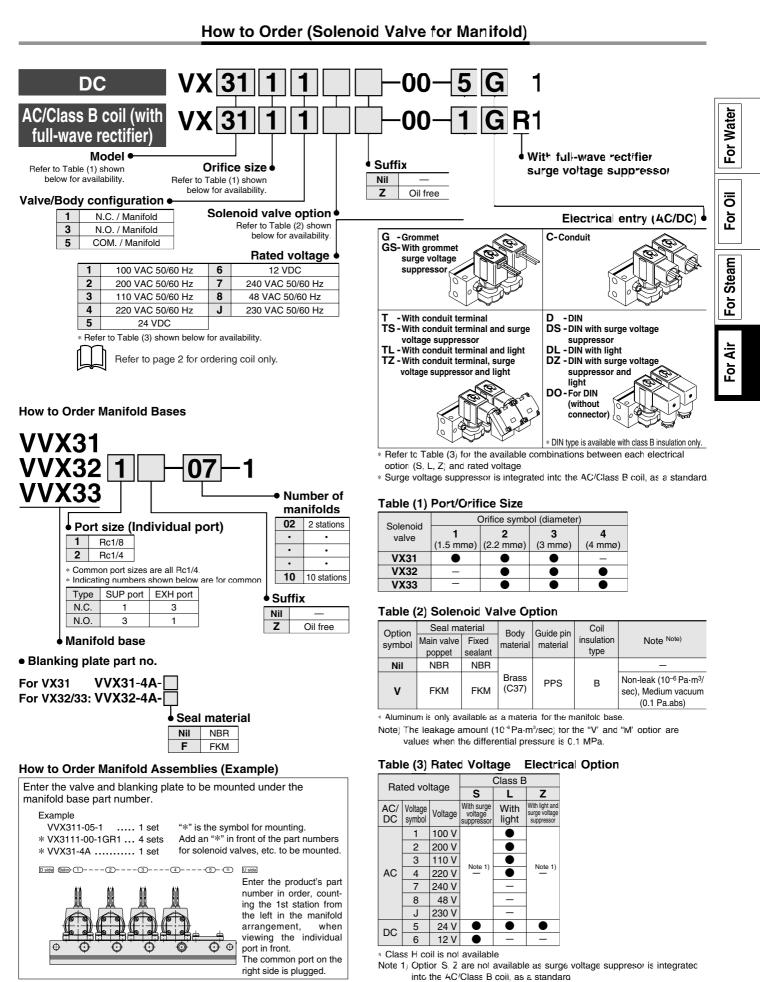


right side is plugged.

SM

Note 1) Optior S, Z are not available as surge voltaçe suppresor is integrated into the 4C/Class B coil, as a standard Direct Operated 3 Port Solenoid Valve Series VVX31/32/33

For Air/Manifold



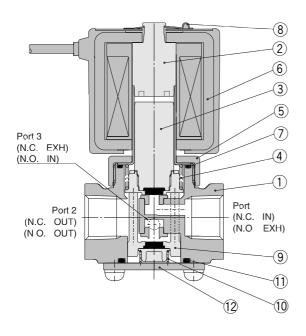
**SMC** 



### Construction

### Single unit

Body material Brass (C37), Stainless Steel



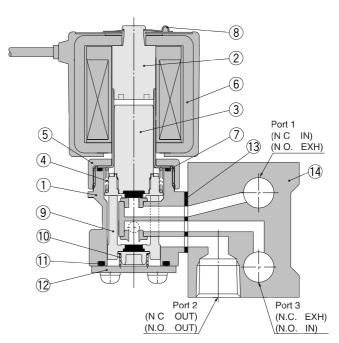
### **Component Parts**

No.	Description	Material								
INO.	Description	Standard	Option							
1	Body	Brass (C37)	Stainless steel							
c	Tube assembly	Stainless steel, Cu	Stainless steel, Ag							
З	Armature assembly	Stainless steel, Brass (C36), PTFE (NBR)	Stainless steel, PTFE (FKM, EPDM, FFKM)							
٩	Return spring	Stainless steel								
5	Nut	Brass (C37)	Brass (C37) • Ni plated							
٢	Solenoid coil	Class B molded	Class H molded							
7	O-ring	(NBR)	(FKM, EPDM, PTFE)							
۹	Clip	S	K							
9	Guide pin assembly	PPS, Brass (C36), (NBR)	Stainless steel (FKM, EPDM, FFKM)							
10	Support spring	Stainles	ss steel							
11	O-ring	(NBR)	(FKM, EPDM, PTFE)							
15	Plate	Stainless steel								

The materials in parentheses are the seal materials.

# Manifold

Base material: Aluminum Manifold body material: Brass (C37)



### **Component Parts**

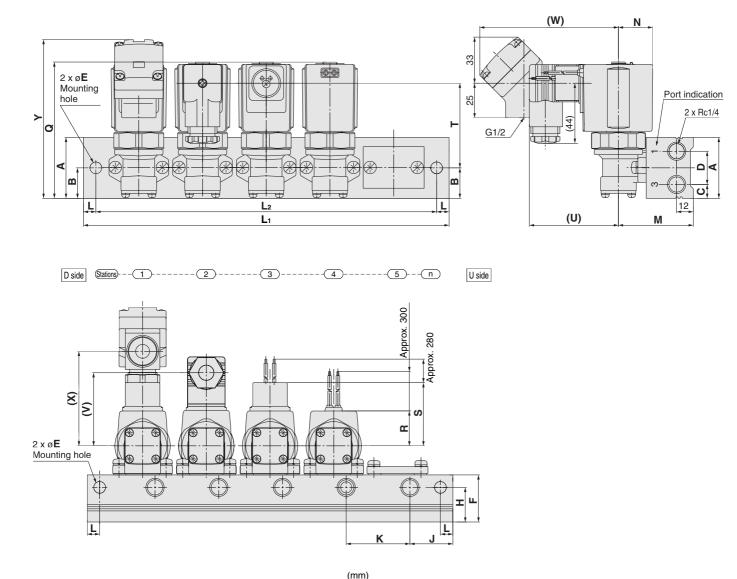
No.	Description	Mate	erial					
INO.	Description	Standard	Option					
	Manifold body Brass (C37)							
S	Tube assembly	ssembly Stainless steel, Cu						
З	Armature assembly	Stainless steel, Brass (C36), PTFE (NBR)	Stainless steel, PTFE (FKM, EPDM, FFKM)					
٩	Return spring	Stainles	ss steel					
5	Nut	Brass (C37)	Brass (C37) • Ni plated					
٩	Solenoid coil	Class B molded	Class H molded					
7	O-ring	(NBR)	(FKM, EPDM)					
٩	Clip	S	к					
9	Guide pin assembly	PPS, Brass (C36), (NBR)	Stainless steel (FKM, EPDM)					
10	Support spring	Stainles	ss steel					
1	O-ring	(NBR)	(FKM, EPDM)					
`¢	Plate	Stainles	ss steel					
13	Gasket	(NBR)	(FKM, EPDM)					
'4	Base	Alum	inum					
The	materials in narenth	eses are the seal materials						

The materials in parentheses are the seal materials.

## Series VVX31/32/33 For Oil, Air/Manifold

### **Dimensions Manifold/Base Material Aluminum**

Normally closed (N.C.): Normally open (N.O.): VVX31/VVX32/VVX33 Common (COM.):



										(11111)			
Model	Dimen-	n (stations)											
Widdei	sion	2	3	4	5	6	7	8	9	10			
VVX31	L1	96	132	168	204	240	276	312	348	384			
VVA31	L2	84	120	156	192	228	264	300	336	372			
VVX32	L1	126	172	218	264	310	356	402	448	494			
VVX33	L2	108	154	200	246	292	338	384	430	476			

																						(mm)
																Electri	cal ent	ry (DC	, AC/CI	ass H)		
Model	Α	В	С	D	E	F	н	J	K	L	М	N	Q	Grommet	Cor	nduit	DI	N termi	nal	Con	duit teri	minal
														R	S	Т	Т	U	V	W	Х	Y
VVX31	40	20	9	22	6.5	33	24	26	36	6	49	19.5	80.5	19.5	40	45.5	45	58.5	46.5	92	61	97
VVX32	44	22	10	24	8.5	34	25	31	46	9	55	22.5	91	22.5	43	54	53.5	61.5	49.5	95	64	107.5
VVX33	44	22	10	24	8.5	34	25	31	46	9	55	25	99.5	25.5	46	62	61.5	64	52	98	66.5	116

**SMC** 

(mm)	

	Electrical entry (AC/Class B)											
Model	Grommet	Con	duit	DI	N termi	nal	Conduit terminal					
	R	S	Т	Т	U	V	W	Х	Y			
VVX31	30	48.5	44	45	65.5	53.5	100.5	69.5	95.5			
VVX32	33	51.5	52.5	53.5	68.5	56.5	103.5	72.5	106			
VVX33	36	54	60.5	61.5	71	59	106	75	114.5			