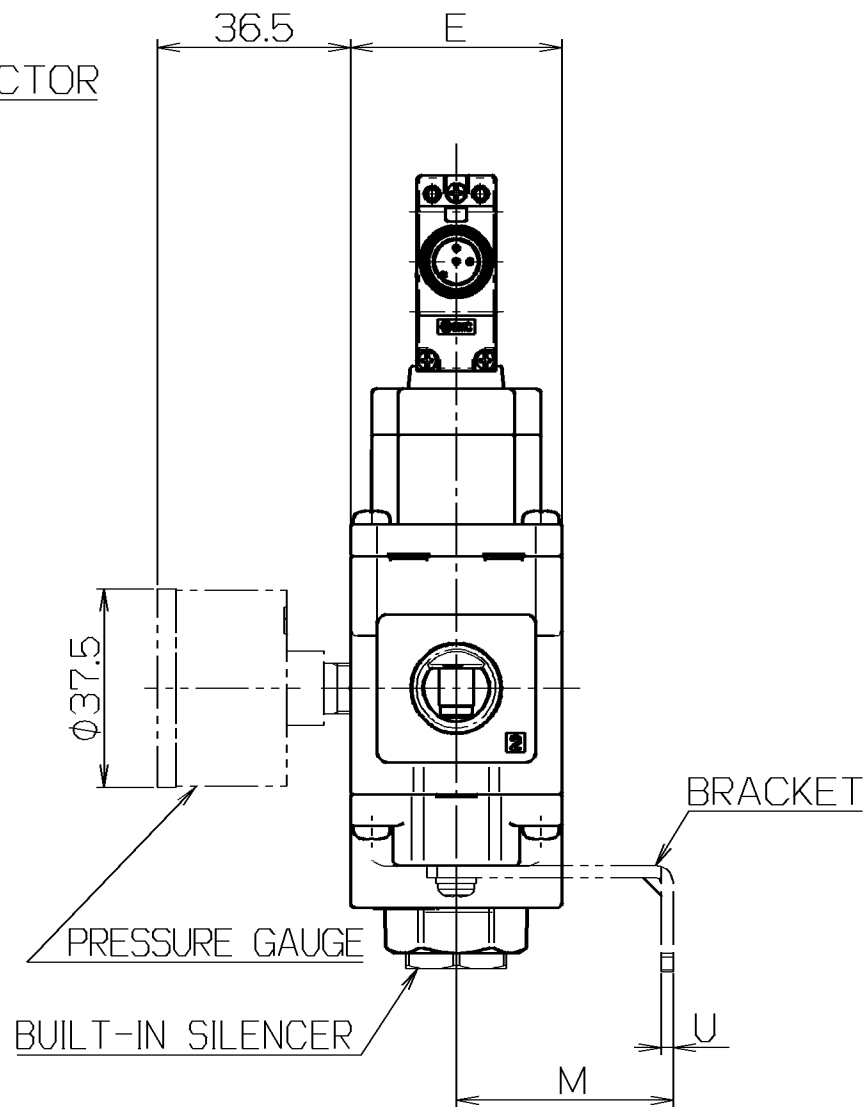
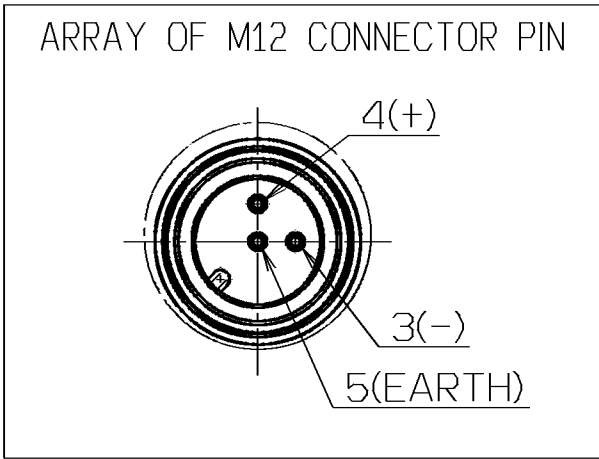
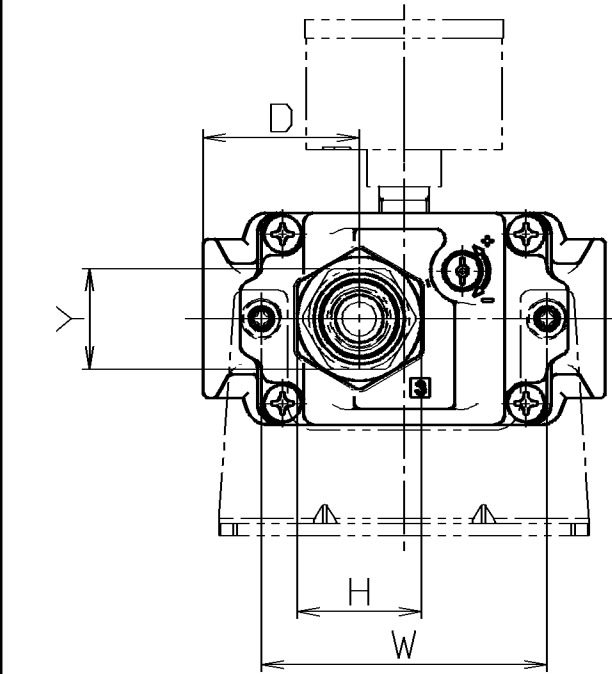
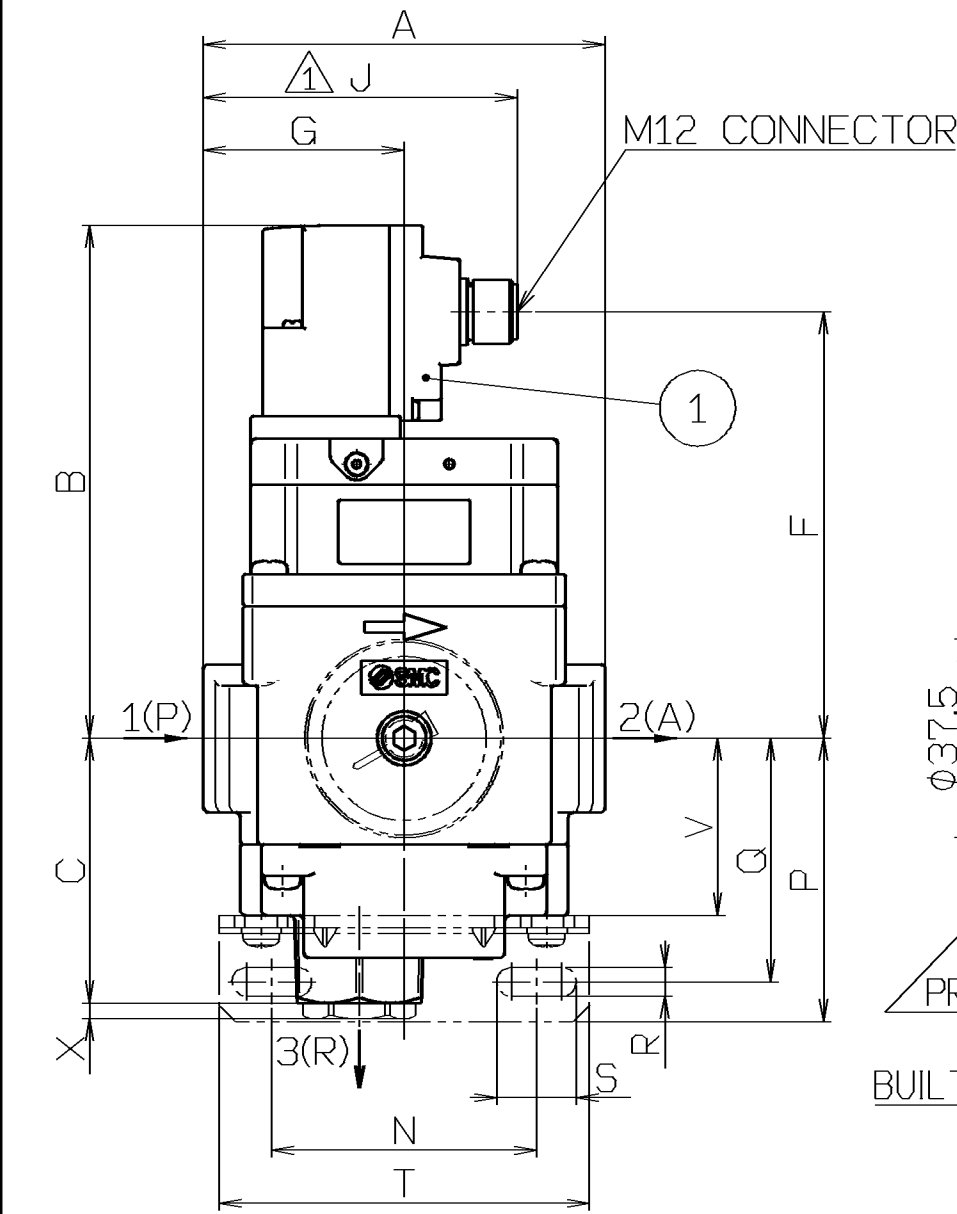


ON SMD



HOW TO ORDER

AV 30 00 - ** - 5 KO Z - A -X2016

SYMBOL	THREAD TYPE
NIL	Rc
F	G
N	NPT

SYMBOL	PORT SIZE
02	1/4
03	3/8
04	1/2
06	3/4
10	1

SYMBOL	BODY SIZE
20	1/4
30	3/8
40	1/2
50	3/4·1

SYMBOL	OPTIONS
NIL	-
B	WITH BRACKET ASSEMBLY
G	WITH ROUND TYPE PRESSURE GAUGE
S	WITH BUILT-IN SILENCER

SYMBOL	COIL RATED VOLTAGE
5	DC24V
6	DC12V

SYMBOL	ELECTRICAL ENTRY
KO	M12 CONNECTOR (WITHOUT CABLE)

SYMBOL	SEMI-STANDARD
NIL	-
R	FLOW DIRECTION RIGHT TO LEFT
Z	UNIT PRODUCT LABEL : psi PRESSURE GAUGE : MPa/psi DUAL SCALE

SYMBOL	TYPE OF MANUAL OVERRIDE
NIL	NON-LOCKING PUSH TYPE
B	PUSH-TURN LOCKING SLOTTED TYPE
C	PUSH-TURN LOCKING LEVER TYPE

SYMBOL	LIGHT/SURGE VOLTAGE SUPPRESSOR
Z (NOTE 2)	WITH LIGHT/SURGE VOLTAGE SUPPRESSOR

CAUTIONS CONCERNING SPECIFICATIONS, ASSEMBLY,
AND INSPECTION OF CUSTOM-MADE PRODUCTS

*DIFFERENCE FROM THE BASIC PRODUCT.

{AV2000~5000-(F.N)**(B.G.S)-(5~6)DZ(B.C)(-R.Z)-A}

- PARTS IN THE TITLE COLUMN DIFFER FROM BASIC PRODUCT.
- WITH M12 CONNECTOR.

BE SURE TO REFER "CATALOG" AND "OPERATING MANUAL"
FOR AV-A PRECAUTION BEFORE HANDLING.

CAUTION FOR USE

- CONTROL BY ELECTRICITY IS NOT AVAILABLE WHILE SHIFTING MANUAL LEVER
OF PILOT VALVE TO "ON" SIDE.

UNLESS OTHERWISE NOTED ALONG WITH A SEPARATE
CONTRACT OR AGREEMENT WITHIN THE PRODUCT
SPECIFICATIONS, THE SAFETY INSTRUCTIONS SPECIFIED
IN THE PRODUCT CATALOG ARE APPLIED. PLEASE CONTACT
YOUR LOCAL SMC SALES OFFICE FOR FURTHER DETAILS.

TABLE 1.

MODEL	1(P)	2(A)	3(R)	A	B	C	D	E	F	G	H	J
AV2000-(F.N)02-(5~6)KOZ(B.C)(-R.Z)-A-X2016	1/4	1/4	1/4	66	97	47	24.5	40	81	33	WIDTH ACROSS FLATS.22	54.4
AV3000-(F.N)03-(5~6)KOZ(B.C)(-R.Z)-A-X2016	3/8	3/8	3/8	76	97	50	29.5	40	81	38	WIDTH ACROSS FLATS.24	59.4
AV4000-(F.N)04-(5~6)KOZ(B.C)(-R.Z)-A-X2016	1/2	1/2	1/2	98	107	56	39.5	52	91	49	WIDTH ACROSS FLATS.30	57.4
AV5000-(F.N)06.10-(5~6)KOZ(B.C)(-R.Z)-A-X2016	3/4·1	3/4·1	3/4	128	109	59	53	74	94	53	WIDTH ACROSS FLATS.36	76.4

TABLE 2.(OPTION)

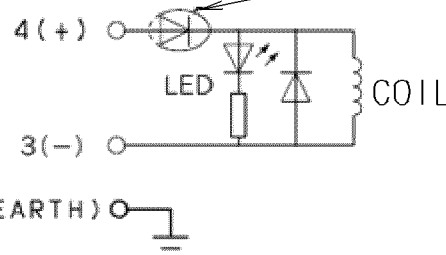
MODEL	WITH BRACKET										WITH BUILT-IN SILENCER	
	M	N	P	Q	R	S	T	U	V	W	X	Y
AV2000-(F.N)02-(5~6)KOZ(B.C)(-R.Z)-A-X2016	30	50	51.5	44	5.5	10	66	2.3	33.5	54	3	WIDTH ACROSS FLATS.14
AV3000-(F.N)03-(5~6)KOZ(B.C)(-R.Z)-A-X2016	41	50	53.5	46	5.5	15	70	2.3	33.5	54	3	WIDTH ACROSS FLATS.19
AV4000-(F.N)04-(5~6)KOZ(B.C)(-R.Z)-A-X2016	50	60	64	54	8.5	18	90	3.2	39	74	4	WIDTH ACROSS FLATS.22
AV5000-(F.N)06.10-(5~6)KOZ(B.C)(-R.Z)-A-X2016	70	75	70	60	11	16	100	3.2	45	80	6	WIDTH ACROSS FLATS.32

TABLE 3. PILOT VALVE ASSEMBLY NUMBER

MODEL	NO.
AV2000-(F.N)02-(5~6)KOZ(B.C)(-R.Z)-A-X2016	AV20-(5~6)KOZ(B.C)A-X2016
AV3000-(F.N)03-(5~6)KOZ(B.C)(-R.Z)-A-X2016	
AV4000-(F.N)04-(5~6)KOZ(B.C)(-R.Z)-A-X2016	AV40-(5~6)KOZ(B.C)A-X2016
AV5000-(F.N)06.10-(5~6)KOZ(B.C)(-R.Z)-A-X2016	

LIGHT/SURGE VOLTAGE SUPPRESSOR FIGURE

POLARITY PROTECTION DIODE



PLEASE CONNECT CORRECTLY
THE LEAD WIRES TO + (POSITIVE) AND
- (NEGATIVE) INDICATIONS ON
THE CONNECTOR.

SPECIFICATIONS

PROOF PRESS.	MPa (psi)	1.5 (225)
WORKING PRESS. RANGE	MPa (psi)	0.2~1.0 (30~150)
WORKING FLUID		AIR
AMBIENT TEMP. AND WORKING FLUID TEMP.	°C (°F)	0~50 (32~122)
STANDARDS INFORMATION		CE/UKCA MARKED

1	REFER TO TABLE 3.		PILOT VALVE ASSEMBLY		-	1			
ITEM	PART NO		PART NAME		MATERIAL	QTY	REMARKS		
1 2 3 4 5 6 7 8 9 10						FINISH	-		
						PAINT	-		
	ADDITIN:"UKKA" NOTE: DIMENSION(J)					MASS	-		
	CHANGE-PRODUCT No.(- (5.6)D+-(5.6)XO)		2022-07-28	MHigashiyama	DOC1007434				
	INITIAL RELEASE		2021-12-02	MHigashiyama	-	PACKING	-		
REV	QTY	DESCRIPTION		DATE	PREPARED	REV NO	MATERIAL	MODEL	QTY
TOLERANCES JIS B 0405				DRAWN		SCALE			
GRADE				DATE		FREE		THIRD ANGLE	
RANGE (mm)									
f t m C									
0.5 ≤D≤3				DESIGNED		DWG NAME			
0.05 0.1 0.2				DATE		SOFT START-UP VALVE			
3<D≤6				M Higashiyama					
0.05 0.1 0.3				DATE					
6<D≤30				CHECKED					
0.1 0.2 0.5				G Mmura					
30<D≤120				DATE					
0.05 0.3 0.8				2022-07-28					
120<D≤400				APPROVED					
0.2 0.5 1.2				K Matsushita					
400<D≤1000				DATE					
0.3 0.8 2				2022-07-28					
1000<D≤2000									
0.5 1.2 3									
DWG REC					DWG ID		AC56530801		SMC Corporation

FINISH: 表面处理 / PAINT: 塗装 / MASS: 質量
PACKING: 包装区分 / MATERIAL: 材質
MATERIAL SIZE: 材料寸法

DWG NAME

DWG REC

