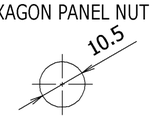
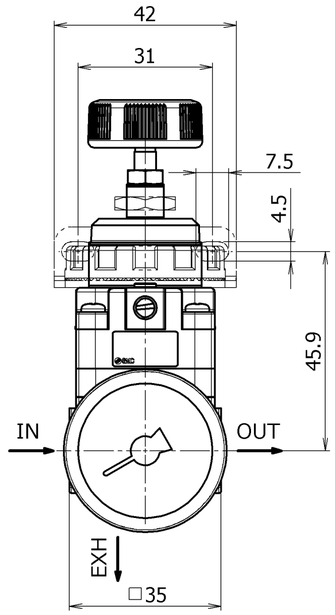
DWG NO ⓒIR10(0,1,2)0-(F,N)01(B)G(H)(-R,V)-A-X1073 ⚠1

MOUNTING HOLE FOR
HEXAGON PANEL NUT





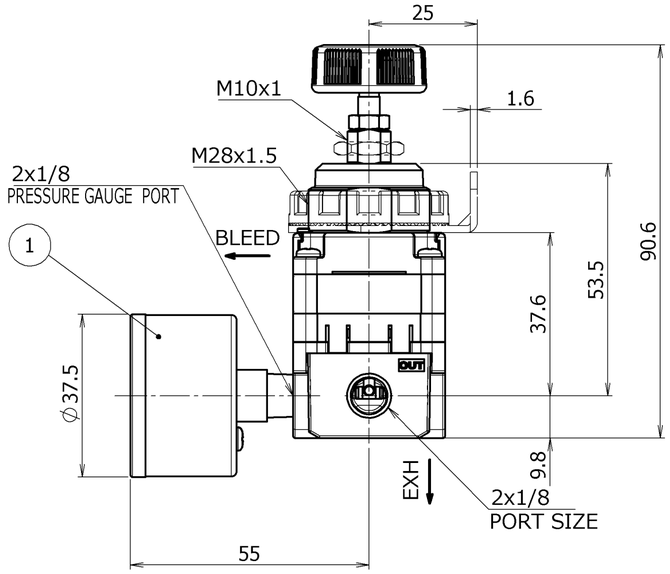


TABLE2 PART NUMBER OF PRESSURE GAUGE

MODEL	PART NUMBER OF PRESSURE GAUGE
IR1000-(F)01-A-X1073	G36-P2-01-L-X30
IR1000-N01-A-X1073	G36-P2-N01-L-X30
IR1010-(F)01-A-X1073	G36-P4-01-L-X30
IR1010-N01-A-X1073	G36-P4-N01-L-X30
IR1020-(F)01-A-X1073	G36-P10-01-L-X30
IR1020-N01-A-X1073	G36-P10-N01-L-X30

ORDER SPECIFICATION CODE

IR10 [0] 0 – [ ] 01 [ ] G [ ] – [ ] – A – X1073

SYMBOL	SET PRESSURE RANGE
0	0.2 MPa
1	0.4 MPa
2	0.8 MPa

SYMBOL	PIPE THREAD TYPE
NIL	Rc
F	G
N	NPT

SYMBOL	OPTION	
NIL	–	
H	MOUNTING	HEXAGON PANEL NUT

SYMBOL	OPTION	
NIL	–	
B	MOUNTING	BRACKET

SYMBOL	SEMI-STANDARD	
NIL	–	
R	FLOW DERECTION	RIGHT TO LEFT
V	KONB	DOWNWARD

NOTE 1) WHEN MORE THAN ONE SPECIFICATION IS REQUIRED,
INDICATE IN ALPHANUMERIC ORDER.
REFER TO THE CATALOG TO CHECK THE AVAILABLE
COMBINATIONS OF SPECIFICATION.
NOTE 2) B AND H CANNOT BE SELECTED AT THE SAME TIME.

SPECIFICATIONS

FLUID		AIR
PROOF PRESSURE	MPa(psi)	1.5 (225)
MAX. SUPPLY PRESSURE	MPa(psi)	1.0 (150)
MIN. SUPPLY PRESSURE NOTE3)	MPa(psi)	SET PRESSURE+0.05 (SET PRESSURE+7.5)
SET PRESSURE RANGE	MPa(psi)	IR1000-A : 0.005~0.2 (0.7~30)
		IR1010-A : 0.01~0.4 (1.4~60)
		IR1020-A : 0.01~0.8 (1.4~120)
SENSITIVITY	F.S.	WITHIN 0.2 %
REPEATABILITY NOTE4)	F.S.	WITHIN ±0.5 %
AIR CONSUMPTION NOTE5)	L/min(ANR)	1 OR LESS
AMBIENT AND FLUID TEMPERATURE	℃(℉)	-5~60 (23~140) (NO FREEZING)

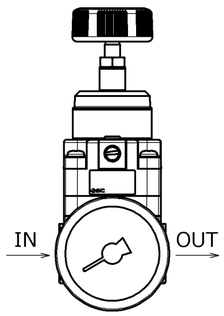
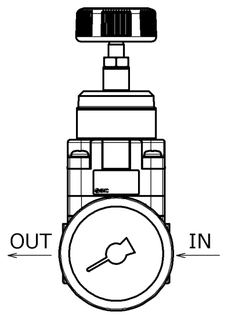
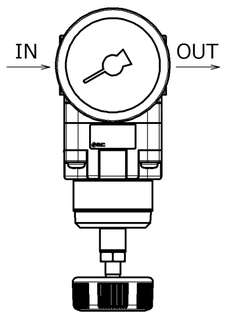
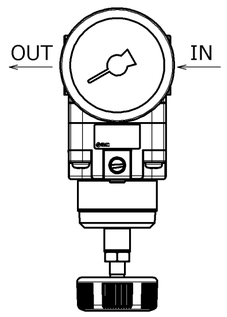
NOTE3) WHEN THERE IS NO FLOW RATE ON THE OUTLET SIDE.
NOTE4) OTHER CHARACTERISTICS SUCH AS AGING DETERIORATION AND TEMPERATURE CHARACTERISTICS ARE NOT INCLUDED.
NOTE5) MEASURING CONDITIONS : SUPPLY PRESSURE 1.0MPa
SET PRESSURE 0.2MPa

NOTE
1. OPTIONS ARE PACKED TOGETHER.

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.

SPECIFICATION AND ASSEMBLY AND INSPECTION PRECAUTIONS OF SPECIALS
DIFFERENCE WITH STANDARDS {IR10(0,1,0)0-(F,N)01(B)G(H)(-R,V)-A}
1. PARTS IN THE TITLE COLUMN DIFFER FROM STANDARD.
2. WITH PRESSURE GAUGE G36-P(2,4,10)-(N)01-L-X30

TABLE 1

SYMBOL	NIL	R	V	RV
KNOB	UPWARD	UPWARD	DOWNWARD	DOWNWARD
FLOW DIRECTION	LEFT→RIGHT	RIGHT→LEFT	LEFT→RIGHT	RIGHT→LEFT
APPEARANCE DRAWING				

⚠1	1	TABLE 2	PRESSURE GAUGE	-	1	
	ITEM	PART NO	PART NAME	MATERIAL	QTY	REMARKS

REV	QTY	DESCRIPTION	DATE	PREPARED	REV NO
⚠1	1	CORRECTION OF ERROR	2023-04-21	K.Ono	DOC1037673
⓪	-	INITIAL RELEASE	2023-04-11	K.Ono	-

FINISH	-
PAINT	-
MASS	-
PACKING	-
MATERIAL	-
MATERIAL SIZE	-

MODEL QTY

THIRD ANGLE

TOLERANCES JIS B 0405

RANGE(mm)	GRADE f	GRADE m	GRADE c
	±	±	±
0.5≤D≤3	0.05	0.1	0.2
3<D≤6	0.05	0.1	0.3
6<D≤30	0.1	0.2	0.5
30<D≤120	0.15	0.3	0.8
120<D≤400	0.2	0.5	1.2
400<D≤1000	0.3	0.8	2
1000<D≤2000	0.5	1.2	3

DRAWN	M.Kimura	SCALE FREE
DATE	2023-04-21	
DESIGNED	K.Ono	DWG NAME PRECISION REGULATOR
DATE	2023-04-21	
CHECKED	K.Tsukamoto	DWG NO ⓒIR10(0,1,2)0-(F,N)01(B)G(H)(-R,V)-A-X1073
DATE	2023-04-24	REVISION 1
APPROVED	K.Ogawa	
DATE	2023-04-24	

G

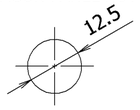
FINISH:表面処理 / PAINT:塗装 / MASS:質量
PACKING:包装区分 / MATERIAL:材質
MATERIAL SIZE:材料寸法

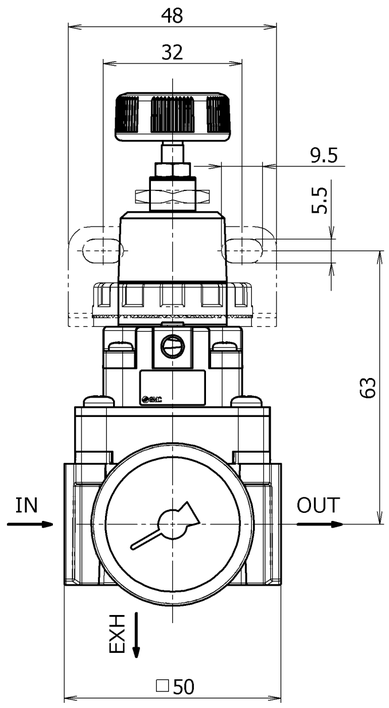
DWG NAME | DWG REC | DWG ID GC11177801 | SMC Corporation

SW-A2-V06

DWG NO ⓒIR20(0,1,2)0-(F,N)02(B)G(H)(-R,V)-A-X1073

MOUNTING HOLE FOR
HEXAGON PANEL NUT





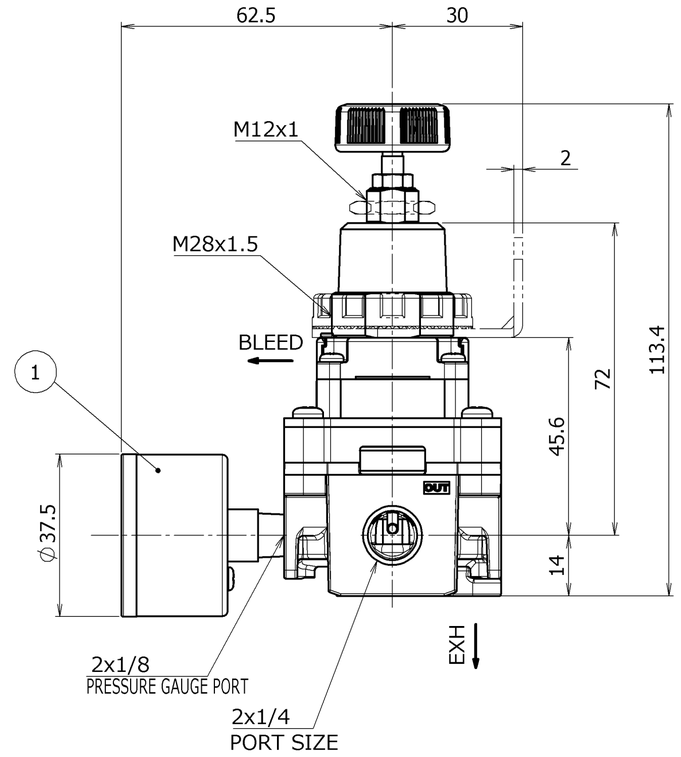


TABLE2 PRAT NUMBER OF PRESSURE GAUGE

MODEL	PART NUMBER OF PRESSURE GAUGE
IR2000-(F)02-A-X1073	G36-P2-01-L-X30
IR2000-N02-A-X1073	G36-P2-N01-L-X30
IR2010-(F)02-A-X1073	G36-P4-01-L-X30
IR2010-N02-A-X1073	G36-P4-N01-L-X30
IR2020-(F)02-A-X1073	G36-P10-01-L-X30
IR2020-N02-A-X1073	G36-P10-N01-L-X30

ORDER SPECIFICATION CODE

IR20 [0] 0 – [ ] 02 [ ] G [ ] – [ ] – A – X1073

SYMBOL	SET PRESSURE RANGE
0	0.2 MPa
1	0.4 MPa
2	0.8 MPa

SYMBOL	PIPE THREAD TYPE
NIL	Rc
F	G
N	NPT

SYMBOL	OPTION	
NIL	–	
H	MOUNTING	HEXAGON PANEL NUT

SYMBOL	SEMI-STANDARD	
NIL	–	
R	FLOW DERECTION	RIGHT TO LEFT
V	KONB	DOWNWARD

SYMBOL	OPTION	
NIL	–	
B	MOUNTING	BRACKET

NOTE 1) WHEN MORE THAN ONE SPECIFICATION IS REQUIRED,
INDICATE IN ALPHANUMERIC ORDER.
NOTE 2) B AND H CANNOT BE SELECTED AT THE SAME TIME.

SPECIFICATIONS

FLUID		AIR
PROOF PRESSURE	MPa(psi)	1.5 (225)
MAX. SUPPLY PRESSURE	MPa(psi)	1.0 (150)
MIN. SUPPLY PRESSURE NOTE3)	MPa(psi)	SET PRESSURE+0.05 (SET PRESSURE+7.5)
SET PRESSURE RANGE	MPa(psi)	IR2000-A : 0.005~0.2 (0.7~30) IR2010-A : 0.01~0.4 (1.4~60) IR2020-A : 0.01~0.8 (1.4~120)
SENSITIVITY	F.S.	WITHIN 0.2 %
REPEATABILITY NOTE4)	F.S.	WITHIN ±0.5 %
AIR CONSUMPTION NOTE5)	L/min(ANR)	1 OR LESS
AMBIENT AND FLUID TEMPERATURE	℃(℉)	-5~60 (23~140) (NO FREEZING)

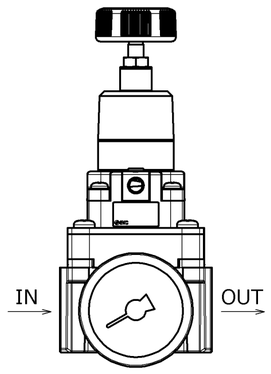
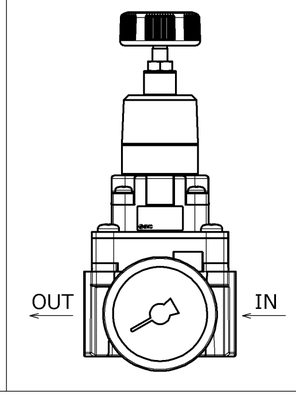
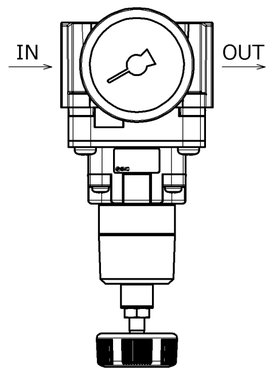
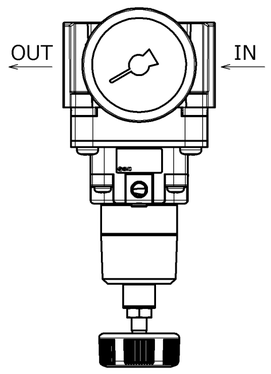
NOTE3) WHEN THERE IS NO FLOW RATE ON THE OUTLET SIDE.
NOTE4) OTHER CHARACTERISTICS SUCH AS AGING DETERIORATION
AND TEMPERATURE CHARACTERISTICS ARE NOT INCLUDED.
NOTE5) MEASURING CONDITIONS : SUPPLY PRESSURE 1.0MPa
SET PRESSURE 0.2MPa

NOTE
1. OPTIONS ARE PACKED TOGETHER.

UNLESS OTHERWISE NOTED ALONG WITH A SEPARATE CONTRACT OR AGREEMENT WITHIN THE PRODUCT SPECIFICATIONS, THE SAFETY INSTRUCTIONS SPECIFIED IN THE PRODUCT CATALOG ARE APPLIED.
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SPECIFICATION AND ASSEMBLY AND INSPECTION PRECAUTIONS OF SPECIALS
DIFFERENCE WITH STANDARDS {IR20(0,1,2)0-(F,N)02(B)G(H)(-R,V)-A}
1. PARTS IN THE TITLE COLUMN DIFFER FROM STANDARD.
2. WITH PRESSURE GAUGE G36-P(2,4,10)-(N)01-L-X30

TABLE 1

SYMBOL	NIL	R	V	RV
KNOB	UPWARD	UPWARD	DOWNWARD	DOWNWARD
FLOW DIRECTION	LEFT→RIGHT	RIGHT→LEFT	LEFT→RIGHT	RIGHT→LEFT
APPEARANCE DRAWING				

ITEM	PART NO	PART NAME	MATERIAL	QTY	REMARKS
1	TABLE2	PRESSURE GAUGE	-	1	

REV	QTY	DESCRIPTION	DATE	PREPARED	REV NO
0	-	INITIAL RELEASE	2023-04-06	K.Ono	-

TOLERANCES JIS B 0405			
RANGE(mm)	GRADE f	m	c
0.5≤D≤3	0.05	0.1	0.2
3<D≤6	0.05	0.1	0.3
6<D≤30	0.1	0.2	0.5
30<D≤120	0.15	0.3	0.8
120<D≤400	0.2	0.5	1.2
400<D≤1000	0.3	0.8	2
1000<D≤2000	0.5	1.2	3

DRAWN	M.Kimura	
DATE	2023-04-06	
DESIGNED	K.Ono	
DATE	2023-04-06	
CHECKED	K.Tsukamoto	
DATE	2023-05-11	
APPROVED	K.Ogawa	
DATE	2023-05-12	

FINISH	-
PAINT	-
MASS	-
PACKING	-
MATERIAL	-
MATERIAL SIZE	-

SCALE FREE
THIRD ANGLE
MODEL QTY

DWG NAME PRECISION REGULATOR
DWG NO ⓒIR20(0,1,2)0-(F,N)02(B)G(H)(-R,V)-A-X1073
REVISION △ G

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

DWG NAME | DWG REC | DWG ID GC11179500 | SMC Corporation

SW-A2-V06

DWG NO ⓒIR30(0,1,2)0-(F,N)02~04(B)G(H)(-R,V)-A-X1073

TABLE2 PART NUMBER OF PRESSURE GAUGE

MODEL	PART NUMBER OF PRESSURE GAUGE
IR3000-(F)02~04-A-X1073	G36-P2-01-L-X30
IR3000-N02~04-A-X1073	G36-P2-N01-L-X30
IR3010-(F)02~04-A-X1073	G36-P4-01-L-X30
IR3010-N02~04-A-X1073	G36-P4-N01-L-X30
IR3020-(F)02~04-A-X1073	G36-P10-01-L-X30
IR3020-N02~04-A-X1073	G36-P10-N01-L-X30

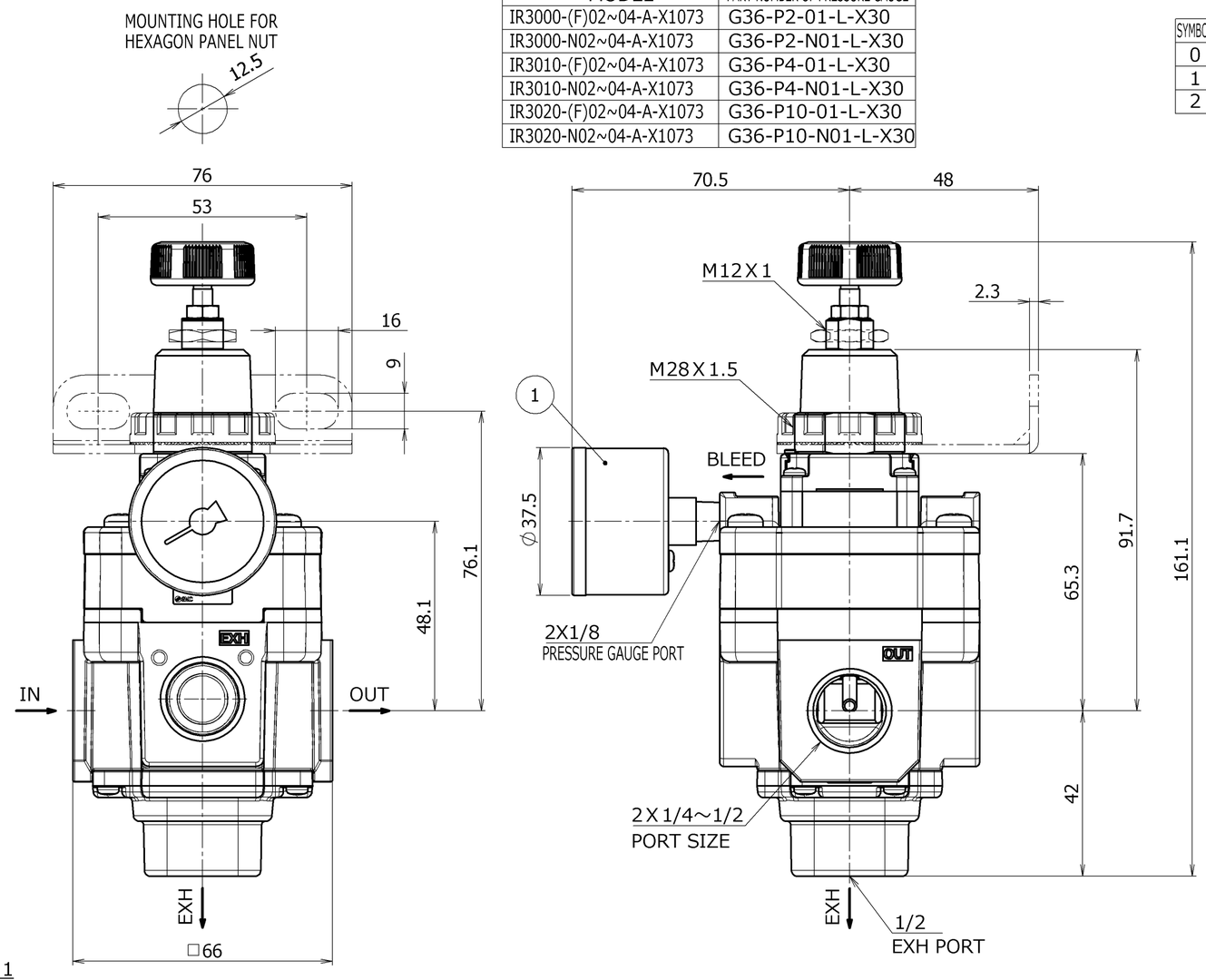
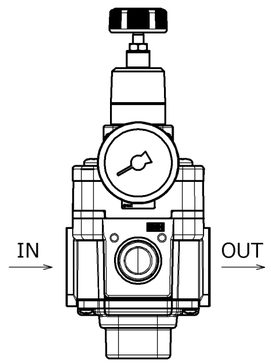
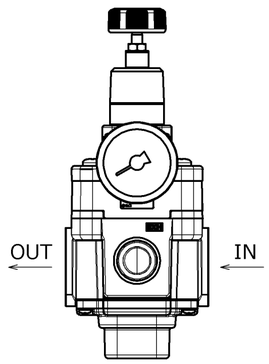
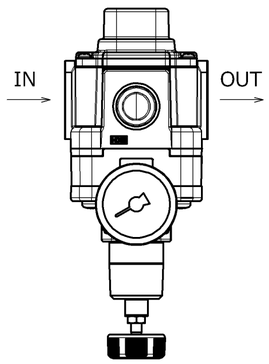
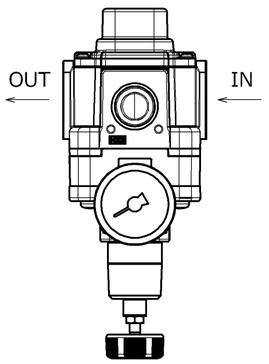


TABLE 1

SYMBOL	NIL	R	V	RV
KNOB	UPWARD	UPWARD	DOWNWARD	DOWNWARD
FLOW DIRECTION	LEFT→RIGHT	RIGHT→LEFT	LEFT→RIGHT	RIGHT→LEFT
APPEARANCE DRAWING				

ORDER SPECIFICATION CODE

IR30 [0] 0 – [ ] [02] [ ] G [ ] – [ ] – A – X1073

SYMBOL	SET PRESSURE RANGE
0	0.2 MPa
1	0.4 MPa
2	0.8 MPa

SYMBOL	PIPE THREAD TYPE
NIL	Rc
F	G
N	NPT

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

SYMBOL	OPTION	
NIL	–	
H	MOUNTING	HEXAGON PANEL NUT

SYMBOL	OPTION	
NIL	–	
B	MOUNTING	BRACKET

SYMBOL	SEMI-STANDARD	
NIL	–	
R	FLOW DIRECTION	RIGHT TO LEFT
V	KONB	DOWNWARD

NOTE 1) WHEN MORE THAN ONE SPECIFICATION IS REQUIRED, INDICATE IN ALPHANUMERIC ORDER.
NOTE 2) B AND H CANNOT BE SELECTED AT THE SAME TIME.

SPECIFICATIONS

FLUID		AIR
PROOF PRESSURE	MPa(psi)	1.5 (225)
MAX. SUPPLY PRESSURE	MPa(psi)	1.0 (150)
MIN. SUPPLY PRESSURE[NOTE3]	MPa(psi)	SET PRESSURE+0.1 (SET PRESSURE+15)
SET PRESSURE RANGE	MPa(psi)	IR3000-A : 0.01~0.2 (1.4~30)
		IR3010-A : 0.01~0.4 (1.4~60)
		IR3020-A : 0.01~0.8 (1.4~120)
SENSITIVITY	F.S.	WITHIN 0.2 %
REPEATABILITY[NOTE4]	F.S.	WITHIN ±0.5 %
AIR CONSUMPTION[NOTE5]	L/min(ANR)	1 OR LESS
AMBIENT AND FLUID TEMPERATURE	℃(℉)	-5~60 (23~140) (NO FREEZING)

NOTE3) WHEN THERE IS NO FLOW RATE ON THE OUTLET SIDE.
NOTE4) OTHER CHARACTERISTICS SUCH AS AGING DETERIORATION AND TEMPERATURE CHARACTERISTICS ARE NOT INCLUDED.
NOTE5) MEASURING CONDITIONS : SUPPLY PRESSURE 1.0MPa
SET PRESSURE 0.2MPa

NOTE
1. OPTIONS ARE PACKED TOGETHER.

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.

SPECIFICATION AND ASSEMBLY AND INSPECTION PRECAUTIONS OF SPECIALS
DIFFERENCE WITH STANDARDS {IR30(0,1,2)0-(F,N)02~04(B)G(H)(-R,V)-A}
1. PARTS IN THE TITLE COLUMN DIFFER FROM STANDARD.
2. WITH PRESSURE GAUGE G36-P(2,4,10)-(N)01-L-X30

ITEM	PART NO	PART NAME	MATERIAL	QTY	REMARKS
1	TABLE 2	PRESSURE GAUGE	-	1	

REV	QTY	DESCRIPTION	DATE	PREPARED	REV NO
0	-	INITIAL RELEASE	2023-04-06	K.Ono	-

TOLERANCES JIS B 0405

RANGE(mm)	GRADE f +/-	m +/-	c +/-
0.5≤D≤3	0.05	0.1	0.2
3<D≤6	0.05	0.1	0.3
6<D≤30	0.1	0.2	0.5
30<D≤120	0.15	0.3	0.8
120<D≤400	0.2	0.5	1.2
400<D≤1000	0.3	0.8	2
1000<D≤2000	0.5	1.2	3

DRAWN	M.Kimura	
DATE	2023-04-06	
DESIGNED	K.Ono	
DATE	2023-04-06	
CHECKED	K.Tsukamoto	
DATE	2023-05-11	
APPROVED	K.Ogawa	
DATE	2023-05-12	

SCALE: FREE

FINISH	-
PAINT	-
MASS	-
PACKING	-
MATERIAL	-
MATERIAL SIZE	-

MODEL | QTY

THIRD ANGLE

DWG NAME: PRECISION REGULATOR

DWG NO: ⓒIR30(0,1,2)0-(F,N)02~04(B)G(H)(-R,V)-A-X1073

REVISION: G

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

DWG NAME | DWG REC | DWG ID GC11188200 | SMC Corporation

SW-A2-V06