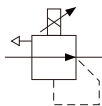


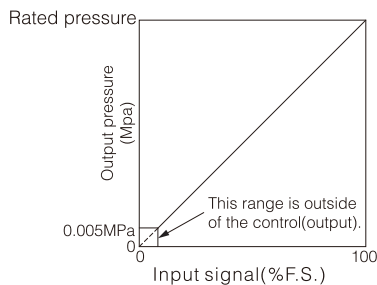


Symbol



Product feature

1. Electrical proportional way to achieve stepless control of outlet pressure;
2. Compact and lightweight;
3. Low power consumption: less than 4W (communication form).



Input/output characteristics chart

Note: please don't install mist sprayer on the gas supply side

Ordering code

ITV 3 0 1 0 0 1 2 S			
Model			
1	1000 type		
2	2000 type		
3	3000 type		
Pressure range			
1	0.1MPa {1.0kgf/cm ² }		
3	0.5MPa {5.1kgf/cm ² }		
5	0.9MPa {9.2kgf/cm ² }		
Power supply voltage			
0	DC24V		
1	DC12~15V		
Input signal			
0	Current type ~20mA		
1	Current type ~20mA		
2	Current type DC 0~5V		
3	Current type DC 0~10V		
*4	Preset input		
Monitor output			
*0	No (preset input)		
1	Analog output DC 1~5V		
*2	Switch output/NPN output		
*3	Switch output/PNP output		
*4	Analog output 4~20mA		
* standard type			
Port size			
1	1/8" (1000 type)		
2	1/4" (1000, 2000, 3000 type)		
3	3/8" (2000, 3000 type)		
4	1/2" (3000 type)		
Cable connector type			
S	Straight type 3m		
*L	Right angle type 3m		
* standard type			

* The standard type monitor output only corresponds to the "0" option.

Accessories (optional) / parts type

describe		Product type		
		ITV10□□	ITV20□□	ITV30□□
Plate type bracket assembly (with mounting screws)Type		KT-ITV-F1	KT-ITV-F2	
L bracket assembly (with mounting screws)		KT-ITV-L1	KT-ITV-L2	
Cable joint	Straight type 3m	P398020-500-3		
	Right angle type 3m	P398020-501-3		

Specifications

Model		ITV101□	ITV103□	ITV105□
		ITV201□	ITV203□	ITV205□
		ITV301□	ITV303□	ITV305□
Minimum supply pressure		Set pressure+0.1MPa		
Maximum supply pressure		0.2MPa	1.0MPa	
Set pressure range		0.005~0.1MPa	0.005~0.5MPa	0.005~0.9MPa
Power supply	Voltage	DC24V±10%, DC12~15V		
	Current consumption	Power supply voltage DC24V: 0.12A or less Power supply voltage DC12~15V: 0.18A or less		
Input signal	Current type ^{Note 1)}	4~20mA, 0~20mA		
	Voltage type	DC: 0~5V, DC: 0~10V		
	Preset input	16 points (No common polarity)		
Input impedance	Digital input	250 Ω or less		
	Current type	Approx. 6.5 kΩ		
	Voltage type	Approx 4.7kΩ (24VDC), Approx 2.0kΩ (12VDC)		
Output signal ^{Note 2)} (monitor output)	Analog output	DC1~5V (Load impedance: 1kΩ Above) 4~20mADC (Exchange type)(Load impedance: 250Ω Following)		
	Switch output	NPN open collector output: Max. 30V, 80mA PNP open collector output: Max. 80mA		
Linearity		± 1%F.S. or less		
Hysteresis		0.5%F.S. or less		
Repeatability		± 0.5%F.S. or less		
Sensitivity		0.2%F.S. or less		
Temperature characteristics		± 0.12%F.S./°C or less		
Output pressure display ^{Note 4)}	Accuracy	± 2%F.S. ± 1 digit or less		
	Minimum unit	MPa: 0.001, kgf/cm ² : 0.01, bar: 0.01, psi: 0.1 ^{Note 3)} , kPa: 1		
Ambient and fluid temperature		0 to 50°C (No condensation)		
Protective structure		Quite IP65		
Weight	ITV10□□	250g		
	ITV20□□	350g		
	ITV30□□	645g		

- Note: 1. 2-wire type 4 to 20 mA DC is not available. Power supply voltage (24 VDC or 12 to 15 VDC) is required.
2. The analog output and the switching output can be optionally one, the output of the switch, the NPN output and the PNP output, optionally one.
3. The minimum unit for 0.9 MPa (130 psi) types is 1 psi.
4. The recording characteristics are limited to static, and the pressure changes when the output side is consuming compressed air.
5. CE authentication: suffix-Q, for example: ITV1010-012S-Q.

FRL

AC/BC

AFC/BFC

AFR/BFR

AF/BF

AR/BR

AL/BL

SR

SDR

AC

AW

AF

AR

AL

F3

F2

F1

F

R

L

USFRL

USFR/L

USFR

USF

USR

USL

QSL

QTY

QIU

QTYH

QSLH

QFRH

AFF

AF(Big)

AL(Big)

AR(Big)

AD402

AH402

AD-5

IR

ITV

ACR

F804

PG

FRL

AC/BC

AFC/BFC

AFR/BFR

AF/BF

AR/BR

AL/BL

SR

SDR

AC

AW

AF

AR

AL

F3

F2

F1

F

R

L

USFRL

USFR/L

USFR

USF

USR

USL

QSL

QTY

QIU

QTYH

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QFRH

AFF

AF(Big)

AL(Big)

AR(Big)

AD402

AH402

AD-5

IR

ITV

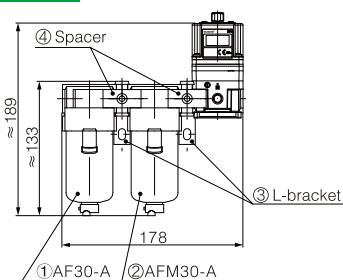
ACR

F804

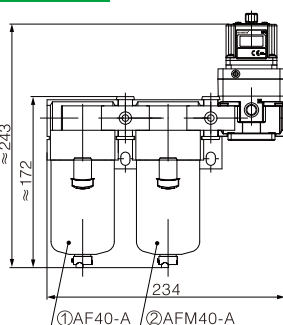
PG

Installed on modular filter assembly

ITV20□□



ITV30□□



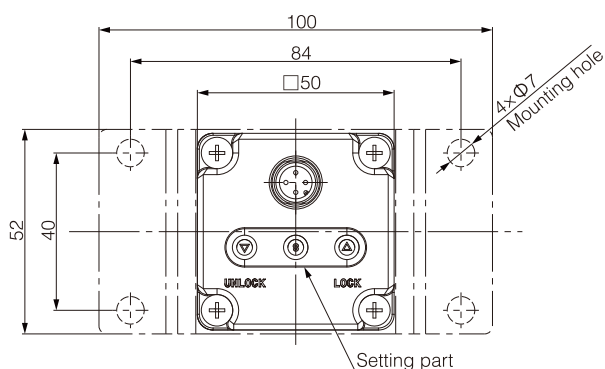
* ITV10□□ model is not suitable for the fortieth.

Applicable products and accessories	Applicable model	
	ITV20□□	ITV30□□
① Air filter	AF30-A	AF40-A
② Mist separator	AFM30-A	AFM40-A
③ L-bracket	B310L	B410L
④ Spacer	Y30	Y40
⑤ Spacer with L-bracket (③+④)	Y30L	Y40L
⑥ Spacer with T-bracket	-	Y40T

Dimensions

Flat bracket

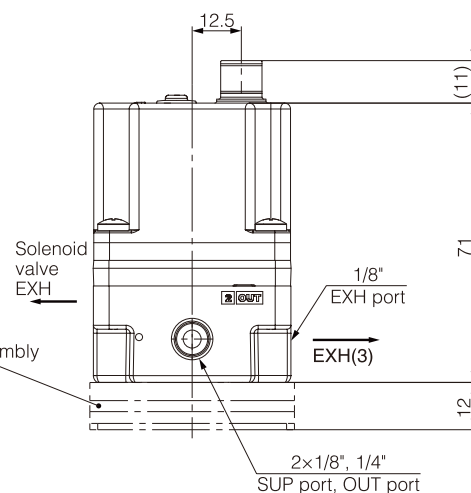
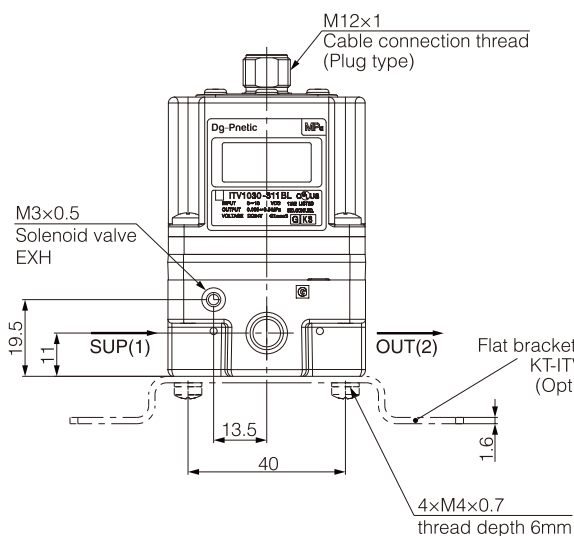
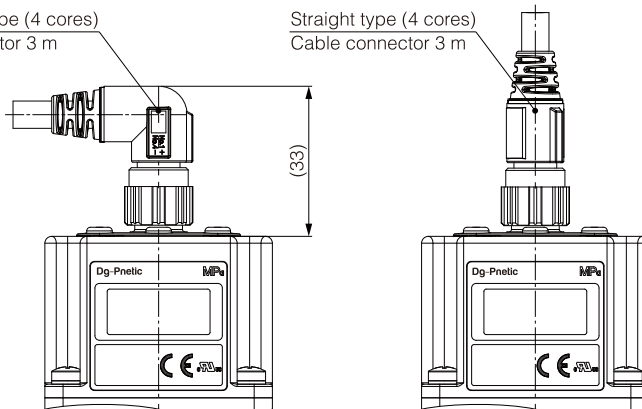
ITV10□□



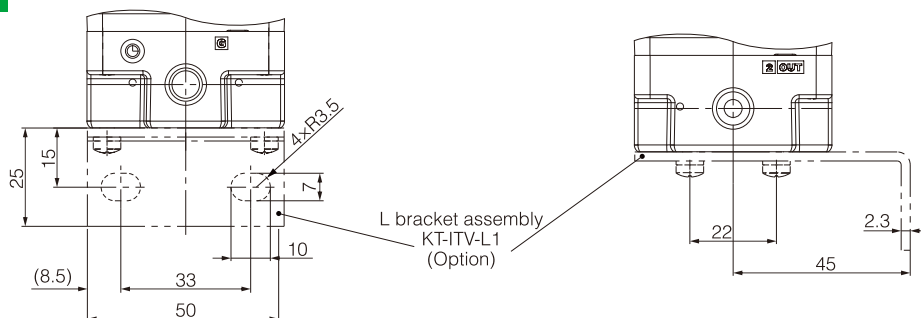
Note: Do not attempt to rotate, as the cable connector does not turn.

Right angle type (4 cores)
Cable connector 3 m

Straight type (4 cores)
Cable connector 3 m

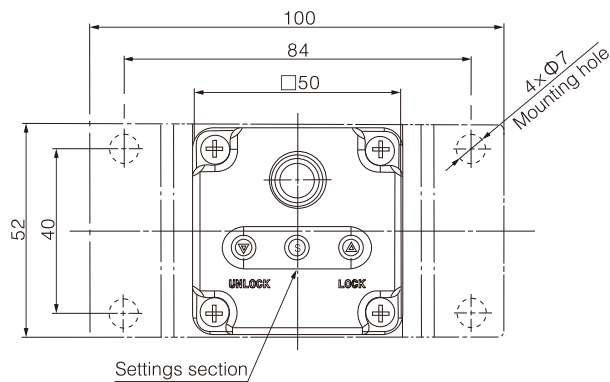


L-bracket

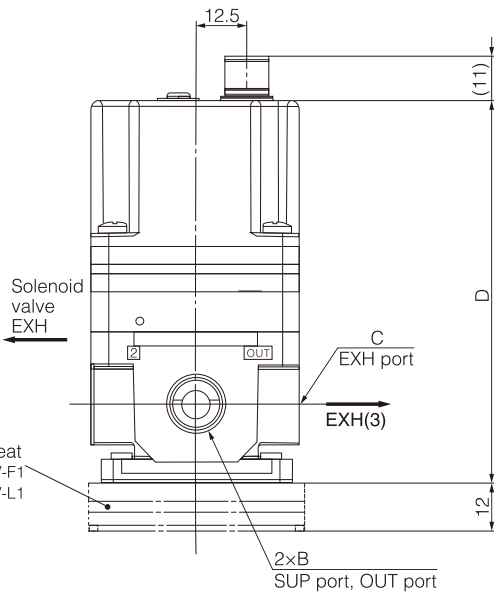
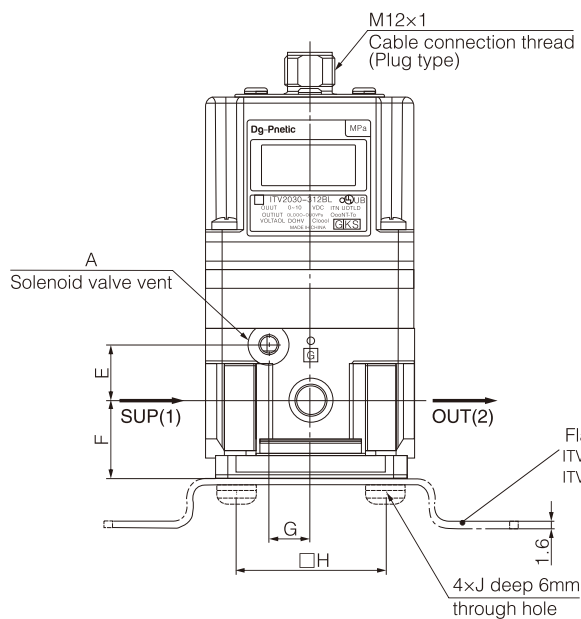
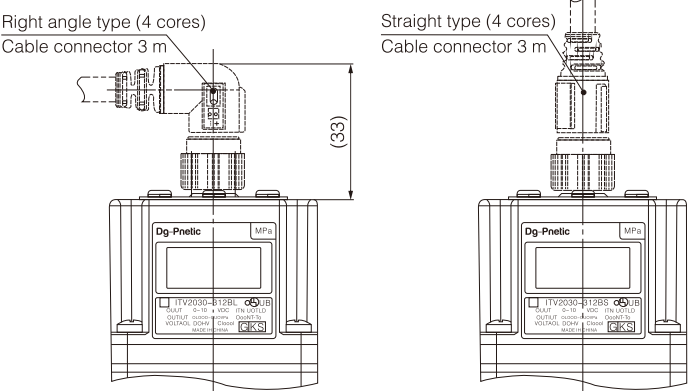


Flat bracket

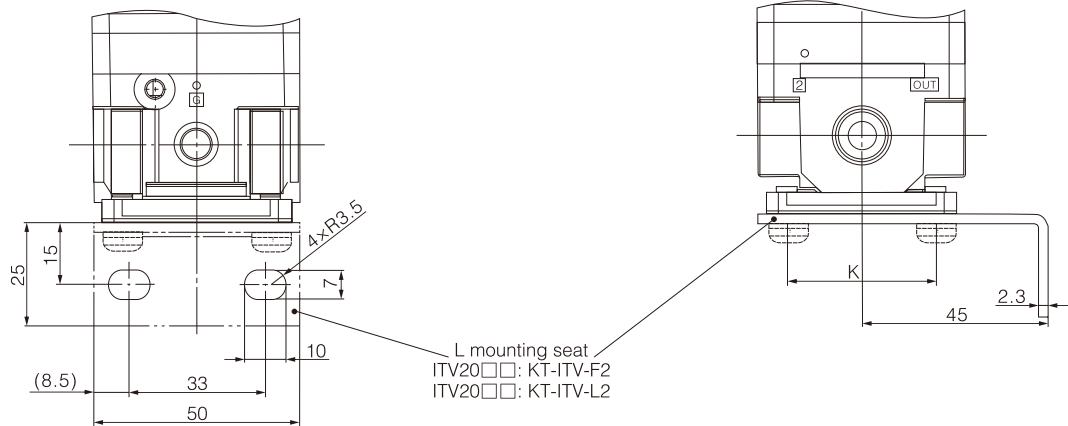
ITV20□□



Note: Do not attempt to rotate, as the cable connector does not turn.



L bracket



	A	B	C	D	E	F	G	H	J	K
ITV10□□-□□	M3×0.5	1/8", 1/4"	1/8"	71	8.5	11	13.5	40	M4×0.7	22
ITV20□□-□□	M5×0.8	1/4", 3/8"	1/4"	93	13.5	19	10	36	M5×0.8	36

Note: The outline of the ITV2000 series is shown, The appearance of the ITV1000 series is in kind.

FRL

AC/BC

AFC/BFC

AFR/BFR

AF/BF

AR/BR

AL/BL

SR

SDR

AC

AW

AF

AR

AL

F3

F2

F1

F

R

L

USFRL

USFR/L

USFR

USF

USR

USL

QSL

QTY

QTIU

QTYH

QSLH

QFRH

AFF

AF(Big)

AL(Big)

AR(Big)

AD402

AH402

AD-5

IR

ITV

ACR

F804

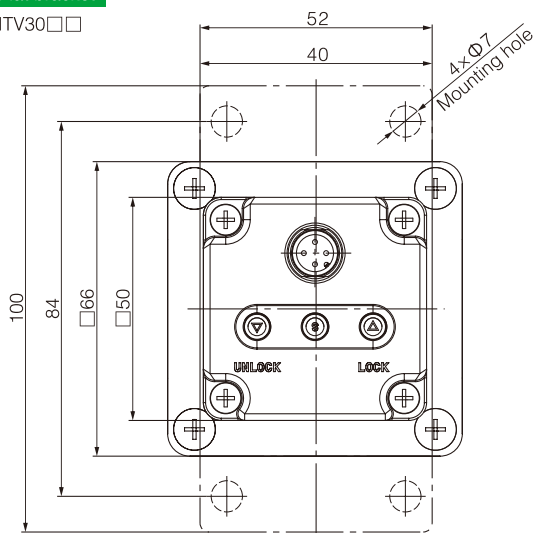
PG

FRL

AC/BC
AFC/BFC
AFR/BFR
AF/BF
AR/BR
AL/BL
SR
SDR
AC
AW
AF
AR
AL
F3
F2
F1
F
R
L
USFRL
USFR/L
USFR
USF
USR
USL
QSL
QTY
QIU
QTYH
QSLH
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AFF
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AD402
AH402
AD-5
IR
ITV
ACR
F804
PG

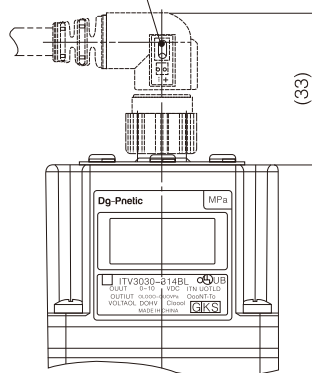
Flat bracket

ITV30□□

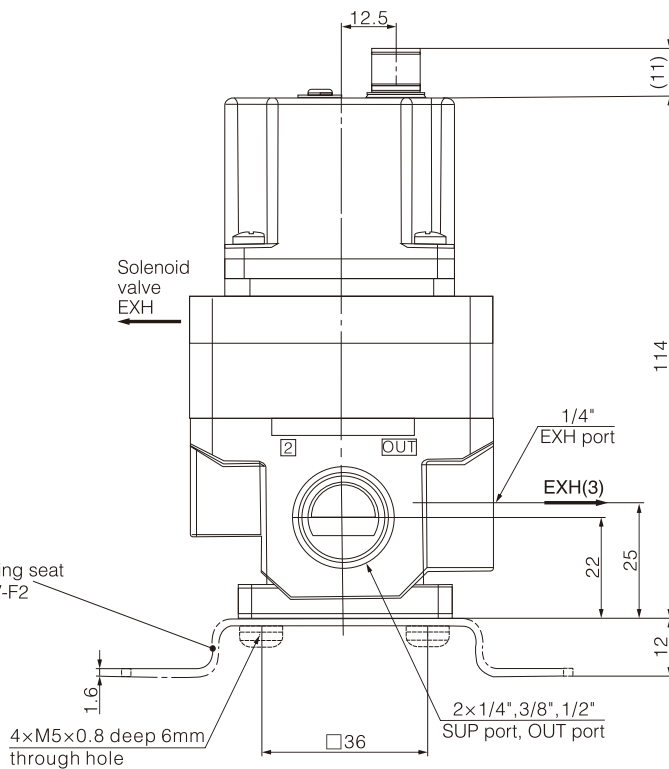
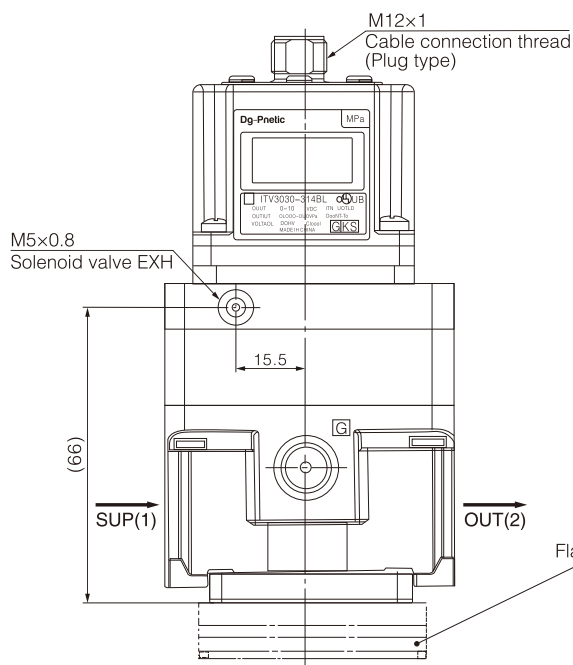
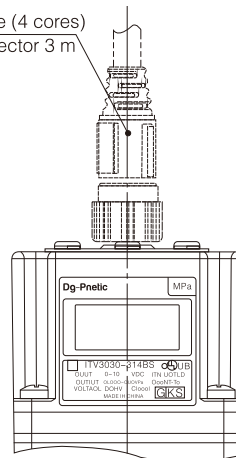


Note: Do not attempt to rotate, as the cable connector does not turn.

Right angle type (4 cores)
Cable connector 3 m



Straight type (4 cores)
Cable connector 3 m



L bracket

