

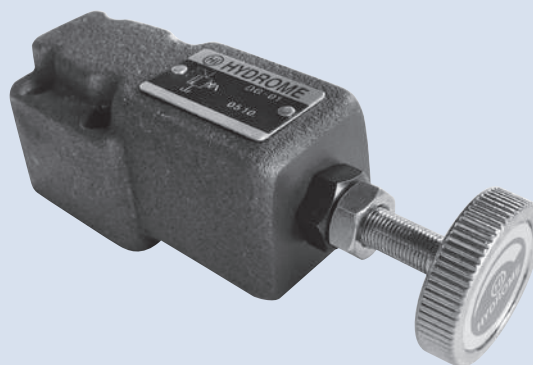
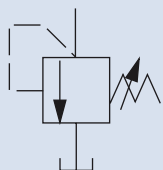


HI HYDROME

**VÁLVULAS DE
CONTROL DE
PRESIÓN**



DIRECT OPERATED TYPE RELIEF VALVE



A

How to order

D G - 01 - H

1 2 3 4

1 Model

2 Mounting type G: Sub-plate mounting T: Thread connection

3 Valve size 01: 1/8" remote control 02: 1/4" relief valve

4 Pressure adjusting range B: 5~70 bar C: 10~140 bar H: 35~230 bar 2H: 140~320 bar (for 01)

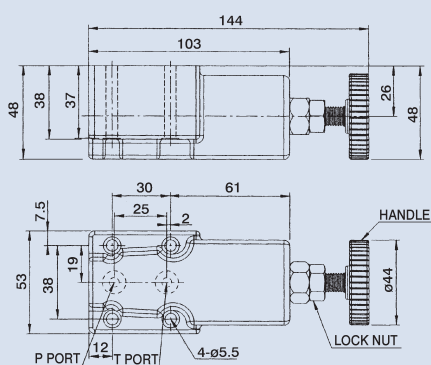
Specifications

Model		Max. Operating Pressure(bar)	Pressure Adj. Range (bar)	Max. Flow (ipm)	Weight (kg)	Bolt Size DG-※※
Sub-Plate Mounting	Thread Connection					
DG-01	DT-01	300	B: 5~70, C: 10~140, H: 35~230, 2H: 140~320	2	1.5	M5 x 40L
DG-02	DT-02	250	B: 5~70, C: 10~140, H: 35~230	16	1.6	M5 x 45L

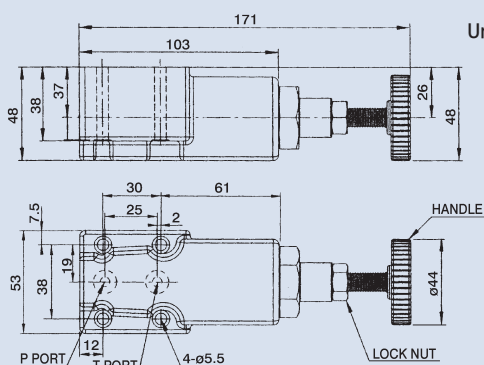
DG-01-※-K Is linked type remote control relief valve for low backpressure using.

Dimensions

DG-01

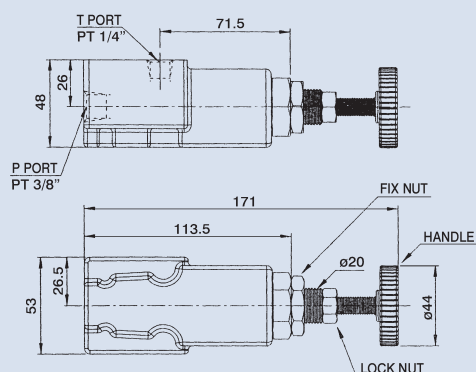


DG-02

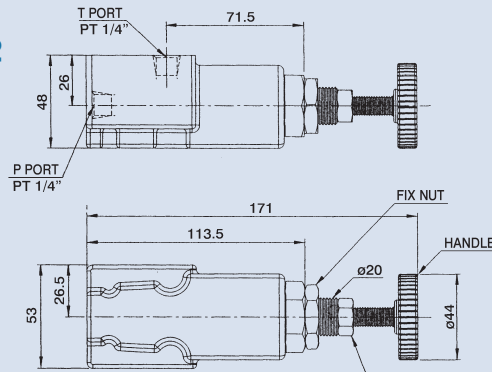


Unit: mm

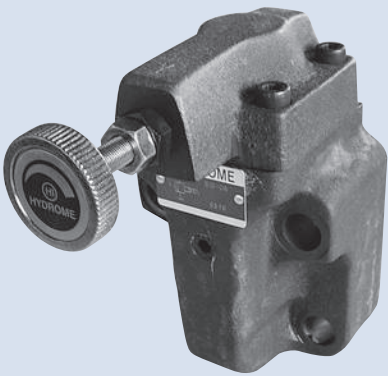
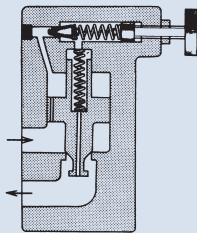
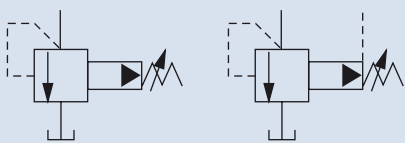
DT-01



DT-02



BALANCE PISTON TYPE PILOT OPERATED RELIEF VALVE



How to order

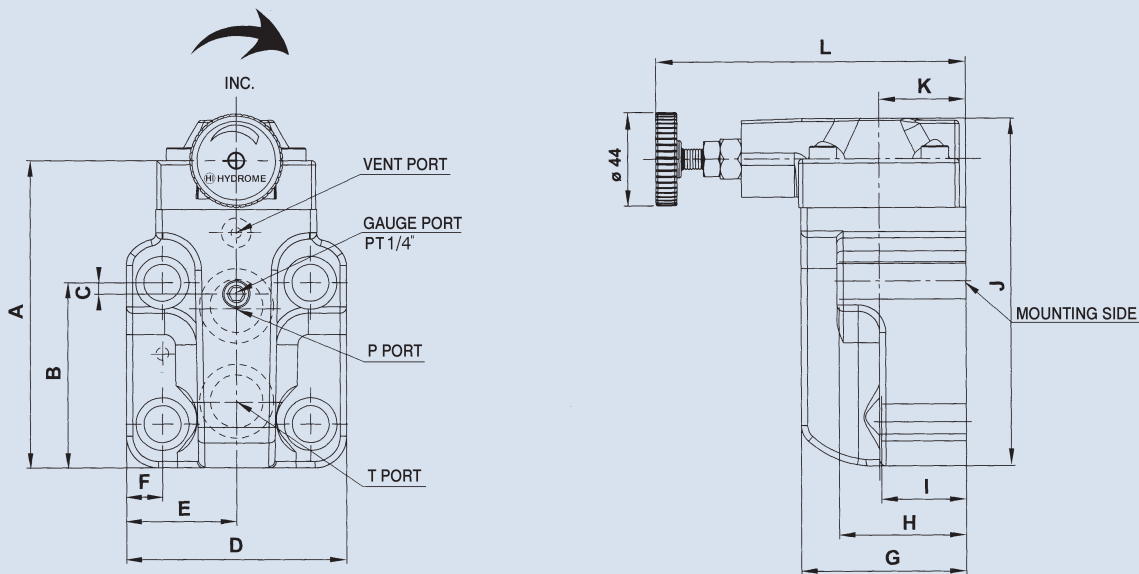
B G - 06 - H

1	2	3	4
1	Model		
2	Mounting type G: Sub-plate mounting		
3	Valve size 03: 3/8" 06: 3/4" 10: 1-1/4"		
4	Pressure adjusting range B: 5~70 bar C: 10~140 bar H: 35~230 bar 2H: 140~320 bar		

Specifications

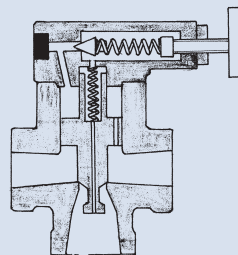
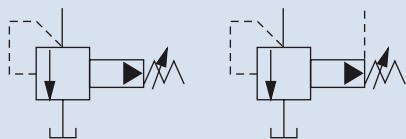
Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)	Bolt Size
BG-03	300	B: 5~70	100	5	M12 x 70L x 2pcs M12 x 90L x 2pcs
BG-06		C: 10~140	200	6.2	M16 x 55L x 2pcs M16 x 75L x 2pcs
BG-10		H: 35~230 2H: 140~320	400	10	M20 x 70L x 2pcs M20 x 90L x 2pcs

Dimensions



Model	A	B	C	D	E	F	G	H	I	J	K	L
BG-03	117	75.5	21.5	83	41.5	14.5	78	77.5	58.5	136	41	146
BG-06	145	87.5	5.5	104	52	17	78	60	40	164	41	146
BG-10	175	106	8	125	62.5	21.2	90	69.5	49.5	195	46	155

BALANCE PISTON TYPE PILOT OPERATED RELIEF VALVE



A

How to order

B T - 06 - H

1 2 3 4

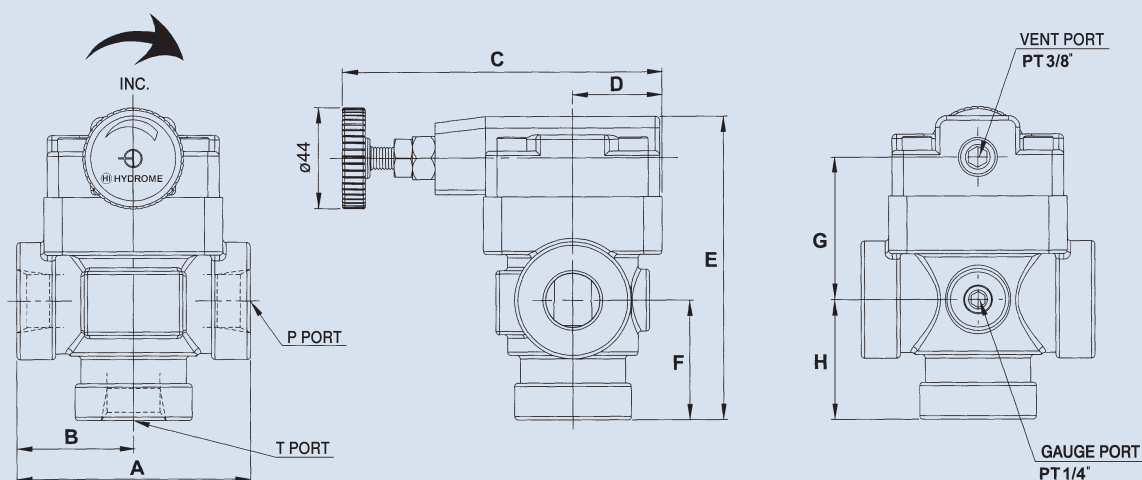
1	Model				
2	Mounting type	T: Thread connection			
3	Valve size	03: 3/8"	04: 1/2"	06: 3/4"	10: 1-1/4"
4	Pressure adjusting range	B: 5~70 bar	C: 10~140 bar	H: 35~230 bar	2H: 140~320 bar

Specifications

Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)
BT-03	300	B: 5~70	60	2.5
BT-04		C: 10~140	100	2.5
BT-06		H: 35~230	200	4
BT-10		2H: 140~320	400	8.5

Dimensions

Unit: mm



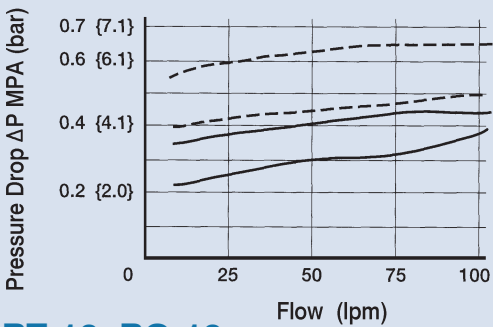
Model	A	B	C	D	E	F	G	H
BT-03	77	38.5	132	31.5	123	42	65	42
BT-06	102	51	140	39	132	52	62	52
BT-10	140	70	152	48	191	84	86	82

BALANCE PISTON TYPE PILOT OPERATED RELIEF VALVE

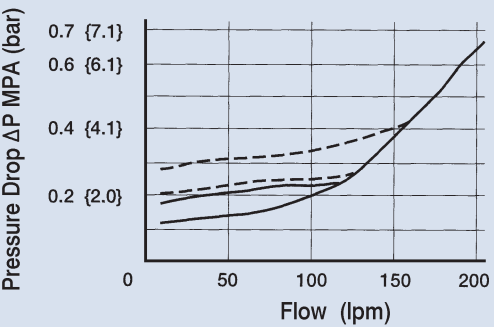
Performance curves

BT / BG series Test Fluid Viscosity: 35 CST

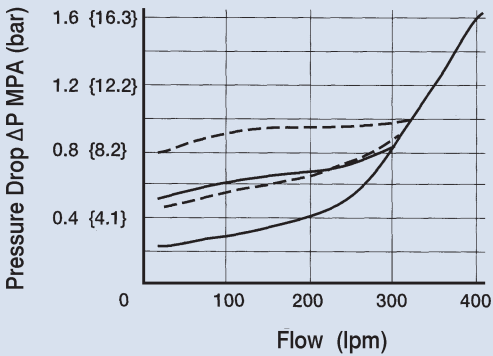
BT-03, BG-03



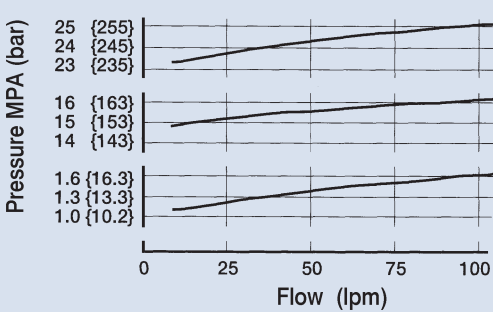
BT-06, BG-06



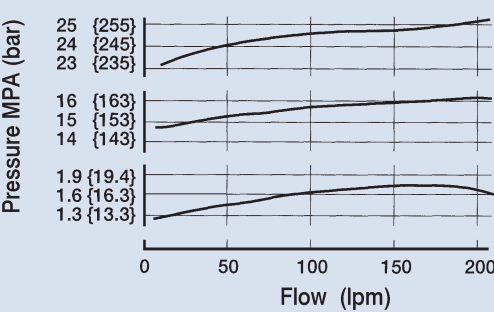
BT-10, BG-10



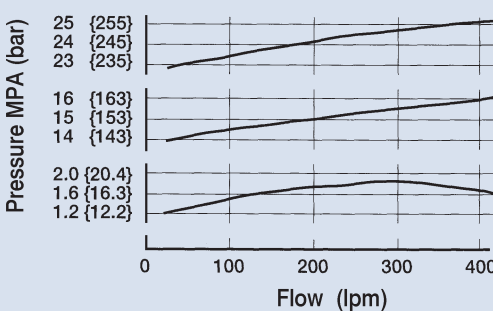
BT-03, BG-03



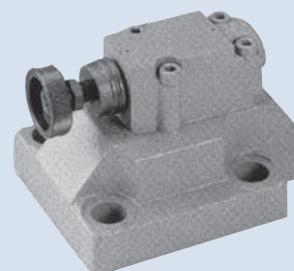
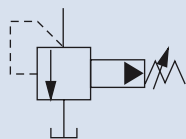
BT-06, BG-06



BT-10, BG-10



BALANCE PISTON TYPE PILOT OPERATED RELIEF VALVE



A

How to order

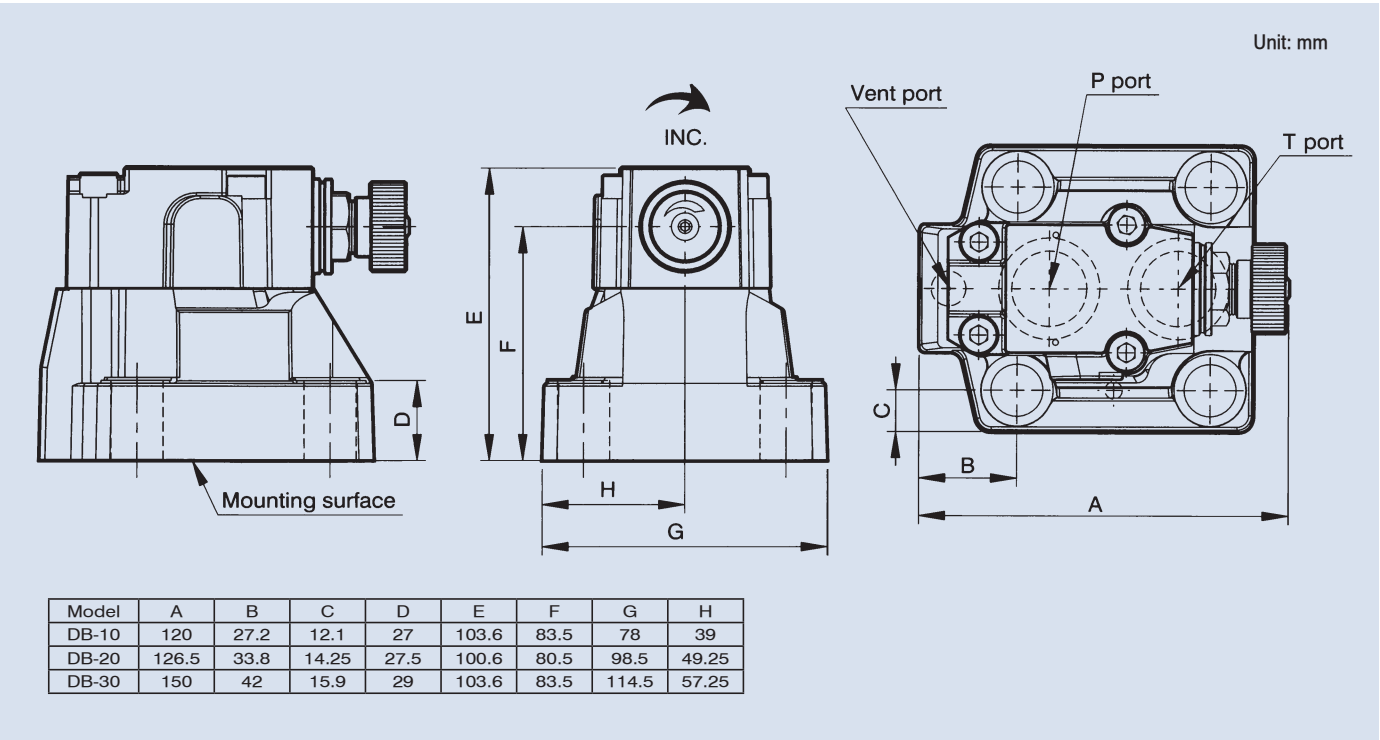
DB - 10 - ✖

1	Model	Sub-plate mounting
2	Valve size	10: 3/8" 20: 3/4" 30: 1-1/4"
3	Pressure adjusting range	B: 5~70 bar C: 7~140 bar H: 35~230 bar 2H: 140~330 bar

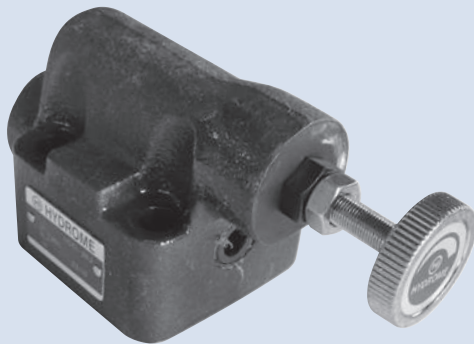
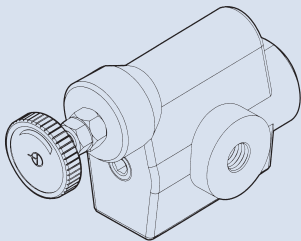
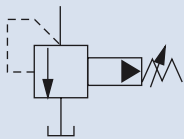
Specifications

Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)	Bolt Size
DB-10	350	B: 5~70	150	3.5	M12 x 40L
DB-20		C: 7~140	250	4.5	M16 x 45L
DB-30		H: 35~230 2H: 140~330	500	6	M20 x 55L

Dimensions



BALANCE PISTON TYPE PILOT OPERATED RELIEF VALVE



How to order

HDRI - G 03 - ※

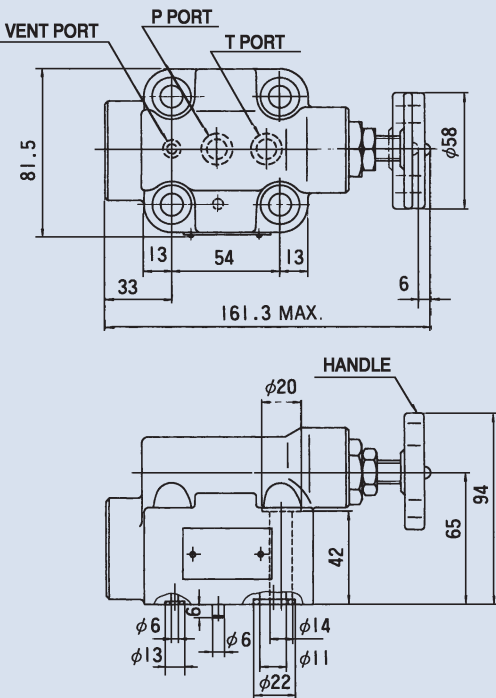
1	2	3	4
1	Model		
2	Mounting type	G: Sub-plate mounting	T: Thread connection
3	Valve size	3/8"	
4	Pressure adjusting range	1: 5~70 bar	2: 35~230 bar

Specifications

Model		Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (ipm)	Weight (kg)		Bolt Size HDRI-G03
Sub-Plate Mounting	Thread Connection				G Type	T Type	
HDRI-G03	HDRI-T03	250	1: 5~70 2: 35~230	100	3.5	3	M10 x 55L

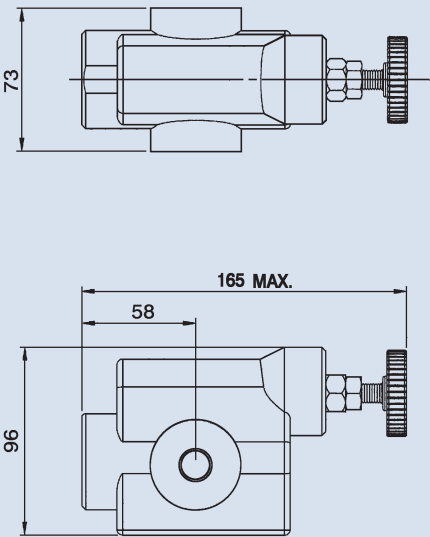
Dimensions

HDRI-G03

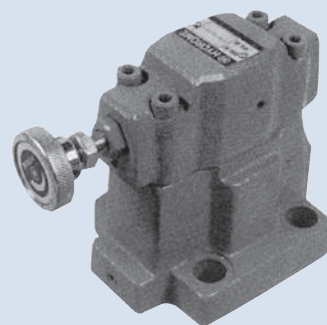
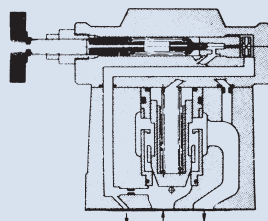
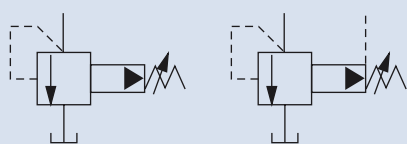


HDRI-T03

Unit: mm



LOW NOISE TYPE PILOT OPERATED RELIEF VALVE



A

How to order

SB G - 06 - H - R

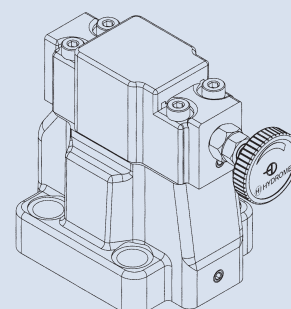
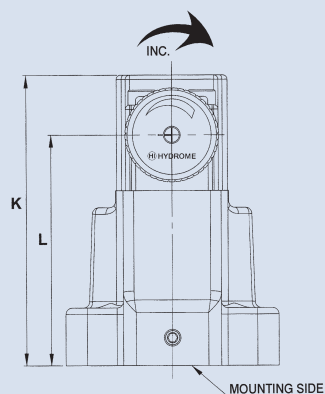
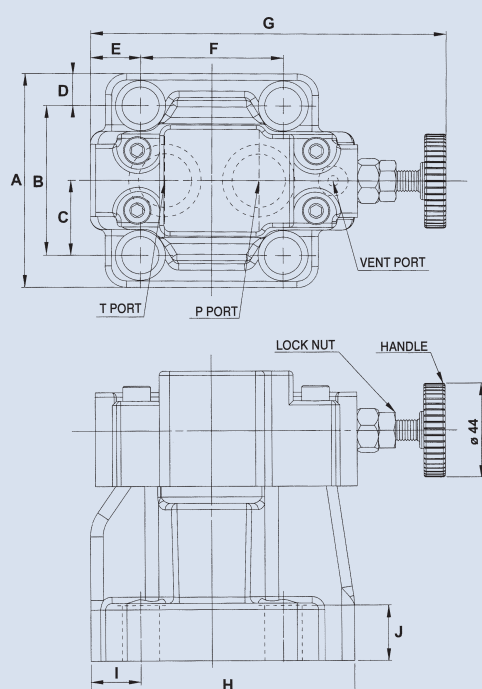
1 2 3 4 5

- 1 Model
- 2 Mounting type G: Sub-plate mounting
- 3 Valve size 03: 3/8" 06: 3/4" 10: 1-1/4"
- 4 Pressure adjusting range B: 5~70 bar C: 10~140 bar H: 35~230 bar 2H: 140~320 bar
- 5 Handle position R: Handle at P port (standard, no remarking) L: Handle at T port

Specifications

Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)	Bolt Size
SBG-03	300	B: 5~70	100	4.7	M12 x 40L
SBG-06		C: 10~140 H: 35~230	200	6	M16 x 45L
SBG-10		2H: 140~320	400	9.5	M20 x 60L

Dimensions

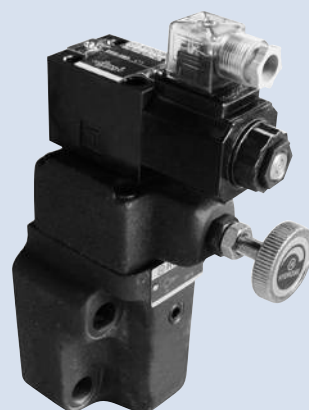
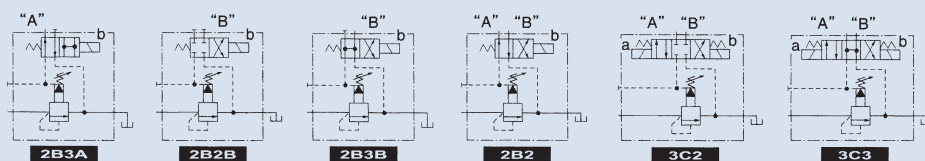


Unit: mm

Model	A	B	C	D	E	F
SBG-03	78	54	27	12	34.5	54
SBG-06	100	70	35	15	23.5	67
SBG-10	127	82.6	41.3	22.2	20.5	89

Model	G	H	I	J	K	L
SBG-03	165	107	26.5	23	134	106
SBG-06	167	124	23.5	26	136	108
SBG-10	185	155	20.5	36	145	120

SOLENOID CONTROLLED PILOT OPERATED RELIEF VALVE



A

How to order

BS G - 06 - H - 2B2 - A22

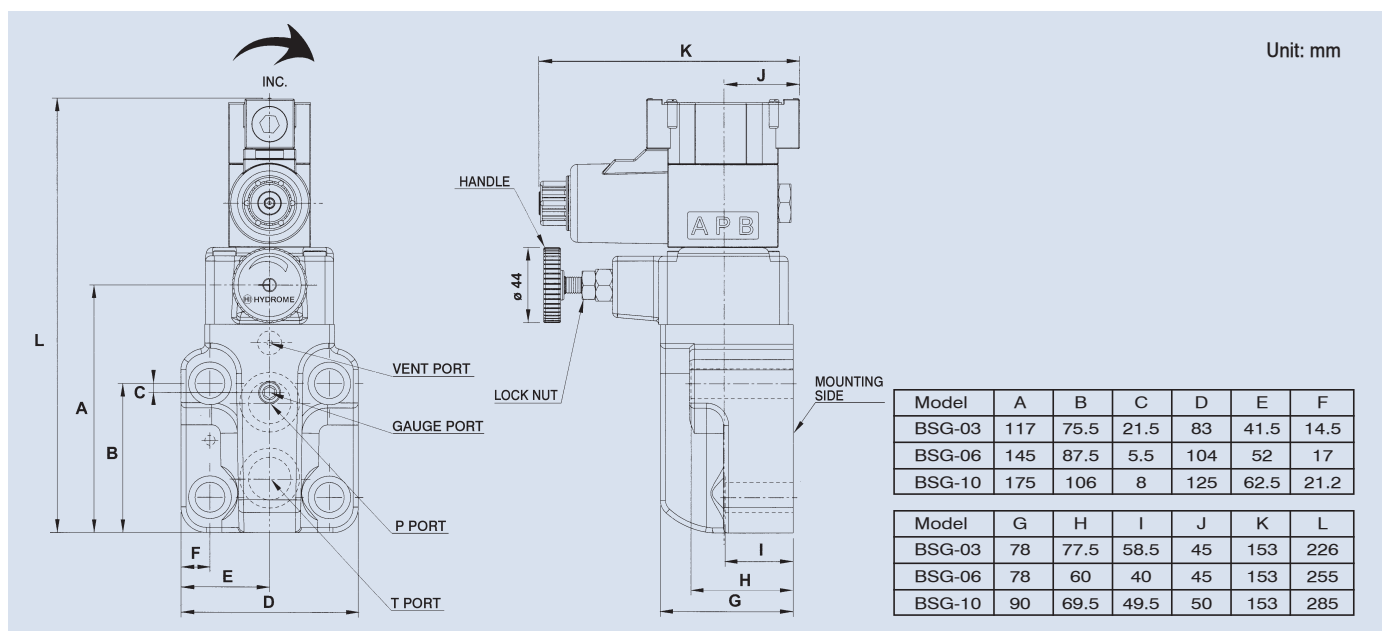
1 2 3 4 5 6

1	Model
2	Mounting type G: Sub-plate mounting
3	Valve size 03: 3/8" 06: 3/4" 10: 1-1/4"
4	Pressure adjusting range B: 5~70 bar C: 10~140 bar H: 35~230 bar 2H: 140~320 bar
5	Vent type
6	Voltage A11: AC110V (50/60HZ) A22: AC220V (50/60HZ) A24: AC240V (50HZ) A38: AC380V (50HZ) D1: DC12V D2: DC24V

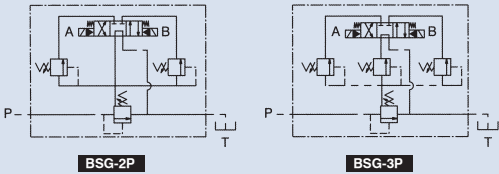
Specifications

Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)	Bolt Size
BSG-03	300	B: 5~70	100	5.6	M12 x 70L x 2pcs M12 x 90L x 2pcs
BSG-06		C: 10~140 H: 35~230	200	7	M16 x 55L x 2pcs M16 x 75L x 2pcs
BSG-10		2H: 140~320	400	10.8	M20 x 70L x 2pcs M20 x 90L x 2pcs

Dimensions



SOLENOID CONTROLLED PILOT OPERATED RELIEF VALVE



How to order

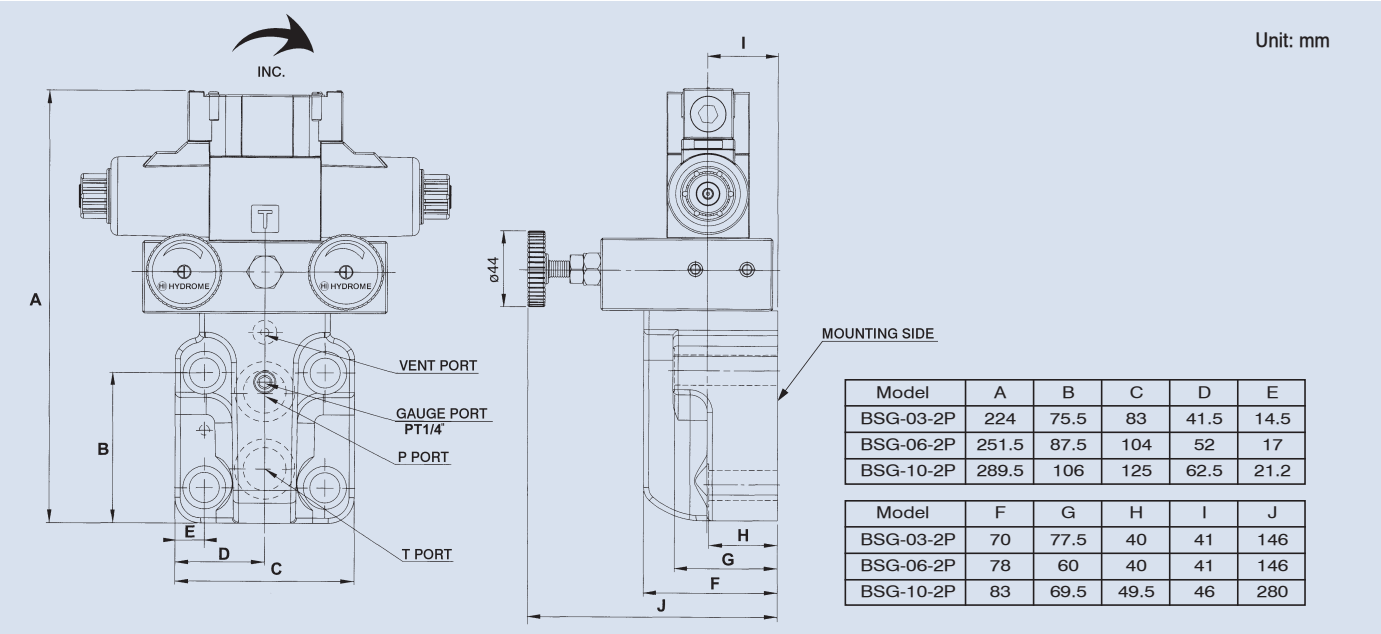
BS G - 06 - H - 2P - 3C60 - A22

1	2	3	4	5	6	7
1	Model					
2	Mounting type G: Sub-plate mounting					
3	Valve size 03: 3/8" 06: 3/4" 10: 1-1/4"					
4	Pressure adjusting range B: 5~70 bar C: 10~140 bar H: 35~230 bar 2H: 140~320 bar					
5	2P: Dual pressure adjusting ranges 3P: Three pressure adjusting ranges					
6	Vent type 3C3 3C60					
7	Voltage A11: AC110V (50/60HZ) A22: AC220V (50/60HZ) A24: AC240V (50HZ) A38: AC380V (50HZ) D1: DC12V D2: DC24V					

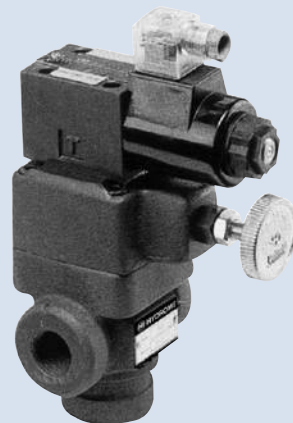
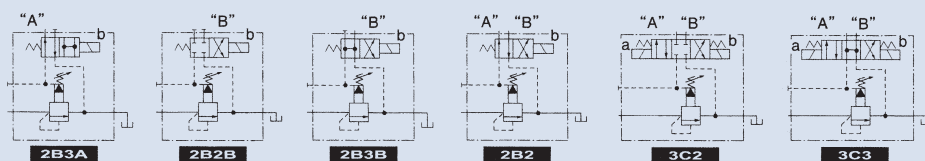
Specifications

Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)	Bolt Size
BSG-03	300	B: 5~70	100	7.5	M12 x 70L x 2pcs M12 x 90L x 2pcs
BSG-06		C: 10~140	200	8.7	M16 x 55L x 2pcs M16 x 75L x 2pcs
BSG-10		H: 35~230 2H: 140~320	400	12.5	M20 x 70L x 2pcs M20 x 90L x 2pcs

Dimensions



SOLENOID CONTROLLED PILOT OPERATED RELIEF VALVE



A

How to order

BS T - 06 - H - 2B2 - A22

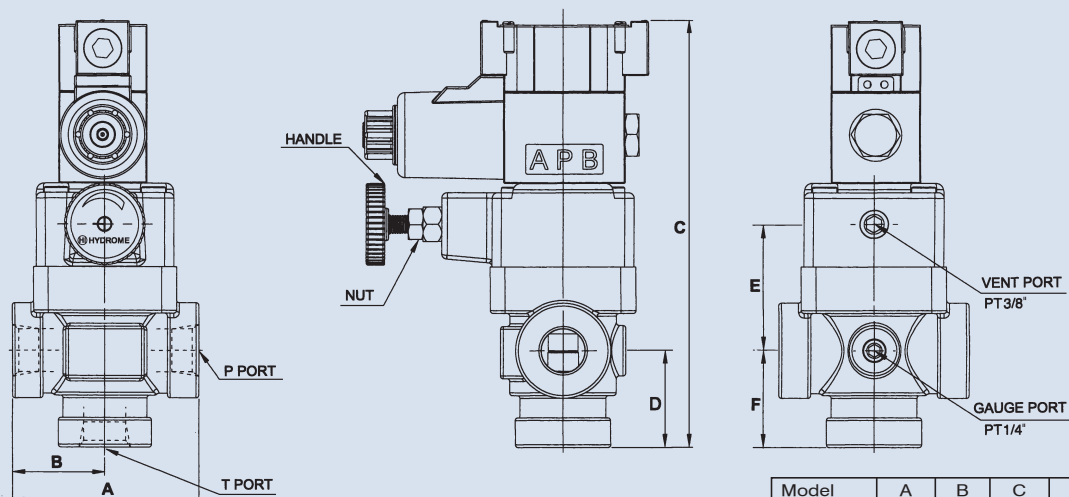
1 2 3 4 5 6

1	Model
2	Mounting type T: Thread connection
3	Valve size 03: 3/8" 04: 1/2" 06: 3/4" 10: 1-1/4"
4	Pressure adjusting range B: 5~70 bar C: 10~140 bar H: 35~230 bar 2H: 140~320 bar
5	Vent type
6	Voltage A11: AC110V (50/60HZ) A22: AC220V (50/60HZ) A24: AC240V (50HZ) A38: AC380V (50HZ) D1: DC12V D2: DC24V

Specifications

Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)
BST-03	300	B: 5~70	60	4.6
BST-04		C: 10~140	100	4.6
BST-06		H: 35~230	200	4.6
BST-10		2H: 140~320	400	9.4

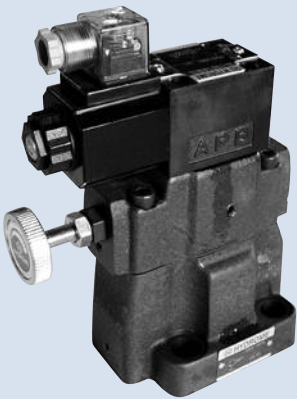
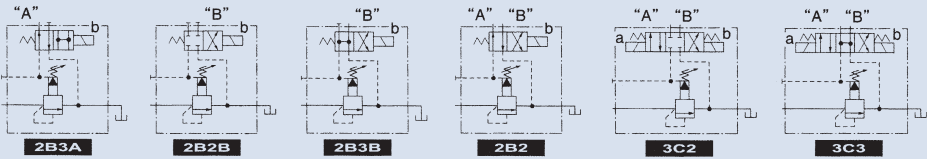
Dimensions



Unit: mm

Model	A	B	C	D	E	F
BST-03,04	102	51	230	52	68	52
BST-06	120	51	230	52	68	52
BST-10	140	70	284	84	86	82

SOLENOID CONTROLLED PILOT OPERATED RELIEF VALVE



How to order

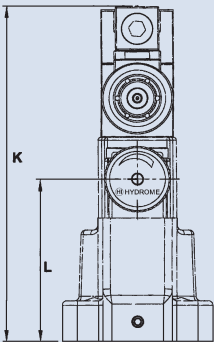
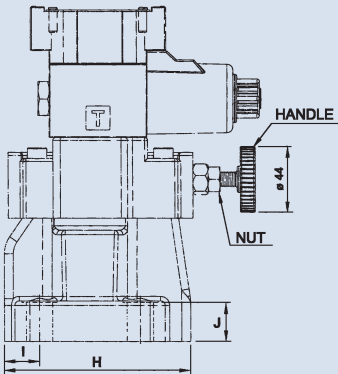
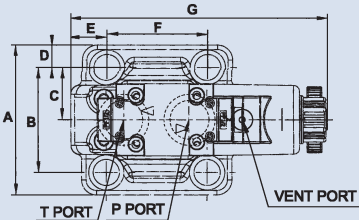
SBS G - 06 - H - 2B2 - A22

1	2	3	4	5	6
1	Model				
2	Mounting type G: Sub-plate mounting				
3	Valve size 03: 3/8" 06: 3/4" 10: 1-1/4"				
4	Pressure adjusting range B: 5~70 bar C: 10~140 bar H: 35~230 bar 2H: 140~320 bar				
5	Vent type				
6	Voltage A11: AC110V (50/60HZ) A22: AC220V (50/60HZ) A24: AC240V (50HZ) A38: AC380V (50HZ) D1: DC12V D2: DC24V				

Specifications

Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)	Bolt Size
SBSG-03	300	B: 5~70	100	5	M12 x 40L
SBSG-06		C: 10~140	200	6.2	M16 x 45L
SBSG-10		H: 35~230 2H: 140~320	400	9.5	M20 x 60L

Dimensions

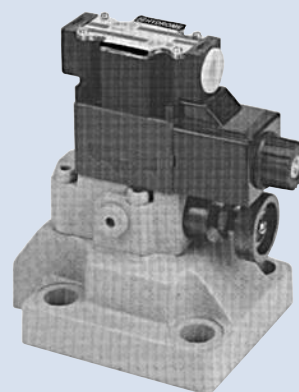
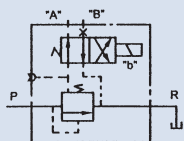


Model	A	B	C	D	E	F
SBSG-03	78	54	27	12	34.5	54
SBSG-06	100	70	35	15	23.5	67
SBSG-10	127	82.6	41.3	22.2	20.5	89

Model	G	H	I	J	K	L
SBSG-03	169	107	26.5	23	222	106
SBSG-06	171	124	23.5	26	224	108
SBSG-10	190	155	20.5	36	273	120

Unit: mm

SOLENOID CONTROLLED PILOT OPERATED RELIEF VALVE



A

How to order

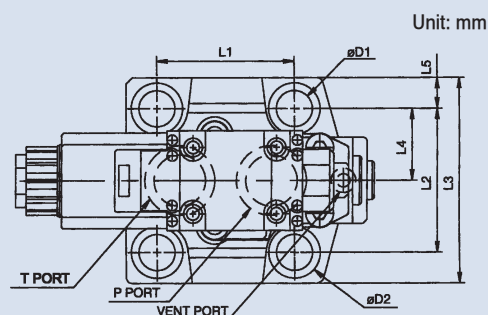
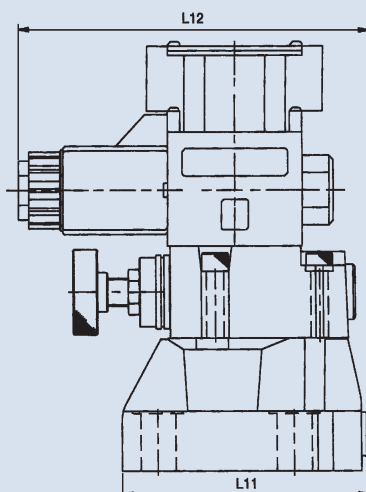
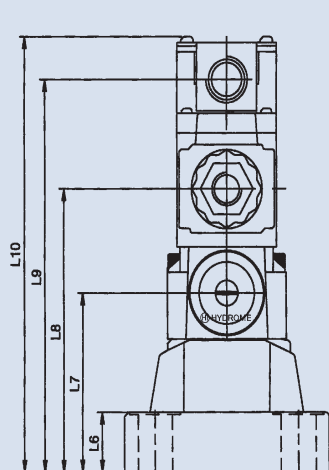
DBW - 10 - H - A22

	1	2	3	4
1	Model	Sub-plate mounting		
2	Valve size	10: 3/8"	20: 3/4"	30: 1-1/4"
3	Pressure adjusting range	B: 5~70 bar	C: 7~140 bar	H: 35~230 bar 2H: 140~330 bar
4	Voltage	A11: AC110V (50/60HZ)	A22: AC220V (50/60HZ)	A24: AC240V (50HZ) A38: AC380V (50HZ) D1: DC12V D2: DC24V

Specifications

Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)	Bolt Size
DBW-10	350	B: 5~70	150	3.5	M12 x 40L
DBW-20		C: 7~140	250	4.5	M16 x 45L
DBW-30		H: 35~230 2H: 140~330	500	6	M20 x 60L

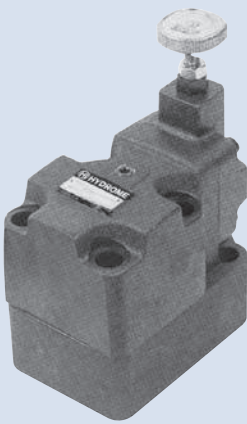
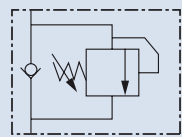
Dimensions



Model	L1	L2	L3	L4	L5	L6	L7
DBW-10	53.8	53.8	78	26.9	12	26	78
DBW-20	66.7	70	100	35	15	26	78
DBW-30	88.9	82.6	114	41.3	15.7	26	78

Model	L8	L9	L10	L11	L12	D1	D2
DBW-10	123	171	190	96	164	13	20
DBW-20	123	171	190	120.5	171	17.5	25
DBW-30	123	171	190	151	183	21.5	30

BACK PRESSURE CONTROL VALVE



How to order

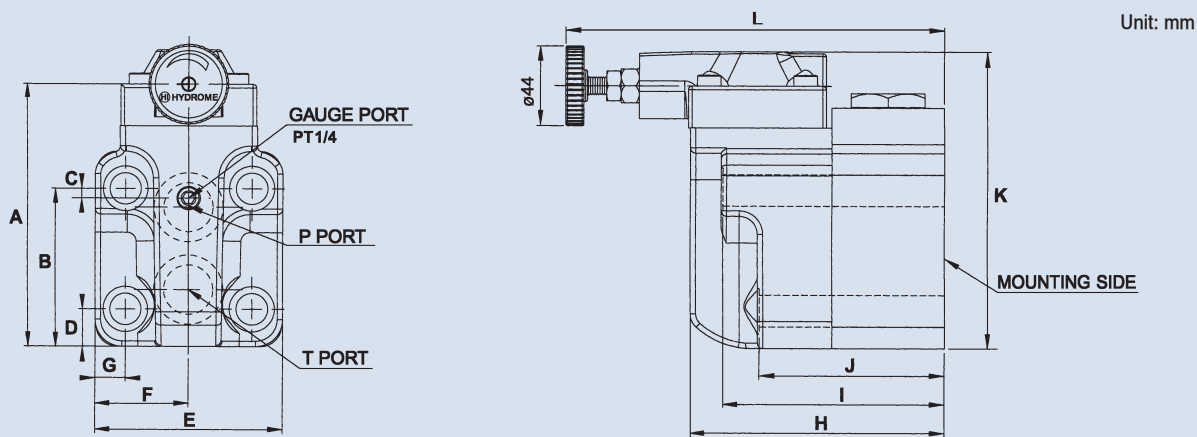
BR - 06 - B

1	2	3
1	Model	
2	Valve size 03: 3/8" 06: 3/4" 10: 1-1/4"	
3	Pressure adjusting range B: 5~70 bar C: 10~140 bar	

Specifications

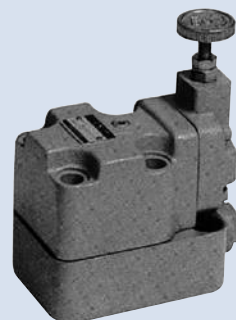
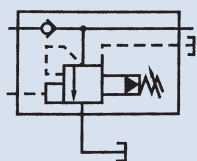
Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)	Bolt Size
BR-03	250	B: 5~70 C: 10~140	100	7.5	M12 x 110L x 2pcs M12 x 130L x 2pcs
BR-06			200	11	M16 x 120L x 2pcs M16 x 140L x 2pcs
BR-10			400	19	M20 x 140L x 2pcs M20 x 160L x 2pcs

Dimensions



Model	A	B	C	D	E	F	G	H	I	J	K	L
BR-03	120.5	79.5	22	25.7	83	41.5	14.6	117	116.5	97.5	139.5	190.3
BR-06	148	86	1	19.3	104	52	17	118	97	87	167	186.4
BR-10	181	112.7	8	23.8	125	62.5	21.2	163	142.5	122.5	201.7	230

UNLOADING RELIEF VALVE



A

How to order

BUC G - 06 - H

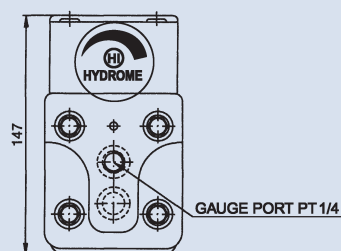
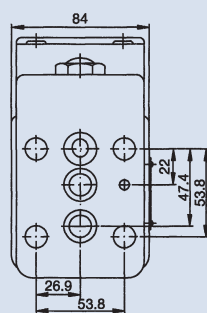
1	2	3	4
1	Model		
2	Mounting type	G: Sub-plate mounting	
3	Valve size	03: 3/8" 06: 3/4" 10: 1-1/4"	
4	Pressure adjusting range	B: 5~70 bar C: 10~140 bar H: 35~230 bar	

Specifications

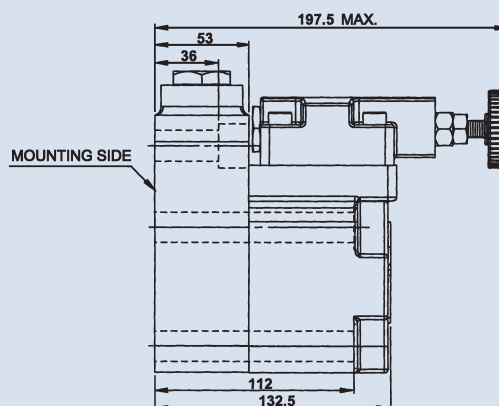
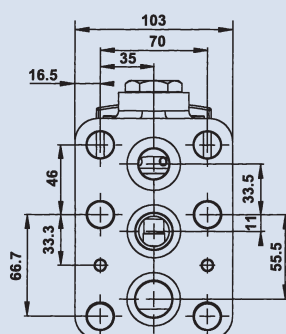
Model	Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)
BUCG-03	250	B: 5~70	90	8.5
BUCG-06		C: 10~140	200	12.5
BUCG-10		H: 35~230	400	19.5

Dimensions

BUCG-03



BUCG-06

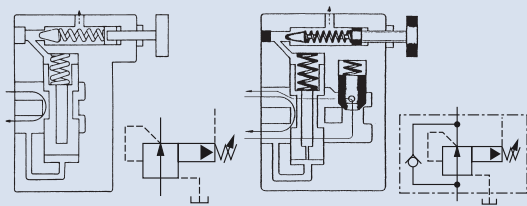


Unit: mm

PRESSURE REDUCING VALVE

FEATURES:

- Pressure reducing valve is used in a branch of circuitry where a constant reduced pressure than the main relief setting is required. It can also be remote controlled by connecting from its remote control port(RC).
- Pressure reducing valve when combined with a built-in check valve, the free reverse flow can be accomplished. Pressure reducing valve without built-in check valve can be used in P line of a circuit. With a built-in check valve, it can be used in either A or B line of an actuator.



How to order

RC G - 03 - B

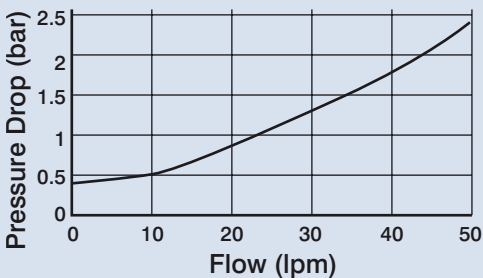
1	2	3	4
1	Model	R: Pressure reducing valve RC: Pressure reducing with check valve	
2	Mounting type	G: Sub-plate mounting T: Thread connection	
3	Valve size	03: 3/8" 06: 3/4" 10: 1-1/4"	
4	Pressure adjusting range	B: 5~70 bar C: 10~140 bar H: 35~230 bar	

Specifications

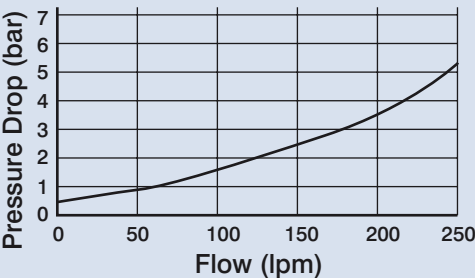
Model		Max. Operating Pressure (bar)	Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)		Bolt Size
Sub-Plate Mounting	Thread Connection				RG, RCG	RT, RCT	
RG-03 / RCG-03	RT-03,04 / RCT-03,04	250	B: 5~70	50	4.6 / 5.5	4.2 / 4.5	M10 x 55L x 4pcs M10 x 70L x 4pcs
RG-06 / RCG-06	RT-06 / RCT-06		C: 10~140	125	7.2 / 8.2	7.4 / 7.8	M10 x 55L x 4pcs M10 x 80L x 4pcs
RG-10 / RCG-10	RT-10 / RCT-10		H: 35~230	250	12 / 14.8	12 / 16.4	M10 x 55L x 6pcs M10 x 95L x 6pcs

Performance curves

RG-03, RCG-03, RT-03, RCT-03

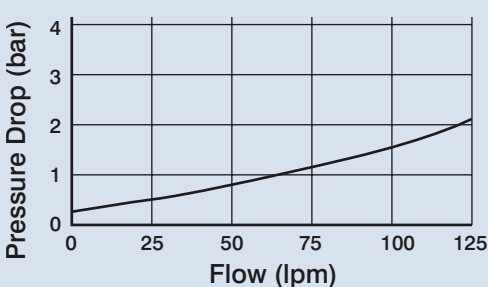


RG-10, RCG-10, RT-10, RCT-10



Unit: mm

RG-06, RCG-06, RT-06, RCT-06

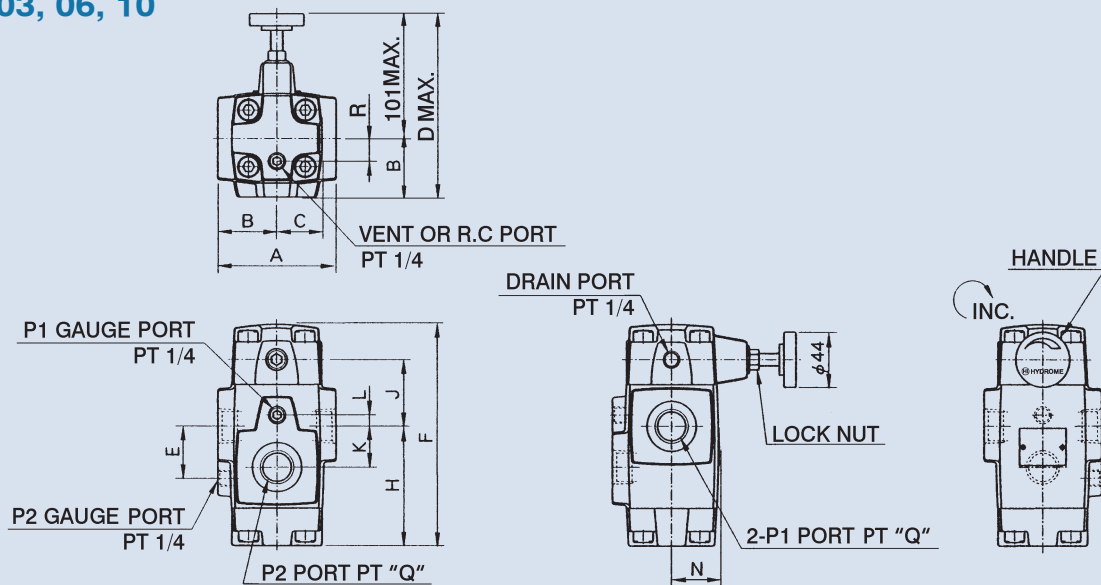


PRESSURE REDUCING VALVE

Dimensions

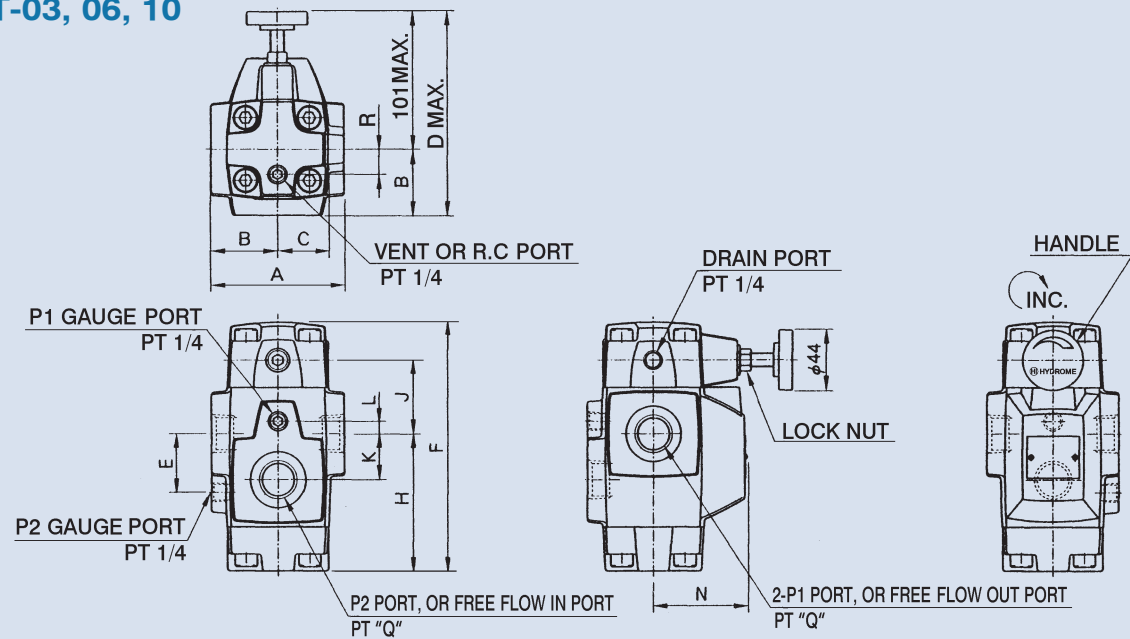
RT-03, 06, 10

Unit: mm



Model	A	B	C	D	E	F	H	J	K	L	N	Q	R
RT-03	82	41	33	148	28	155	85	48	28		32	3/8	10
RT-06	96	48	36.5	149	42	179	97.5	53.5	33	9	39	3/4	18.5
RT-10	132	66	43	167	52	216	124	64	40	12	46	1-1/4	18.5

RCT-03, 06, 10



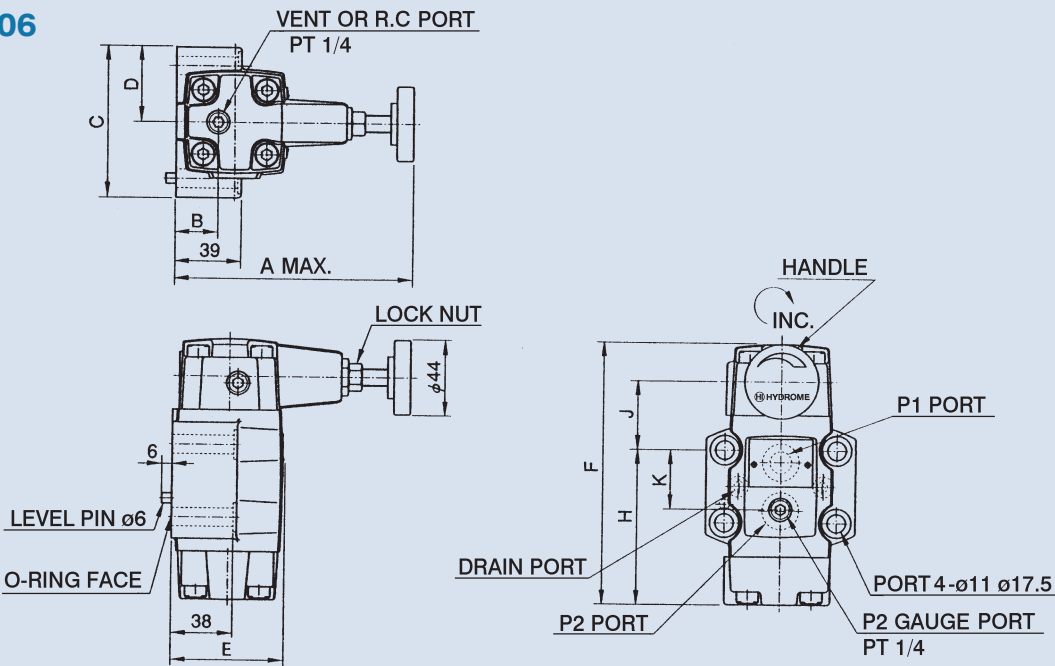
Model	A	B	C	D	E	F	H	J	K	L	N	Q	R
RCT-03	82	41	30	148	28	155	85	48	28		55	3/8	10
RCT-06	96	48	36.5	149	42	179	97.5	53.5	33	9	68	3/4	18.5
RCT-10	132	66	43	167	52	216	124	64	40	12	86	1-1/4	18.5

PRESSURE REDUCING VALVE

Dimensions

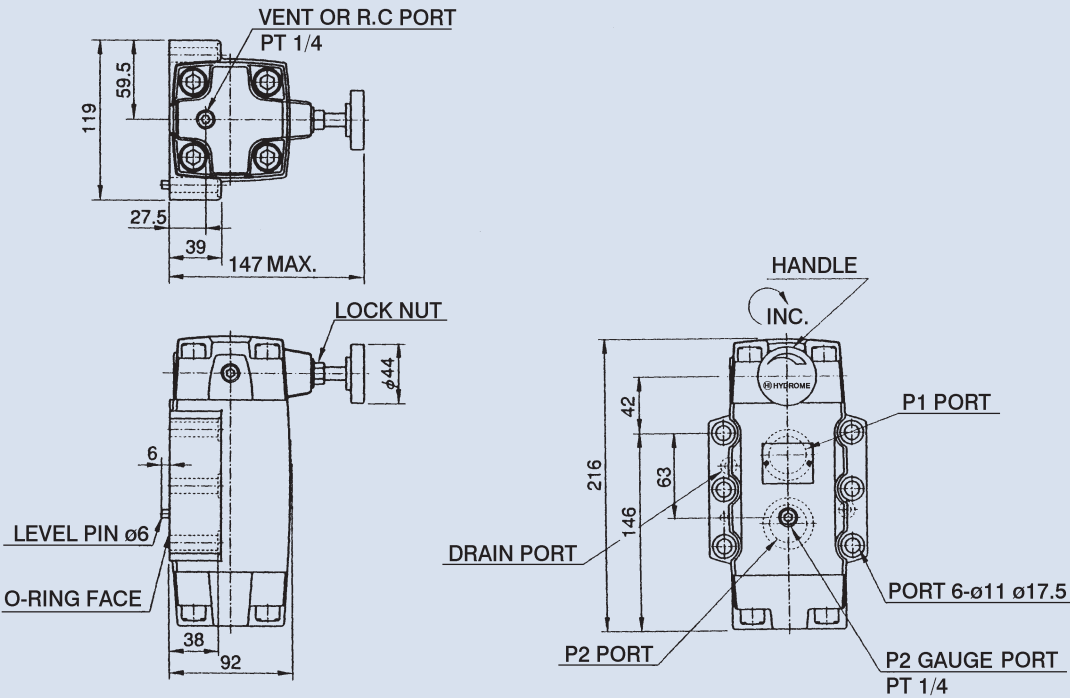
RG-03, 06

Unit: mm



Model	A	B	C	D	E	F	H	J	K
RG-03	142	25	89	44.5	67	155.5	92.4	40.6	34.9
RG-06	141	21.5	102	51	79	179	111	40	48

RG-10

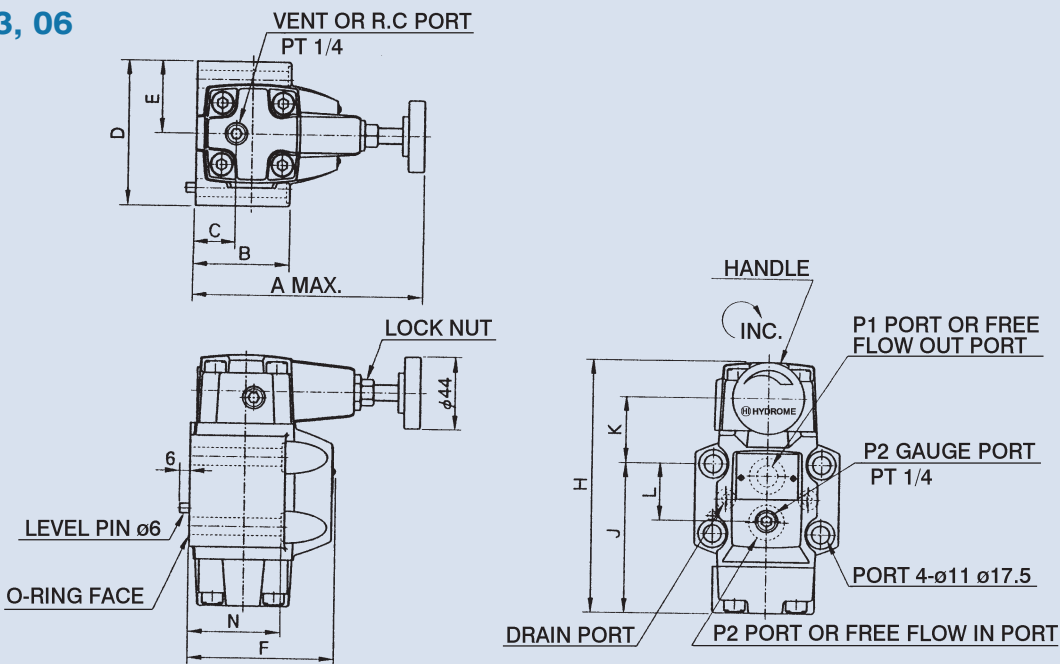


PRESSURE REDUCING VALVE

Dimensions

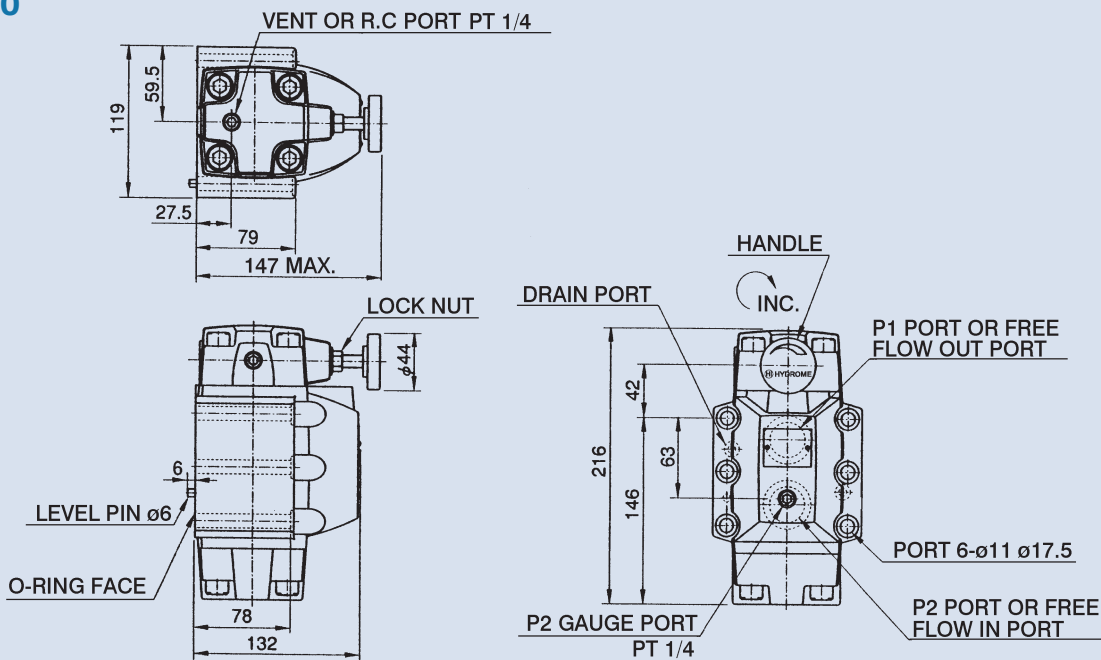
RCG-03, 06

Unit: mm



Model	A	B	C	D	E	F	H	J	K	L	N
RCG-03	142	59	25	89	44.5	90	155	92.4	40.6	34.9	58
RCG-06	141	69	21.5	102	51	108	179	111	40	48	68

RCG-10



SEQUENCE VALVE AND COUNTERBALANCE VALVE

FEATURES:

- HG series is the direct acting type pressure control valve which uses either internal or external pilot pressure to make the valve operate. By the different way of assembly, the valve can be functioned as low pressure relief valve, sequence valve, or unloading valve.
- HCG series valve is HG valve with a check valve built-in, so that free revers flow can be accomplished. The valve can then be served as sequence valve or counterbalance valve. HCG valve can use either internal pilot, or external pilot. When it is used as sequence valve, it should be externally drained; and if used as counterbalance valve, it should be internally drained.
- Remarks: NPT ports for HCT series can be made by special order.



How to order

H C G - 03 - B - 4

1 2 3 4 5 6

1	Model
2	C: With check
3	Mounting type G: Sub-plate mounting T: Thread connection
4	Valve size
5	Pressure adjusting range
6	Valve type

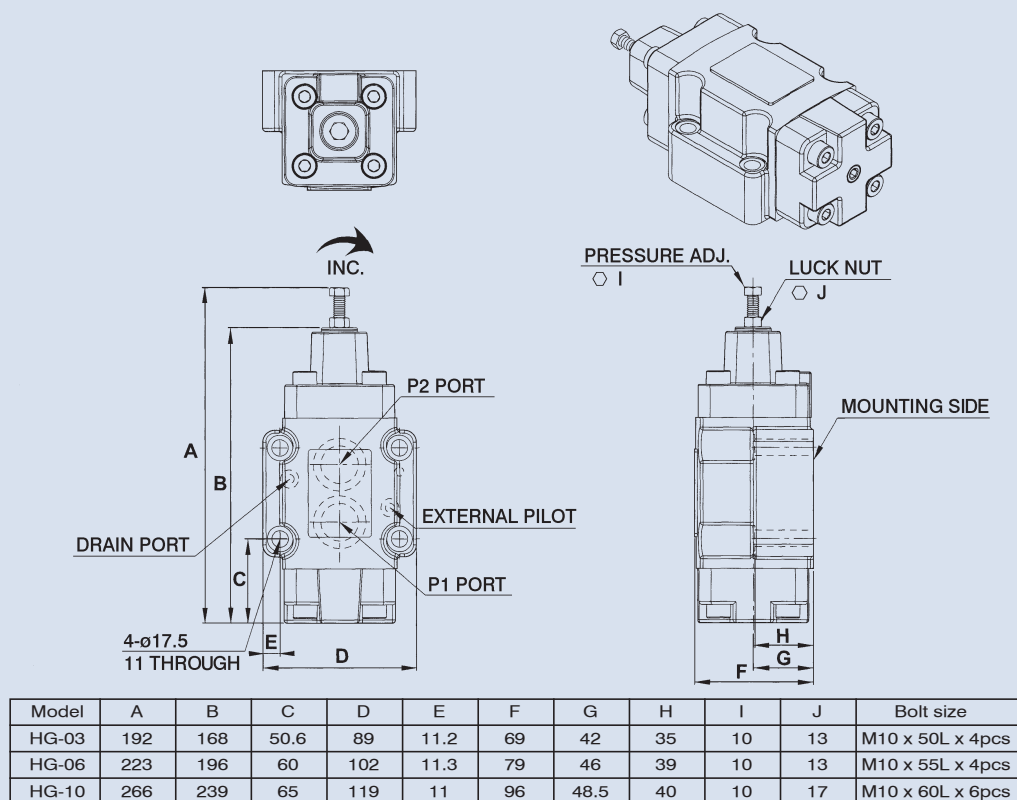
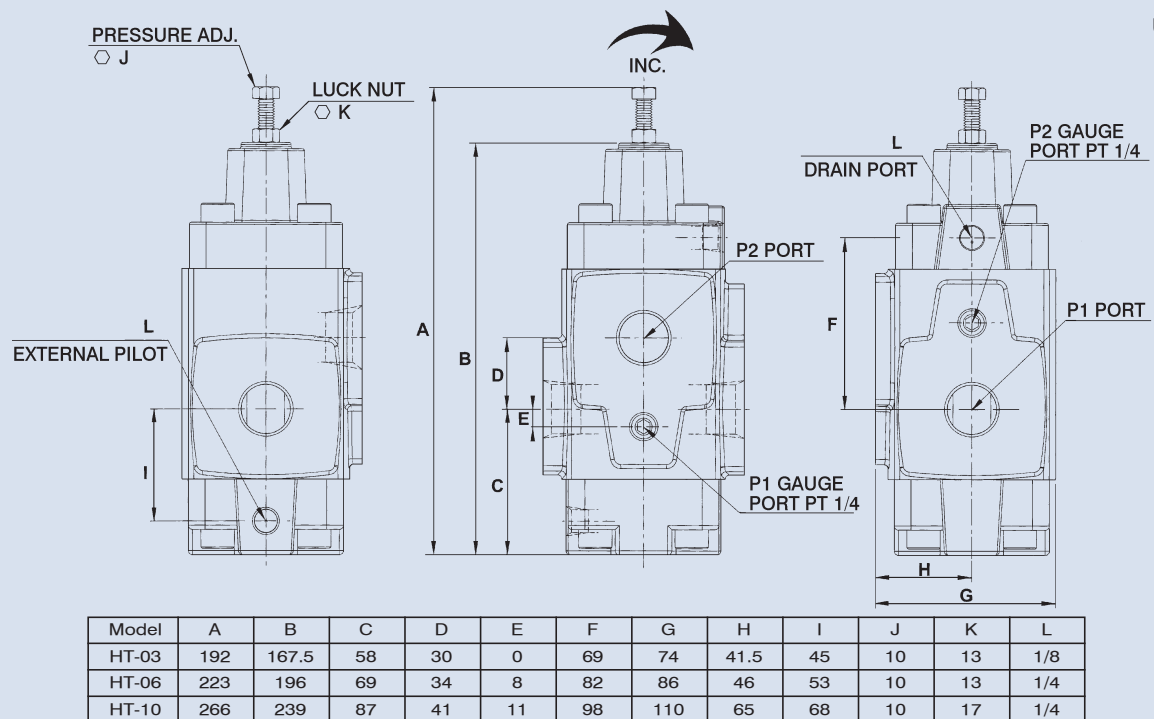
Specifications

Model		Pressure Adj. Range (bar)	Max. Flow (lpm)	Weight (kg)	
Sub-Plate Mounting	Thread Connection			HG, HCG	HT, HCT
HG-03 / HCG-03	HT-03 / HCT-03	A: 18~35 B: 35~70 C: 70~140 H: 140~210	60	4 / 5	3.7 / 4.1
HG-06 / HCG-06	HT-06 / HCT-06		130	6.1 / 7.4	6.2 / 7.1
HG-10 / HCG-10	HT-10 / HCT-10		250	11.0 / 13.8	12.0 / 13.8

Without check	The type of pilot, drain	Function drawing	Symbol	With check	The type of pilot, drain	Function drawing	Symbol
1.Low pressure relief	Internal pilot internal drain			1.Counter balance valve	Internal pilot internal drain		
2.Sequence valve	Internal pilot external drain			2.Sequence & check valve	Internal pilot external drain		
3.Sequence valve	External pilot external drain			3.Sequence & check valve	External pilot external drain		
4.Unloading relief	External pilot internal drain			4.Counter balance valve	External pilot internal drain		

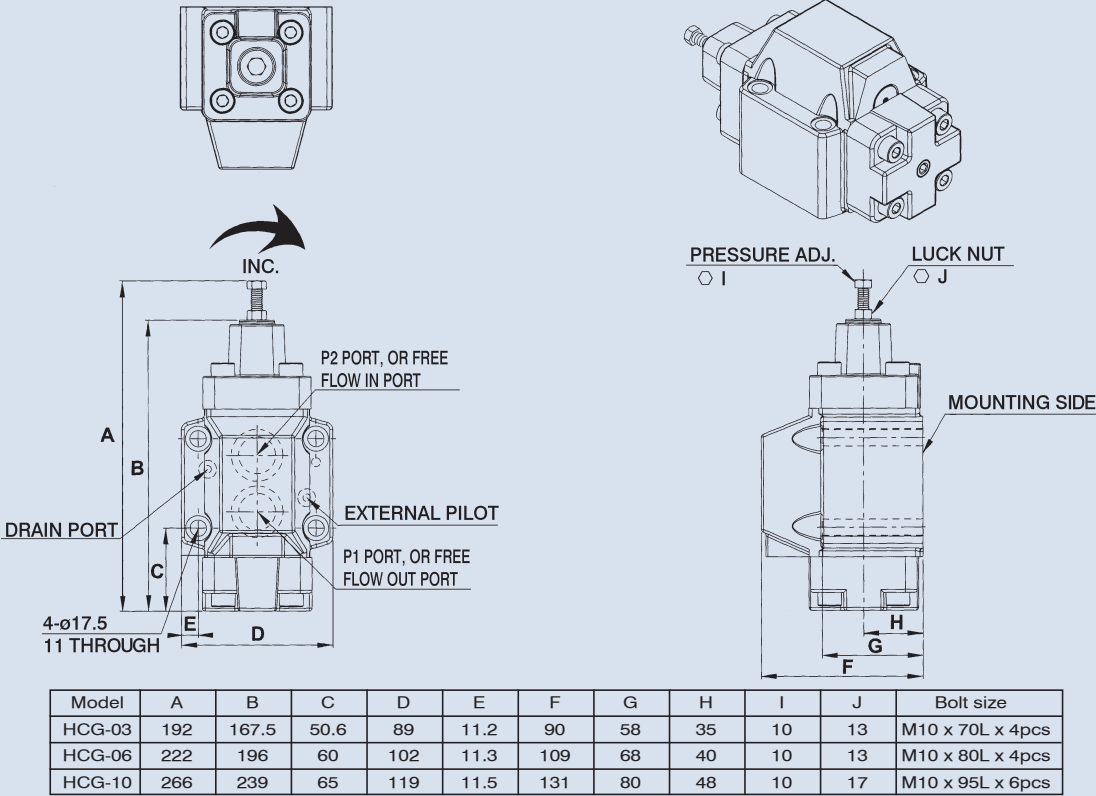
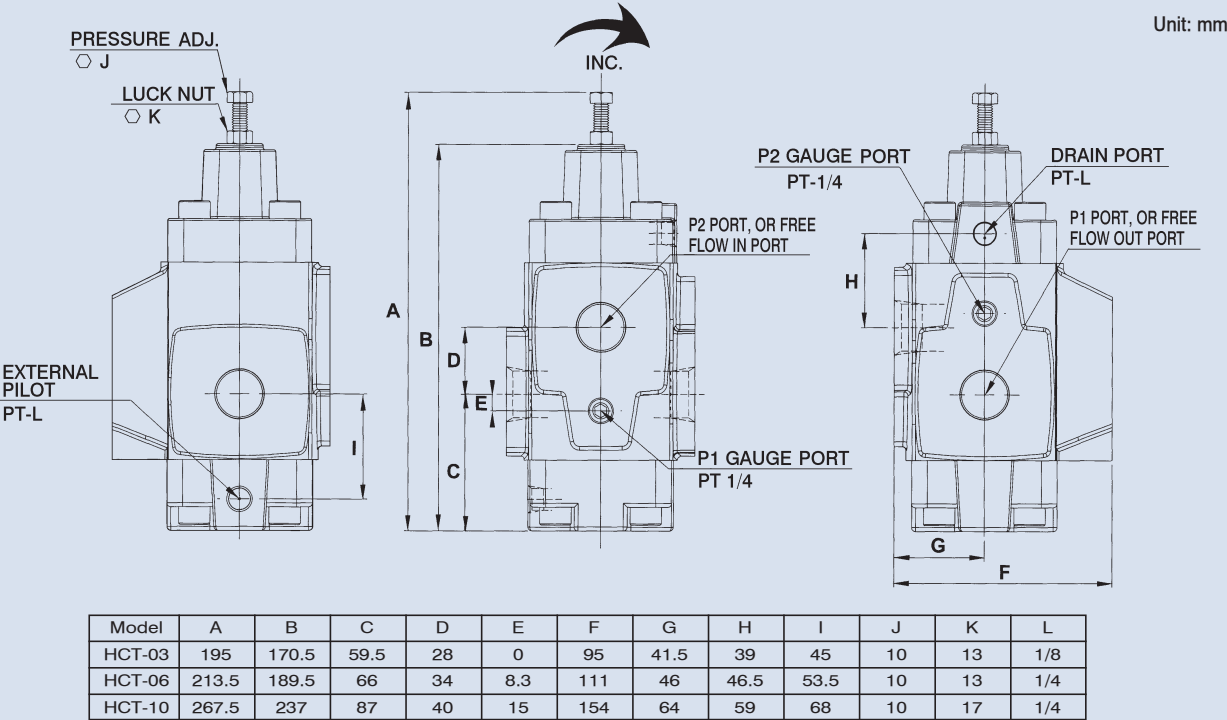
SEQUENCE VALVE AND COUNTERBALANCE VALVE

Dimensions



SEQUENCE VALVE AND COUNTERBALANCE VALVE

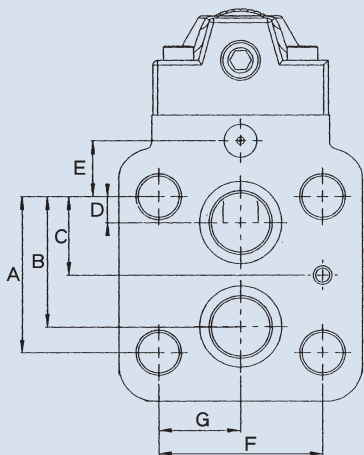
Dimensions



SUBPLATE FOR VALVES BG, DB, SBG, BR, RCG, HCG, CPDG

Dimensions

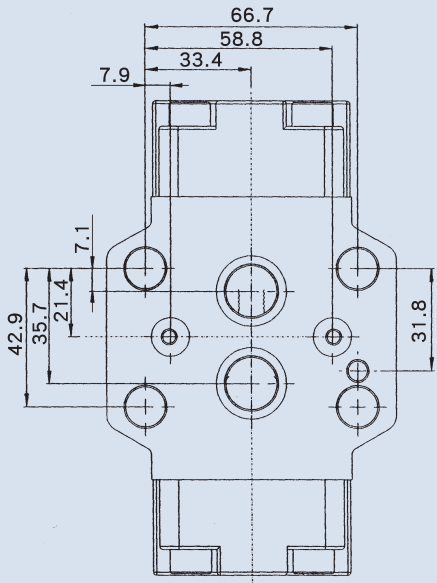
BGM, DBM, SBGM, BRM



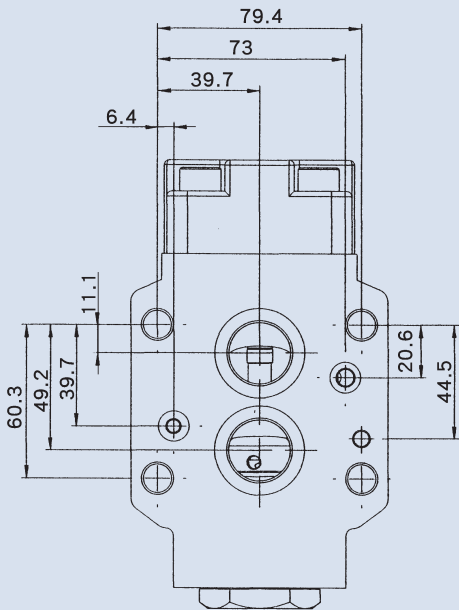
Port size	A	B	C	D	E	F	G
03	53.8	47.4	22	22	0	53.8	26.9
06	66.7	55.5	33.4	11	23.8	70	35
10	88.9	76.2	44.5	12.7	31.8	82.6	41.3

RGM-03, RCGM-03, HGM-03, HCGM-03, CPDGM-03

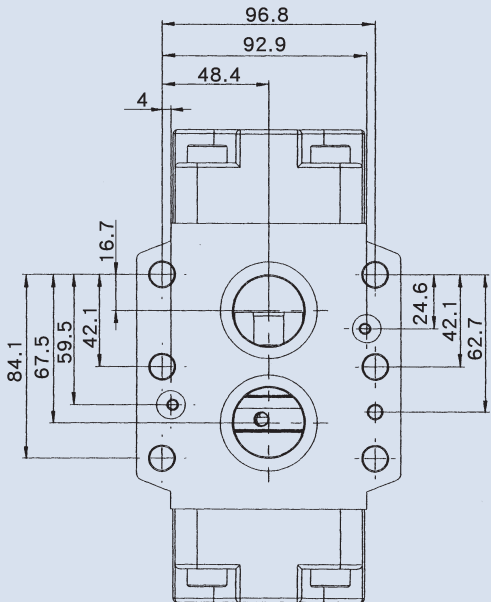
Unit: mm



RGM-06, RCGM-06, HGM-06, HCGM-06, CPDGM-06



RGM-10, RCGM-10, HGM-10, HCGM-10, CPDGM-10





MEXICO BRANCH OFFICE

Roberto Diaz No. 401
Ciudad Industrial
Aguascalientes, Ags.
México
20290

4ManPro@4ManPro.com
(449) 171 3420
www.4ManPro.com/SPA/

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USA BRANCH OFFICE

4ManPro®
708 Main St.
10th Floor
Houston, Tx, USA
77002

4ManPro-USA@4ManPro.com
+1 (832) 871 5022
www.4ManPro.com/ENG/

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