

Hydraulic Control Valve

Pressure Control Valve
Flow Control Valve
Directional Control Valve
Pre-Fill Valve



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Hydraulic Control Valve

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DG, DT

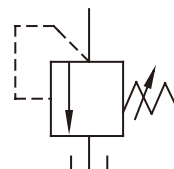


DG-01, DT-01



DG-02, DT-02

SYMBOLS



ORDER CODES

D	G	-	01	-	1	-	30
1	2		3		4		5

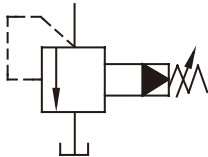
1	Model Name	D	
2	Mounting	G	sub-plate mounted
		T	threaded connection
3	Thread Connection	01	PT 1/8"
		02	PT 1/4"
4	Pressure Adj. Range	1	7~70 kgf/cm ²
		2	35~140 kgf/cm ²
		3	70~250 kgf/cm ²
5	Design Number	30	standard type
		31	DG-01 only has this type

MODEL SPEC.

Model		Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Rated Flow (l/min)	Weight (kg)	
Sub-Plate Mounting	Threaded Connection					
DG-01	DT-01	250	1: 7~70 2: 35~140 3: 70~250	2	1.5	1.6
DG-02	DT-02			16	1.5	1.6

RV-T

SYMBOLS



ORDER CODES

RV - T 06 - 3 - 30

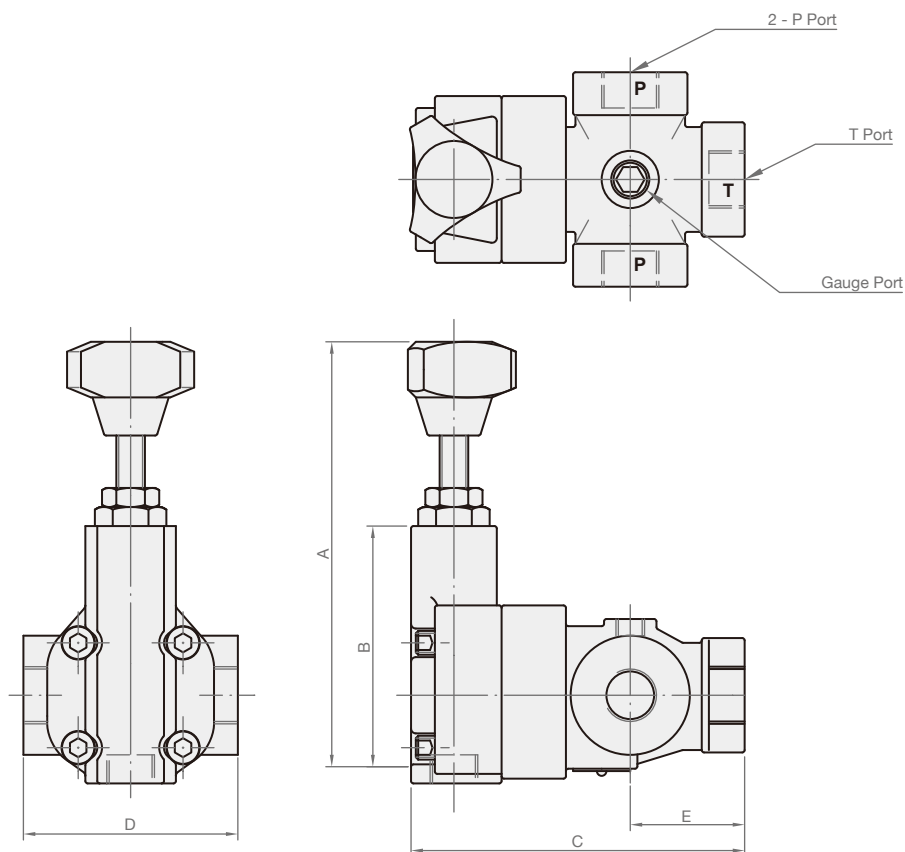
1 2 3 4 5

1	Model Name	RV	
2	Mounting	T	threaded connection
3	Thread Connection	04	PT 1/2"
		06	PT 3/4"
		10	PT 1 1/4"
4	Pressure Adj. Range	1	7~70 kgf/cm ²
		2	35~140 kgf/cm ²
		3	70~250 kgf/cm ²
5	Design Number	30	standard type
		31	adjust directly type

MODEL SPEC.

Model	Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Max. Flow (l/min)	Weight (kg)
RV-T04	250	1: 7~70 2: 35~140 3: 70~250	80	2.7
RV-T06			200	4
RV-T10			400	9

► RV-T04, 06, 10

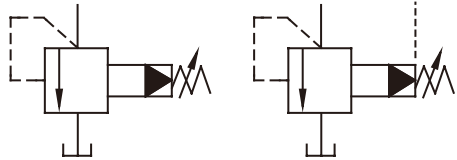


Model	A	B	C	D	E	P Port	T Port	Gauge Port
RV-T04	Max. 142	92	111	84.5	42	PT 1/2"	PT 1/2"	PT 1/4"
RV-T06	Max. 148	102	140	103	51	PT 3/4"	PT 3/4"	PT 1/4"
RV-T10	Max. 141	120	183	130	68	PT 1 1/4"	PT 1 1/4"	PT 1/4"

BG



SYMBOLS



ORDER CODES

B **G** - **06** - **3** - **30**

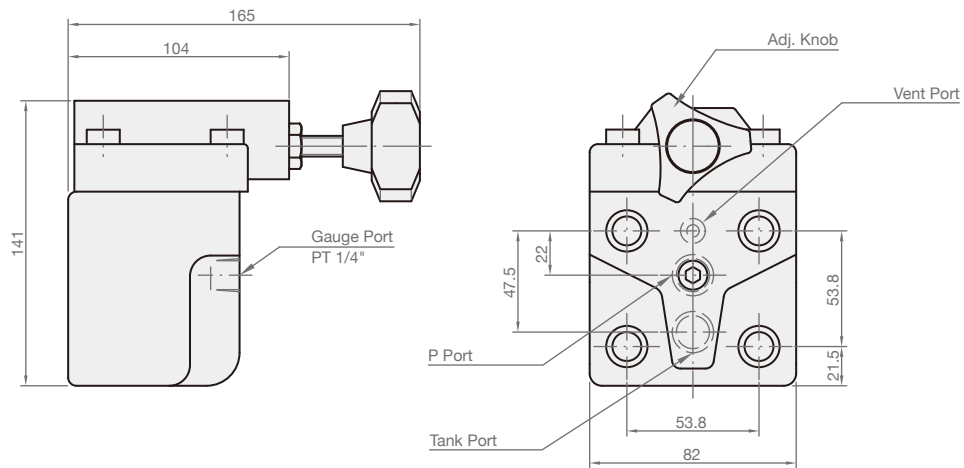
1 2 3 4 5

1	Model Name	B	
2	Mounting	G	sub-plate mounted
3	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4	Pressure Adj. Range	1	7~70 kgf/cm ²
		2	35~140 kgf/cm ²
		3	70~250 kgf/cm ²
5	Design Number	30	standard type
		31	adjust directly type

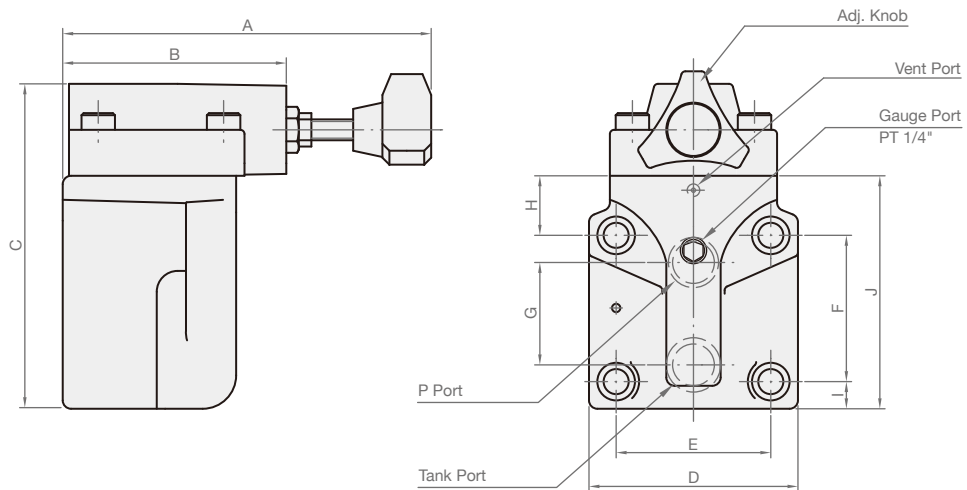
MODEL SPEC.

Model	Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Max. Flow (l/min)	Weight (kg)
BG-03	250	1: 7~70 2: 35~140 3: 70~250	100	5
BG-06			200	6.2
BG-10			400	12.5

► BG-03



► BG-06, 10



Model	A	B	C	D	E	F	G	H	I	J
BG-06	175	104	160	104	70	66.7	44.5	11	19.5	122
BG-10	184	120	195	125	82.6	88.9	63.6	12.7	18.5	150

BSG, BST-1P



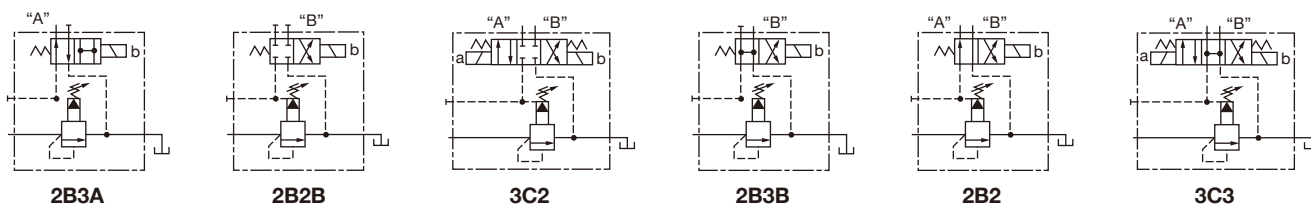
ORDER CODES

BS **G** - **03** - **1PN** - **3** - **30**

1 2 3 4 5 6

1 ▶	Model Name	BS	
2 ▶	Mounting	G	sub-plate mounted
		T	threaded connection
3 ▶	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4 ▶	Vent Type	1PN	normally vented
		1NP	energized to vent
5 ▶	Pressure Adj. Range	1	7~70 kgf/cm ²
		2	35~140 kgf/cm ²
		3	70~250 kgf/cm ²
6 ▶	Design Number	30	standard type
		31	adjust directly type

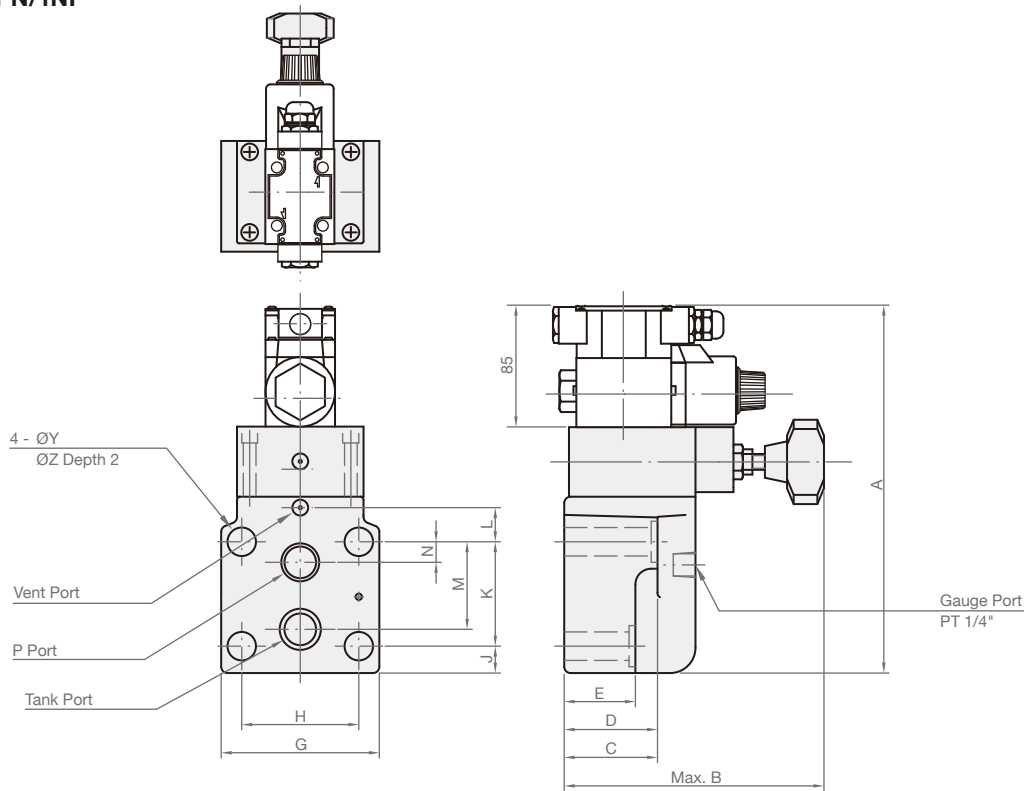
SYMBOLS



MODEL SPEC.

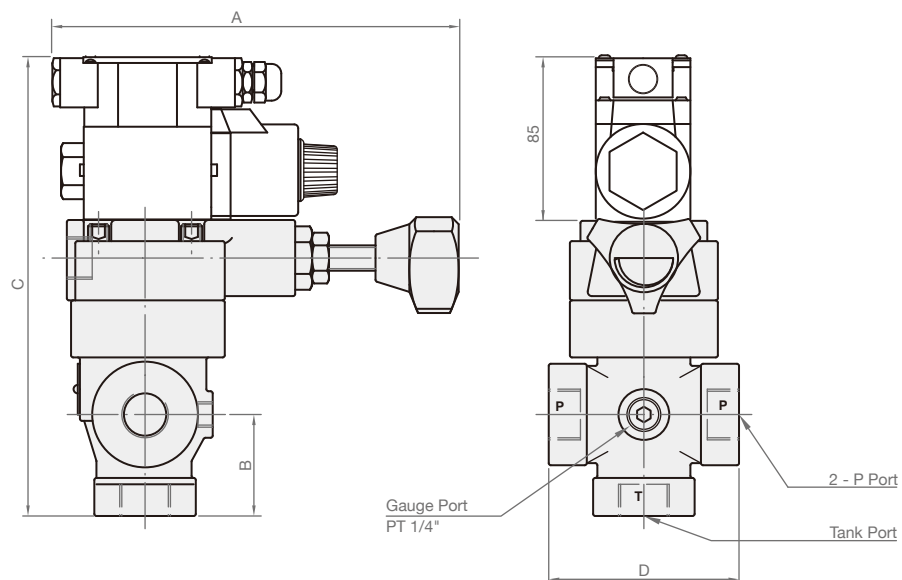
Model		Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Max. Flow (l/min)	Weight (kg)	
BSG-03		250	1: 7~70 2: 35~140 3: 70~250	100	5.6	
BSG-06	BST-06			200	7.1	4.8
BSG-10	BST-10			400	11.8	7.9

► BSG-03, 06, 10-1PN/1NP



Model	A	B	C	D	E	G	H	J	K	L	M	N	Y	Z
BSG-03	223	175	78	78	57	82	53.8	21.5	53.8	0	47.5	22	13.5	21
BSG-06	249	175	78	60	40	104	70	19	66.7	23.8	55.5	11	17.5	26
BSG-10	287	184	87.5	67	47	125	82.6	18.5	88.9	31.8	76.2	12.7	22	32

► BST-06, 10-1PN/1NP

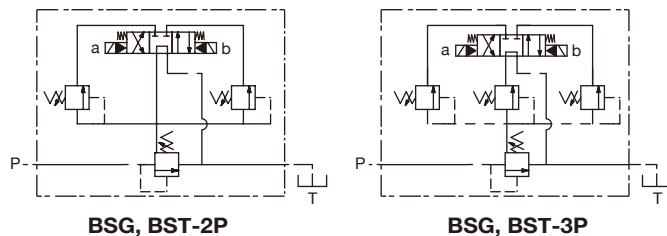


Model	A	B	C	D	P Port	T Port	G port
BST-06	Max. 175	51	229	103	PT 3/4"	PT 3/4"	PT 1/4"
BST-10	Max. 175	68	262	130	PT 1 1/4"	PT 1 1/4"	PT 1/4"

BSG, BST-2P, 3P



SYMBOLS



ORDER CODES

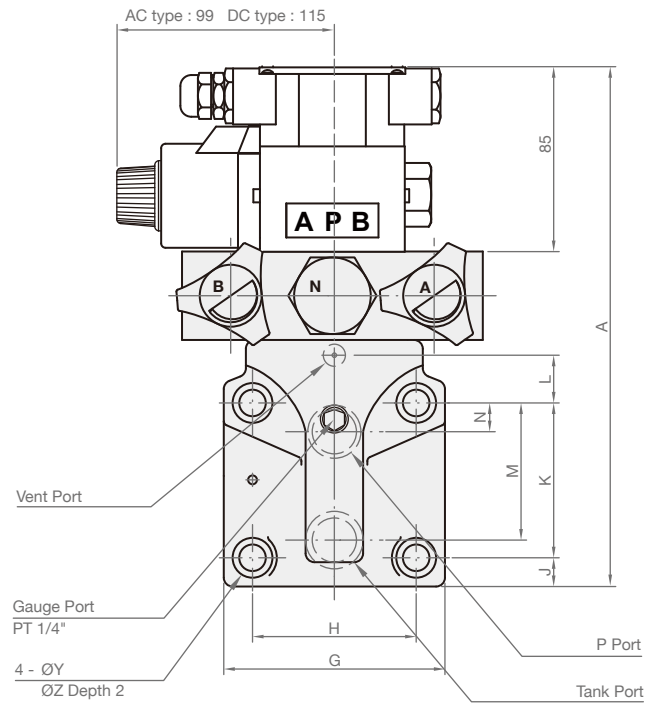
BS	G	- 03	- 2PN	- 2
1	2	3	4	5

1	Model Name	BS	
2	Mounting	G	sub-plate mounted
		T	threaded connection
3	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4	No. of Pressure Adj.	2P	double pressure adjustment
		2NP	double pressure adjustment and vent
		3P	triple pressure adjustment
5	Pressure Adj. Range	1	7~70 kgf/cm ²
		2	35~140 kgf/cm ²
		3	70~250 kgf/cm ²

MODEL SPEC.

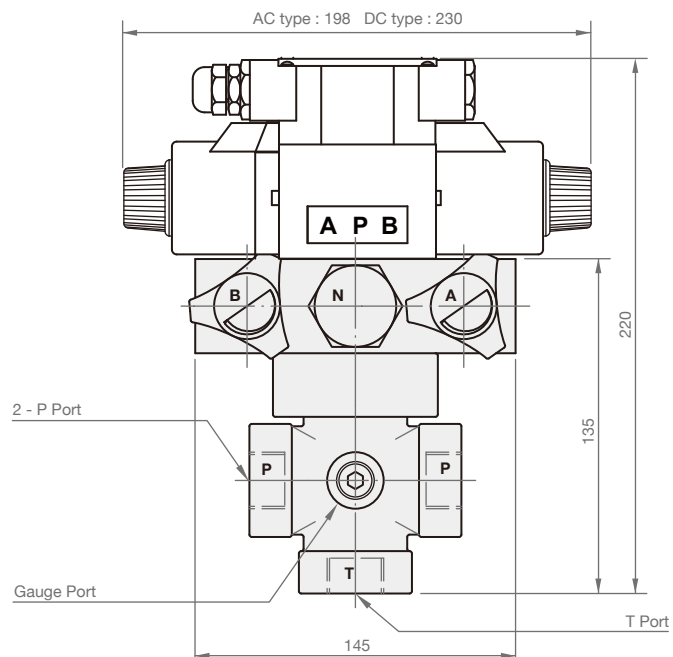
Model	Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Max. Flow (l/min)	Weight (kg)
BSG-03	250	1: 7~70 2: 35~140 3: 70~250	100	8
BSG-06 BST-06			200	9.1 7
BSG-10			400	14

► BSG-03, 06, 10-2P/2PN/3P



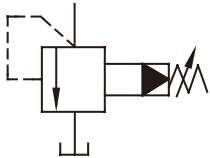
Model	A	G	H	J	K	L	M	N	Y	Z
BSG-03-2P BSG-03-2PN BSG-03-3P	215	82	53.8	21.5	53.8	0	47.5	22	13.5	21
BSG-06-2P BSG-06-2PN BSG-06-3P	243	104	70	19.5	66.7	23.8	55.5	11	17.5	26
BSG-10-2P BSG-10-2PN BSG-10-3P	279	125	82.6	18.5	88.9	31.8	76.2	12.7	21.5	32

► BST-06-2P/2PN/3P



SBG

SYMBOLS



ORDER CODES

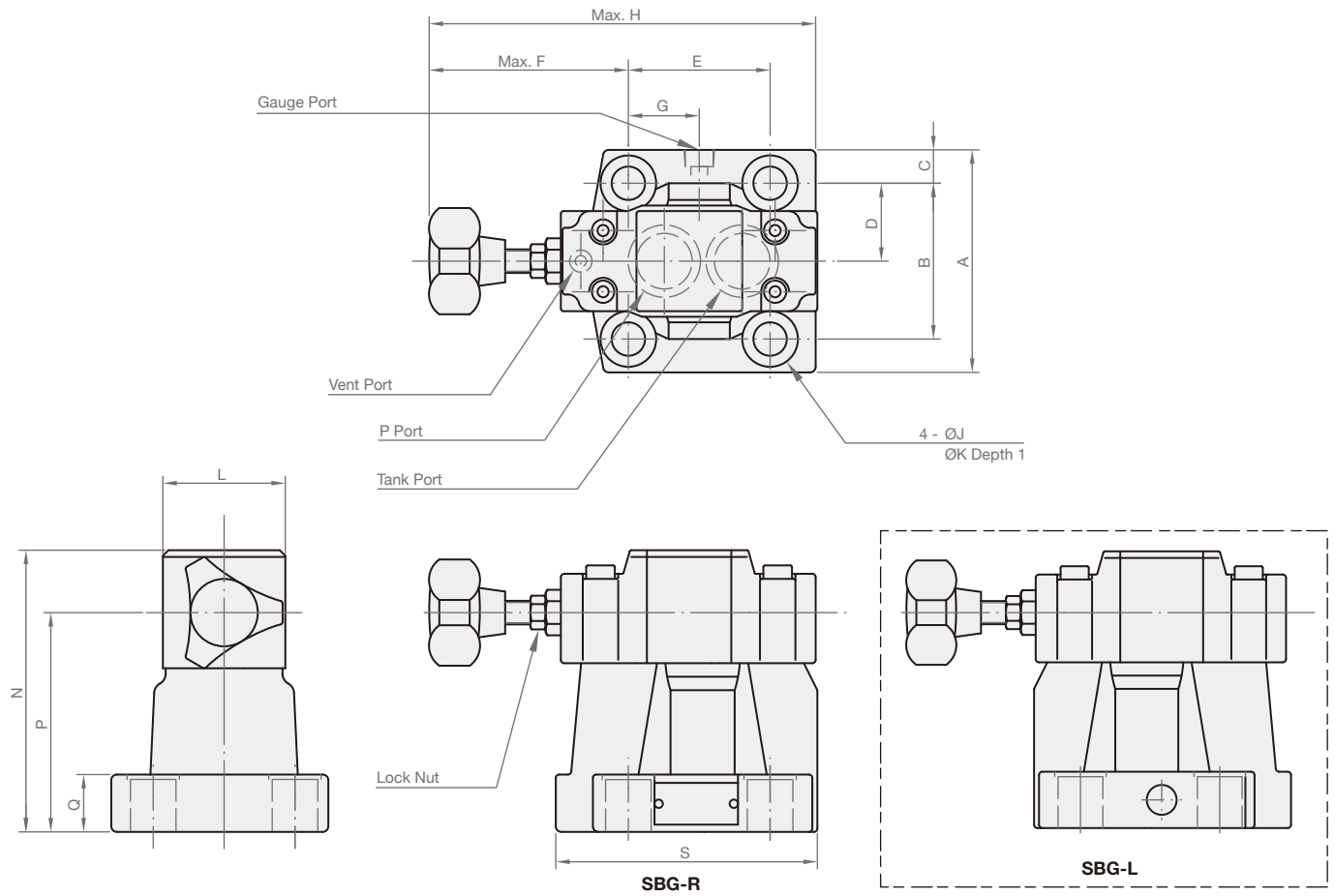
SB	G	- 06	- 3	- R	- 30
1	2	3	4	5	6

1	Model Name	SB	
2	Mounting	G	sub-plate mounted
3	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4	Pressure Adj. Range	1	7~70 kgf/cm ²
		2	35~140 kgf/cm ²
		3	70~250 kgf/cm ²
5	Knob Direction	R	right (P port side standard)
		L	left (T port side)
6	Design Number	30	standard type
		31	adjust directly type

MODEL SPEC.

Model	Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Max. Flow (l/min)	Weight (kg)
SBG-03	250	1: 7~70 2: 35~140 3: 70~250	100	5
SBG-06			200	6.2
SBG-10			400	11.3

► **SBG-R, L**



Model	A	B	C	D	E	F	G	H	J	K	L	N	P	Q	S
SBG-03	76	53.8	11.1	26.9	53.8	113.5	22	171	13.5	21	51	132	104	22	106
SBG-06	104	70	17	35	66.7	98.8	27	171	17.5	25	51	132	104	27	123
SBG-10	120	82.6	18.7	41.3	88.9	58.6	33.5	188	21.5	32	65	167	135	33.5	155

SBSG



SBSG-03



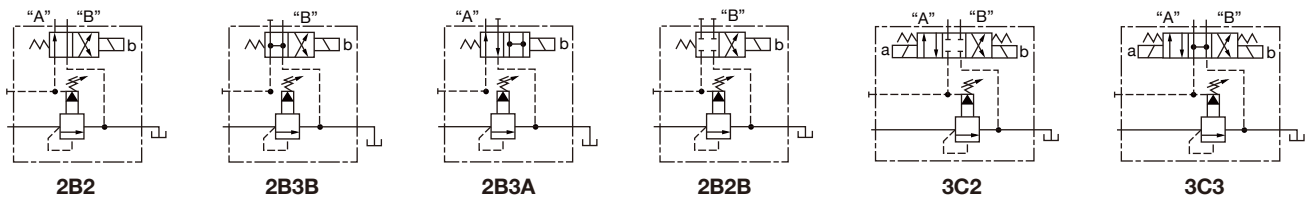
SBSG-06

ORDER CODES

SBS	G	- 03	- 1PN	- 3	- R	- 30
1	2	3	4	5	6	7

1 ▶	Model Name	SBS	
2 ▶	Mounting	G	sub-plate mounted
3 ▶	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4 ▶	Vent Type	1PN	normally vented
		1NP	energized to vent
5 ▶	Pressure Adj. Range	1	7~70 kgf/cm ²
		2	35~140 kgf/cm ²
		3	70~250 kgf/cm ²
6 ▶	Knob Direction	R	right (P port side standard)
		L	left (T port side)
7 ▶	Design Number	30	standard type
		31	adjust directly type

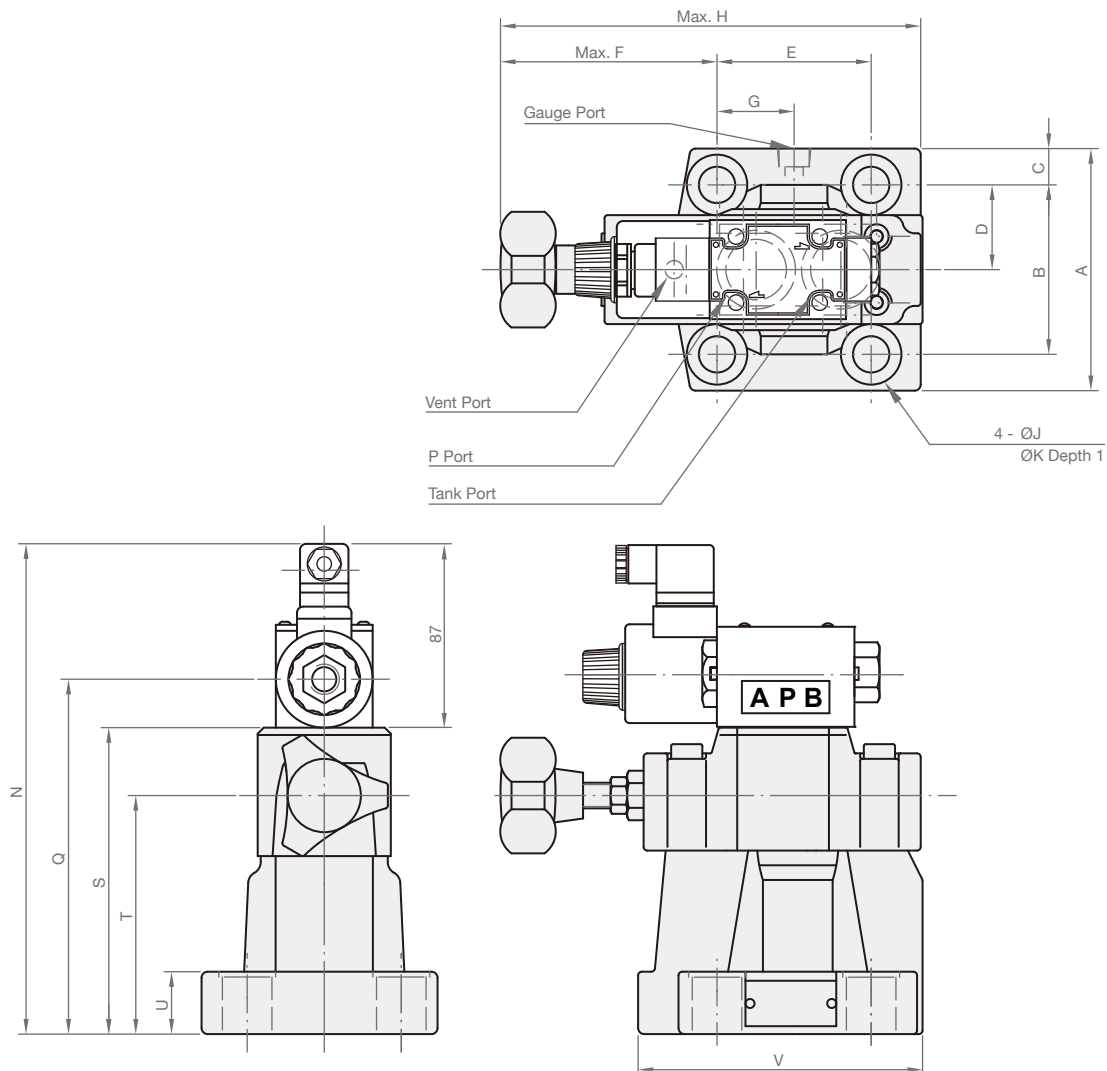
SYMBOLS



MODEL SPEC.

Model	Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Max. Flow (l/min)	Weight (kg)
SBSG-03	250	1: 7~70 2: 35~140 3: 70~250	100	5
SBSG-06			200	6.2
SBSG-10			400	11.3

► SBSG-R



Model	A	B	C	D	E	F	G	H	J	K	L	N	Q	S	T	U	V
SBSG-03	76	53.8	11.1	26.9	53.8	96	27	180	13.5	21	48	219	156	132	104	22	106
SBSG-06	104	70	17	35	66.7	98.8	33.7	180	17.5	25	48	219	156	132	104	27	123
SBSG-10	120	82.6	18.7	41.3	88.9	100	44.9	182	21.5	32	65	232	169	145	135	33.5	155

HG, HT



ORDER CODES

H **G** - **06** - **A** - **4**

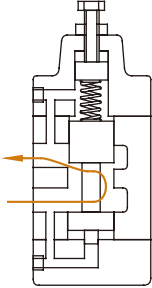
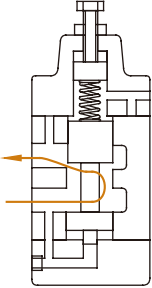
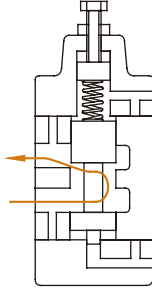
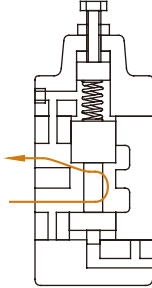
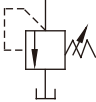
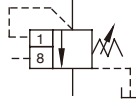
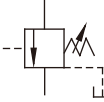
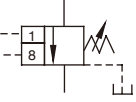
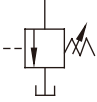
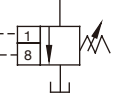
1 2 3 4 5

1	Model Name	H	
2	Mounting	G	sub-plate mounted
		T	threaded connection
3	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4	Pressure Adj. Range	A	18~35 kgf/cm ²
		B	35~70 kgf/cm ²
		C	70~140 kgf/cm ²
5	Drain Type	1	internal pilot and drain
		2	internal pilot and external drain
		3	external pilot and drain
		4	external pilot and internal drain

MODEL SPEC.

Model		Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Max. Flow (l/min)	Weight (kg)	
Sub-Plate Mounting	Threaded Connection					
HG-03	HT-03	210	A: 18~35 B: 35~70 C: 70~140	50	4	4
HG-06	HT-06			125	6.6	6.6
HG-10	HT-10			250	12	11.1

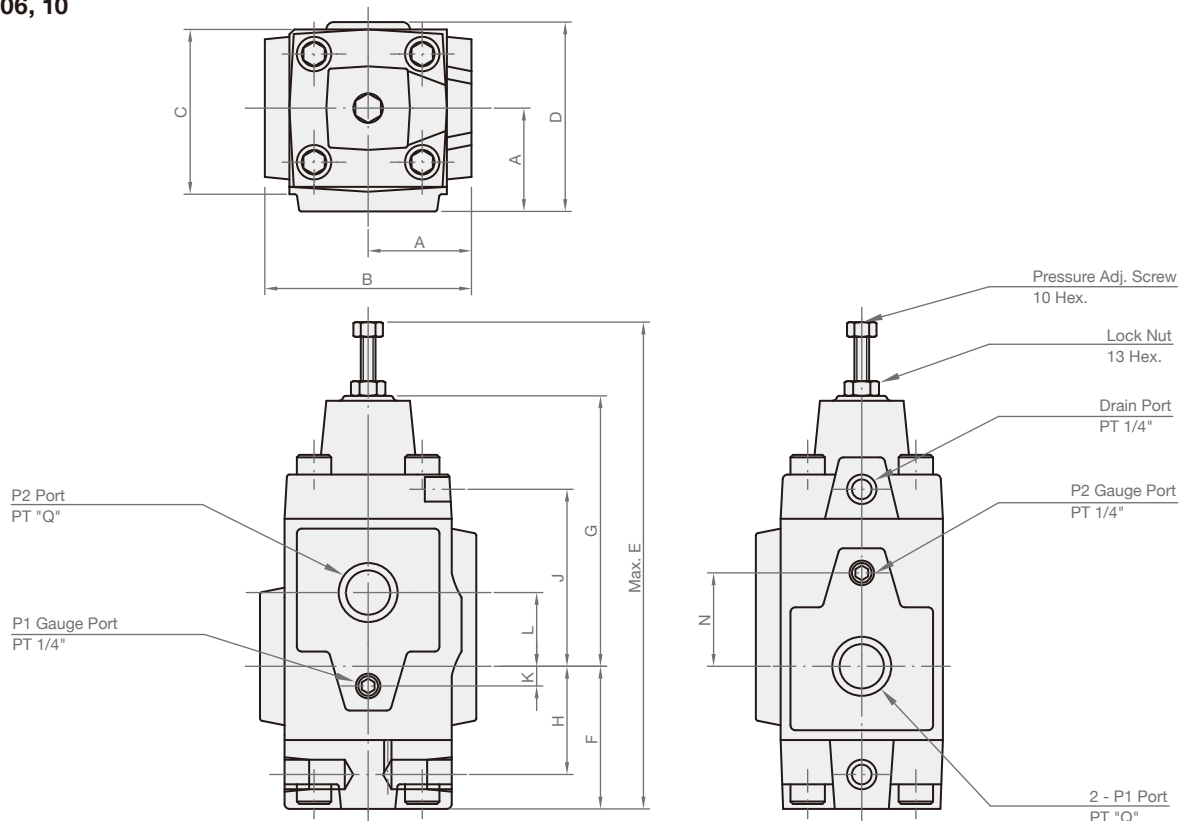
SYMBOLS

Valve Type	Type 1. Low Pressure Relief Valve	Type 2. Sequence Valve	Type 3. Sequence Valve	Type 4. Unloading Valve
Pilot-Drain Type	Internal Pilot-Internal Drain	Internal Pilot-Internal Drain	Internal Pilot-External Drain	External Pilot-External Drain
Operations				
Symbols		  With auxiliary pilot port	  With auxiliary pilot port	  With auxiliary pilot port

DIMENSION

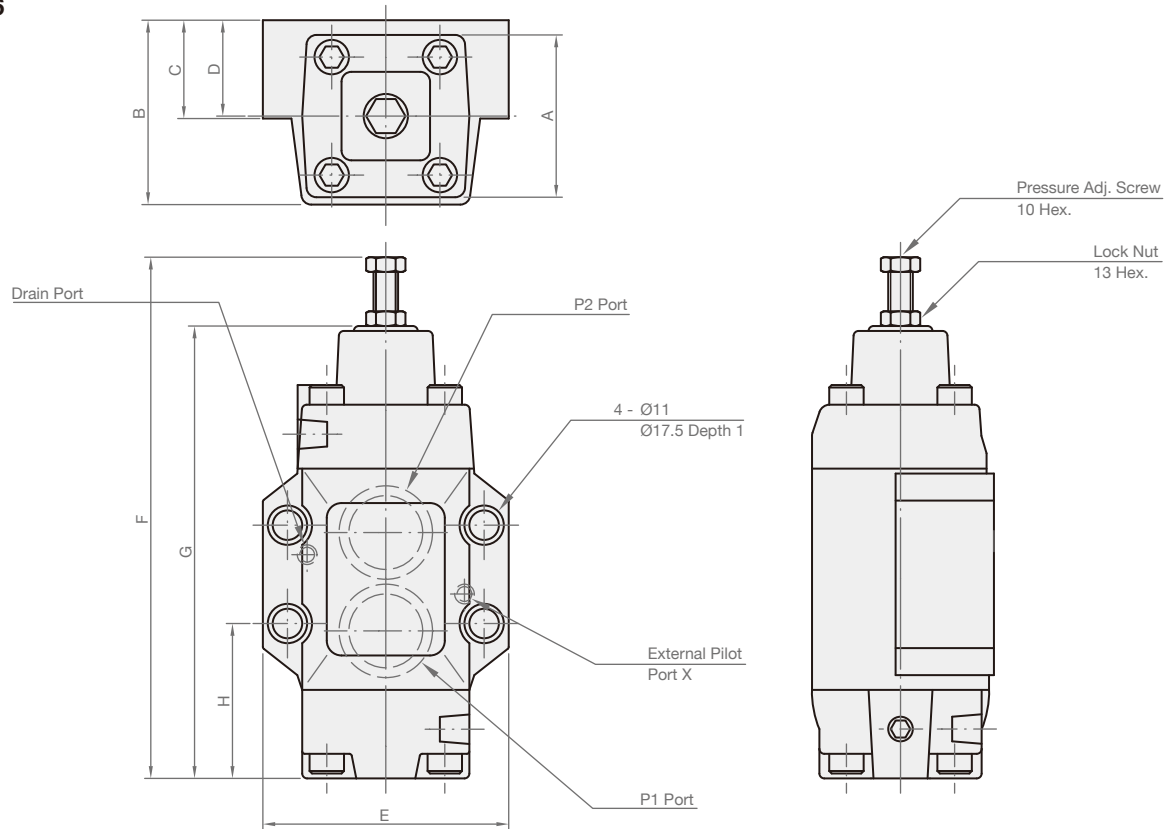
(UNIT : mm)

► HT-03, 06, 10



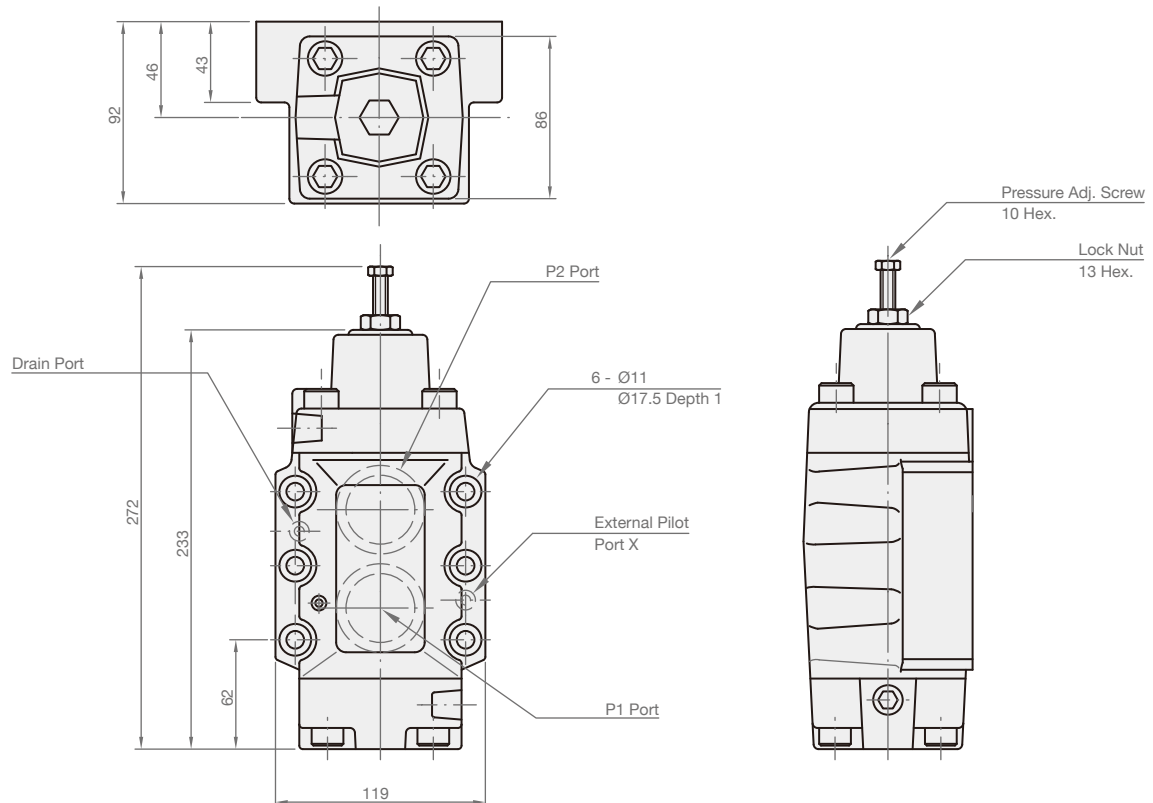
Model	A	B	C	D	E	F	G	H	J	K	L	N	Q
HT-03	42	84	61	74	195	57	106	43	70	0	28	28	3/8"
HT-06	48	96	73	86	219	64.5	123.5	50.5	80	9	33	42	3/4"
HT-10	68.5	137	84	103	272	84	149	66	98	12	40	52	1 1/4"

► HG-03, 06



Model	A	B	C	D	E	F	G	H
HG-03	60	67	61	39	89	195	170.3	52.3
HG-06	73	81	73	39	102	219	192	51

► HG-10



HCG, HCT



ORDER CODES

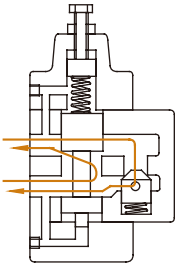
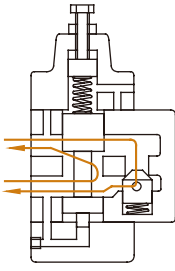
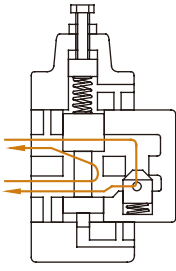
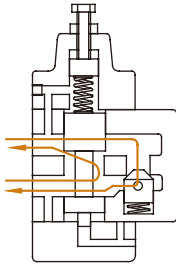
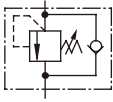
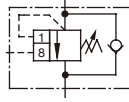
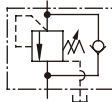
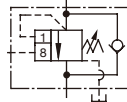
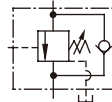
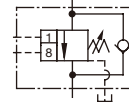
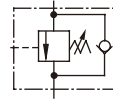
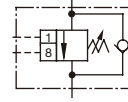
HC	G	-	06	-	A	-	4
1	2		3		4		5

1	Model Name	HC
2	Mounting	G sub-plate mounted
		T threaded connection
3	Thread Connection	03 PT 3/8"
		06 PT 3/4"
		10 PT 1 1/4"
4	Pressure Adj. Range	A 18~35 kgf/cm ²
		B 35~70 kgf/cm ²
		C 70~140 kgf/cm ²
5	Drain Type	1 internal pilot and drain
		2 internal pilot and external drain
		3 external pilot and drain
		4 external pilot and internal drain

MODEL SPEC.

Model		Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Max. Flow (l/min)	Weight (kg)	
Sub-Plate Mounting	Threaded Connection					
HCG-03	HCT-03	210	A: 18~35 B: 35~70 C: 70~140	50	5	4
HCG-06	HCT-06			125	8	7.5
HCG-10	HCT-10			250	13	14

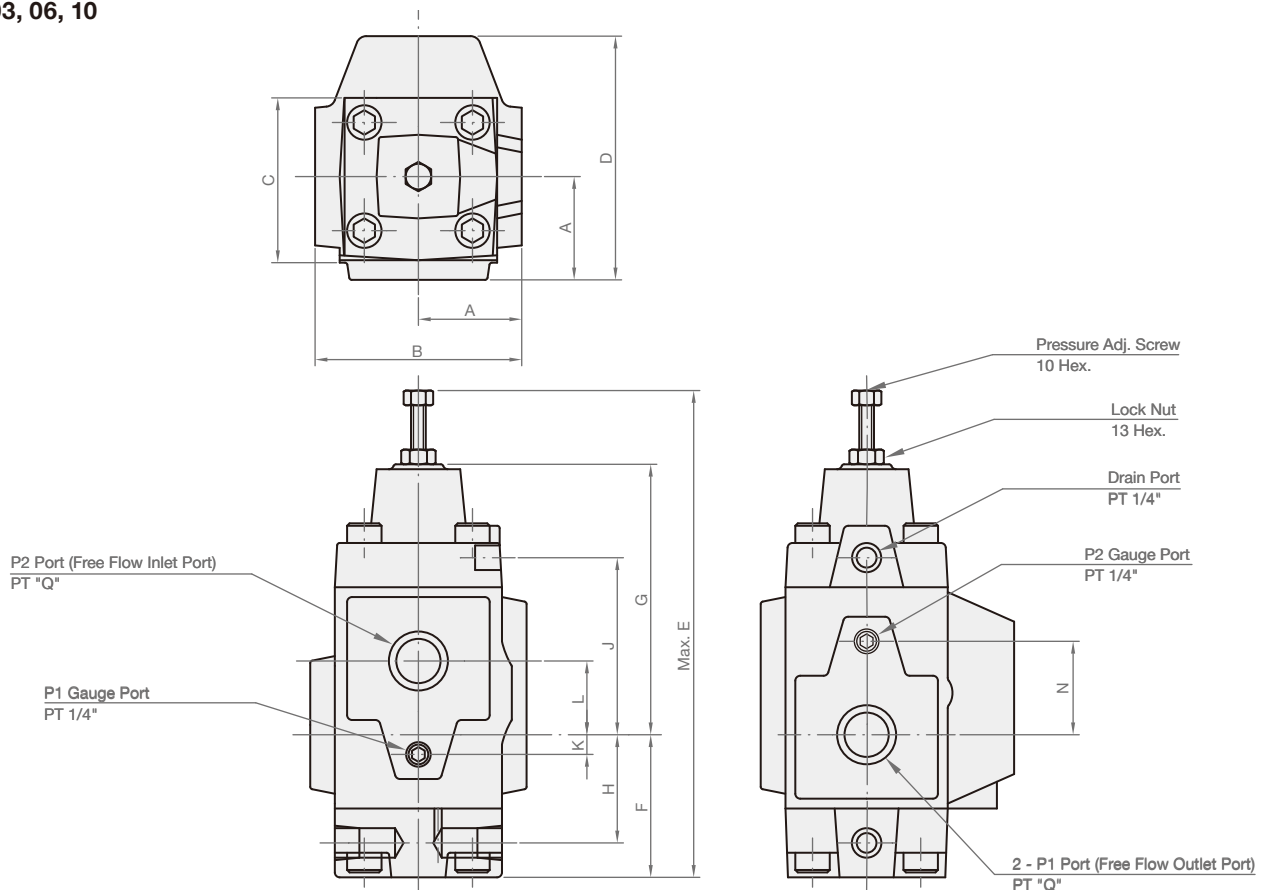
SYMBOLS

Valve Type	Type 1. Counterbalance Valve	Type 2. Sequence and Check Valve	Type 3. Sequence and Check Valve	Type 4. Counterbalance Valve
Pilot-Drain Type	Internal Pilot-Internal Drain	Internal Pilot-External Drain	External Pilot-External Drain	External Pilot-Internal Drain
Operations				
Symbols	  With auxiliary pilot port	  With auxiliary pilot port	  With auxiliary pilot port	  With auxiliary pilot port

DIMENSION

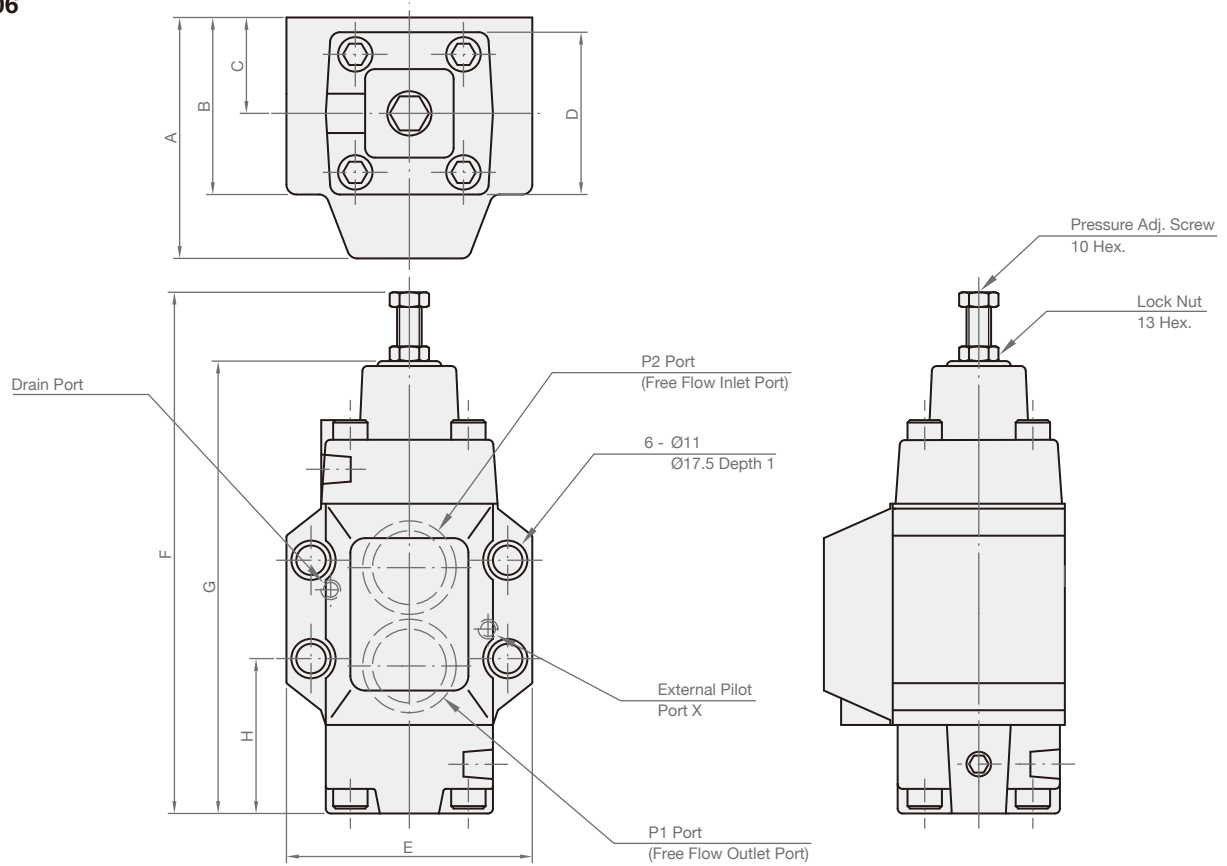
(UNIT : mm)

► HCT-03, 06, 10



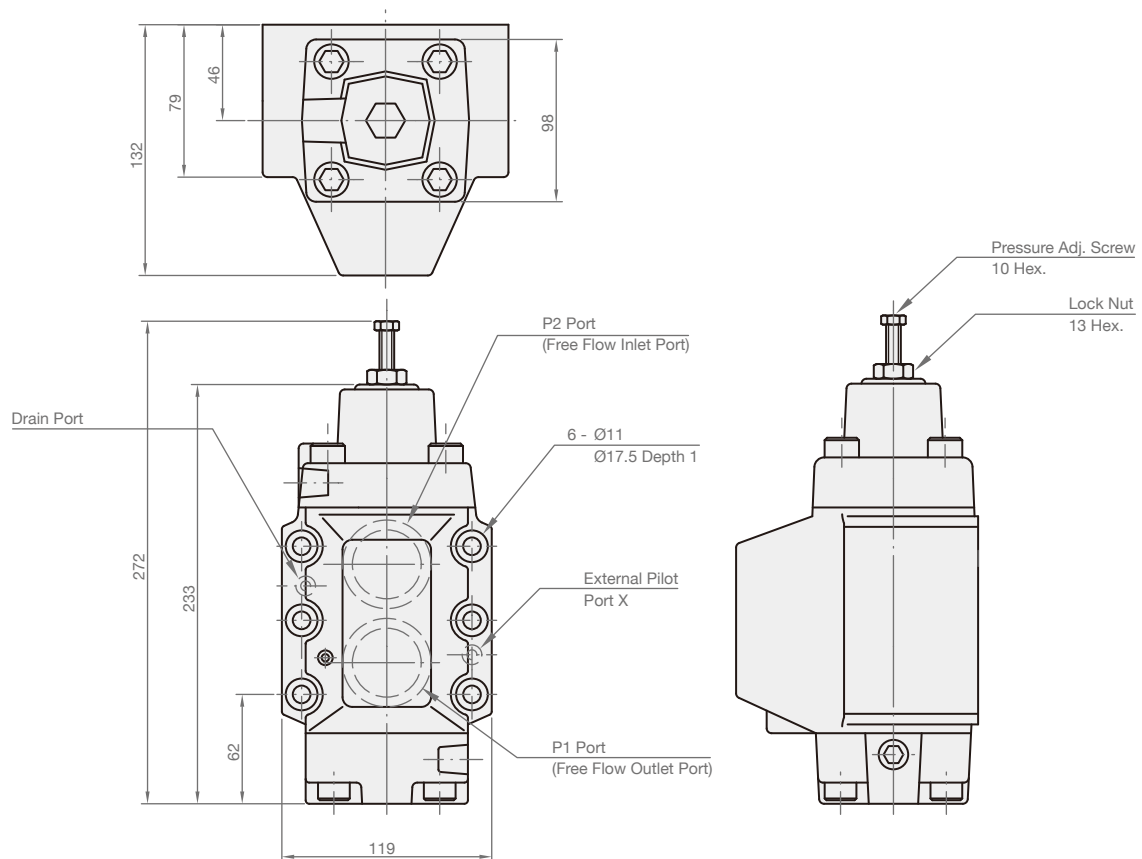
Model	A	B	C	D	E	F	G	H	J	K	L	N	Q
HCT-03	41	82	63	96	194	59	110	43	70	0	28	28	3/8"
HCT-06	50	100	76	118	223.5	64.5	123.5	50.5	80	9	33	42	3/4"
HCT-10	68.5	137	84	156	269	84	149	66	98	12	40	52	1 1/4"

► HCG-03, 06



Model	A	B	C	D	E	F	G	H
HCG-03	87	59	35	60	89	191	170	54
HCG-06	108	69	40	73	102	221	188	51

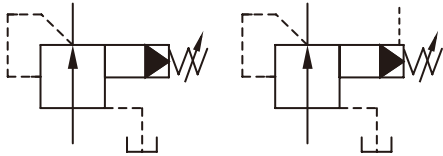
► HCG-10



RG, RT



SYMBOLS



ORDER CODES

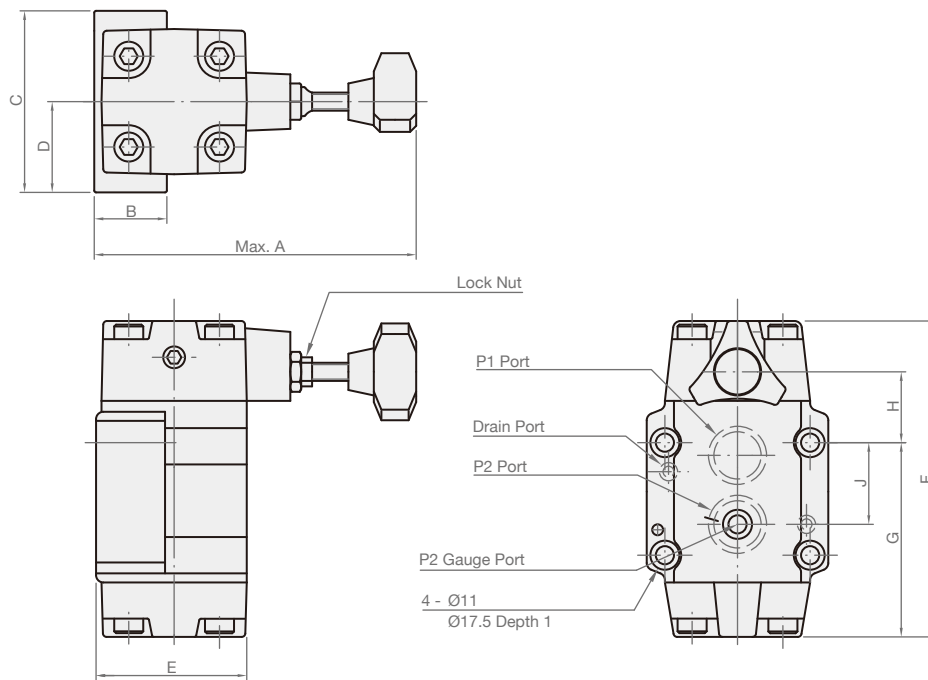
R	G	-	03	-	1	-	31
1	2		3		4		5

1	Model Name	R	
2	Mounting	G	sub-plate mounted
		T	threaded connection
3	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4	Pressure Adj. Range	1	7~70 kgf/cm ²
		2	35~140 kgf/cm ²
		3	70~250 kgf/cm ²
5	Design Number	30	standard type
		31	adjust directly type

MODEL SPEC.

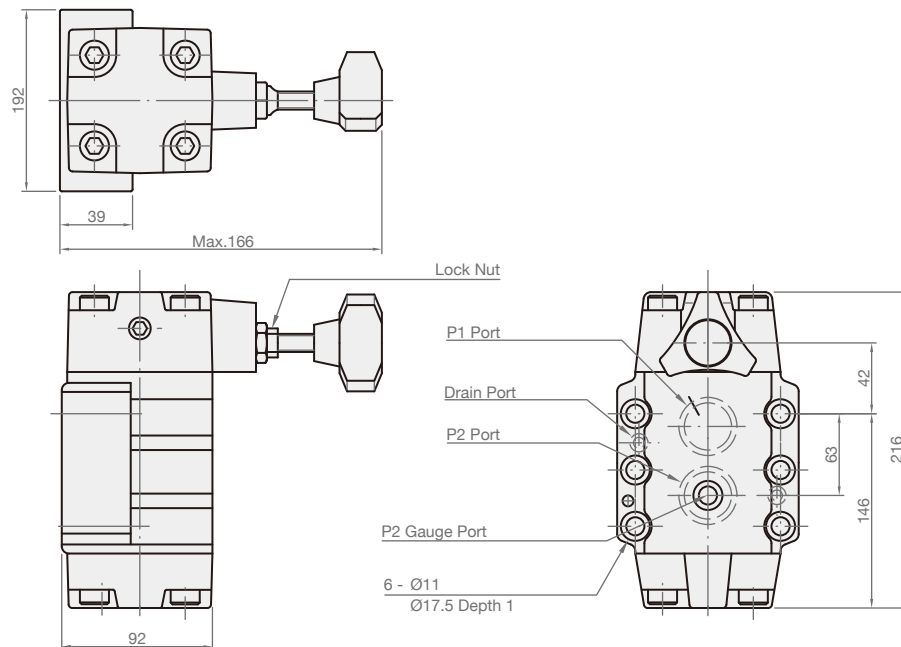
Model		Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Rated Flow (l/min)	Weight (kg)	
Sub-Plate Mounting	Threaded Connection					
RG-03	RT-03	250	1: 7~70 2: 35~140 3: 70~250	50	4.3	4.6
RG-06	RT-06			125	7.4	7.2
RG-10	RT-10			250	12	11

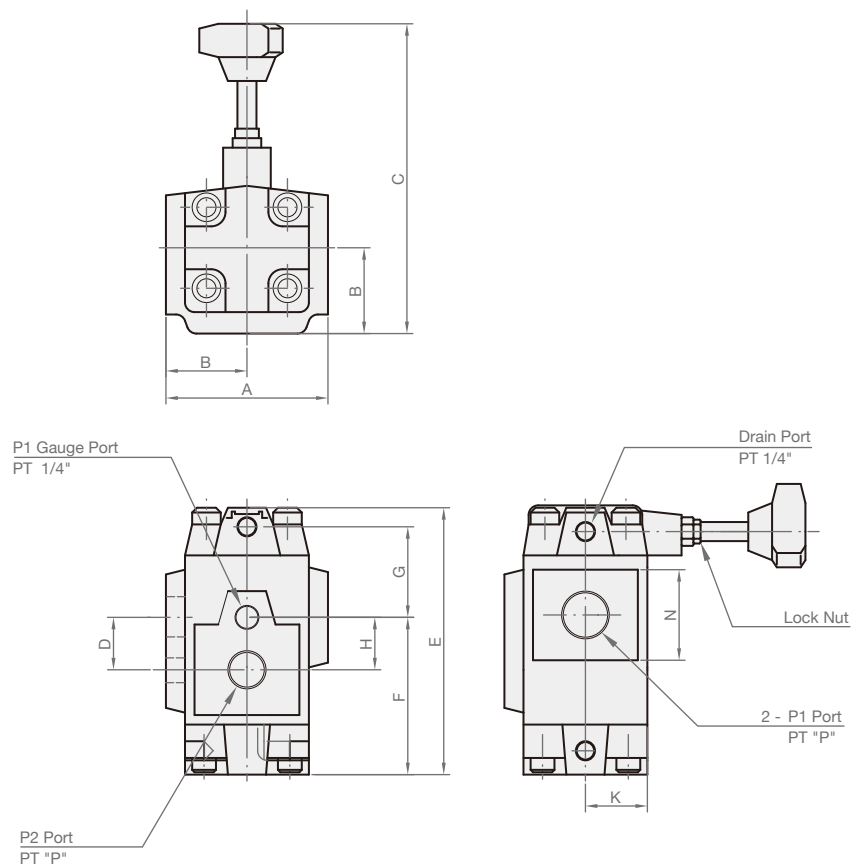
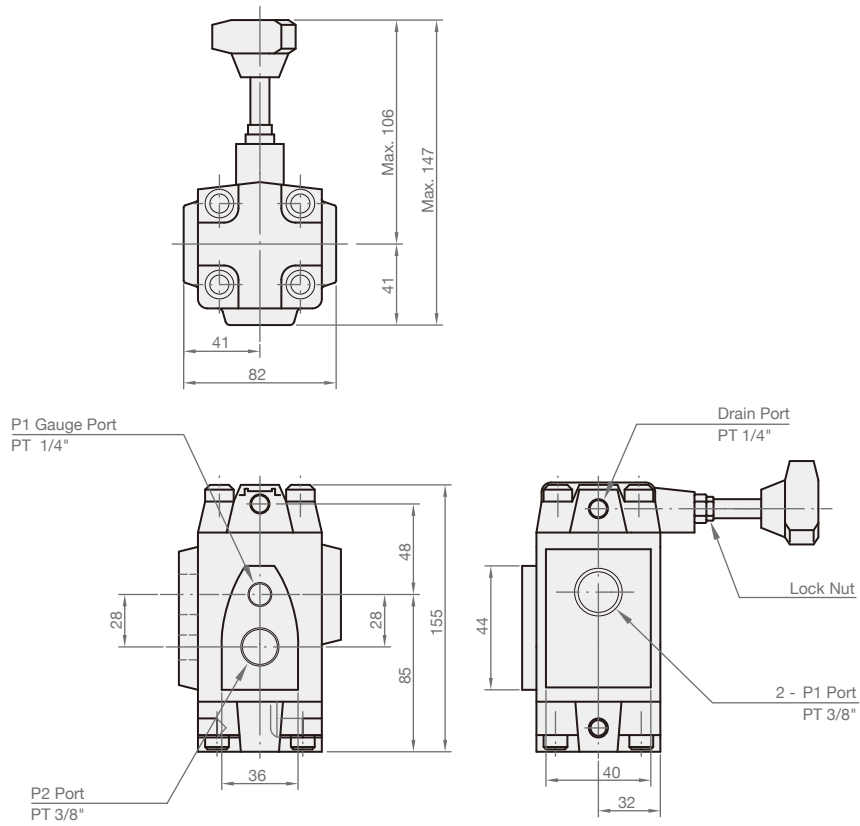
► RG-03, 06



Model	A	B	C	D	E	F	G	H	J
RG-03	164	42	89	44.5	67	155.5	92.4	40.6	35
RG-06	165.8	42	100	50	74	182	111	40	48

► RG-10

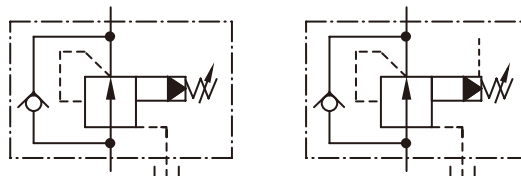




Model	A	B	C	D	E	F	G	H	K	N	P
RT-06	94	48	150	42	179	97	53.5	42	39	62	3/4"
RT-10	137	68.5	167	52	216	124	64	52	50	79	1 1/4"

RCG, RCT

SYMBOLS



ORDER CODES

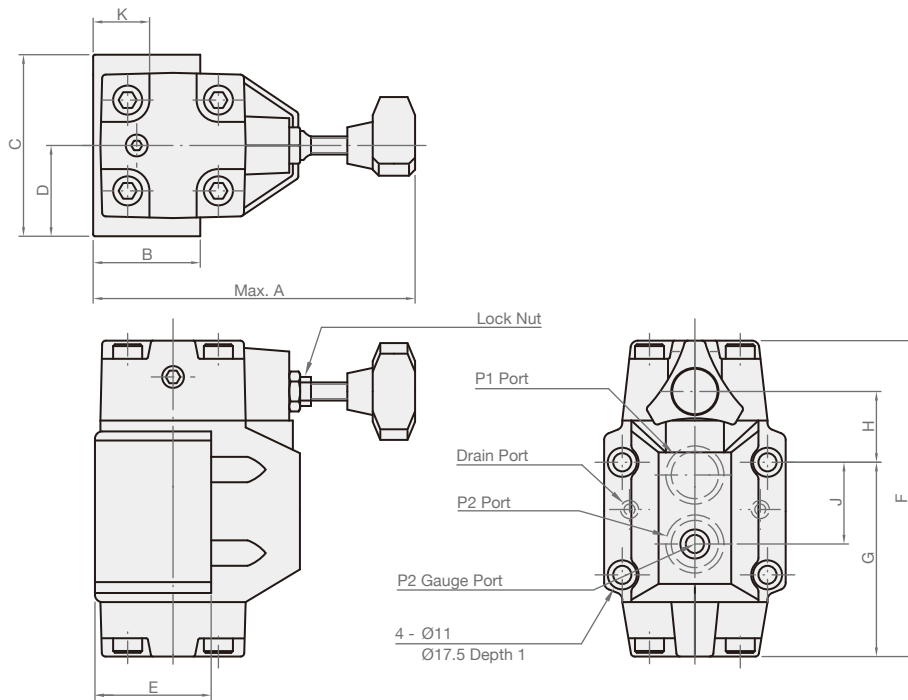
RC	G	- 03	- 1	- 31
1	2	3	4	5

1	Model Name	RC	
2	Mounting	G	sub-plate mounted
		T	threaded connection
3	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4	Pressure Adj. Range	1	7~70 kgf/cm ²
		2	35~140 kgf/cm ²
		3	70~250 kgf/cm ²
5	Design Number	30	standard type
		31	adjust directly type

MODEL SPEC.

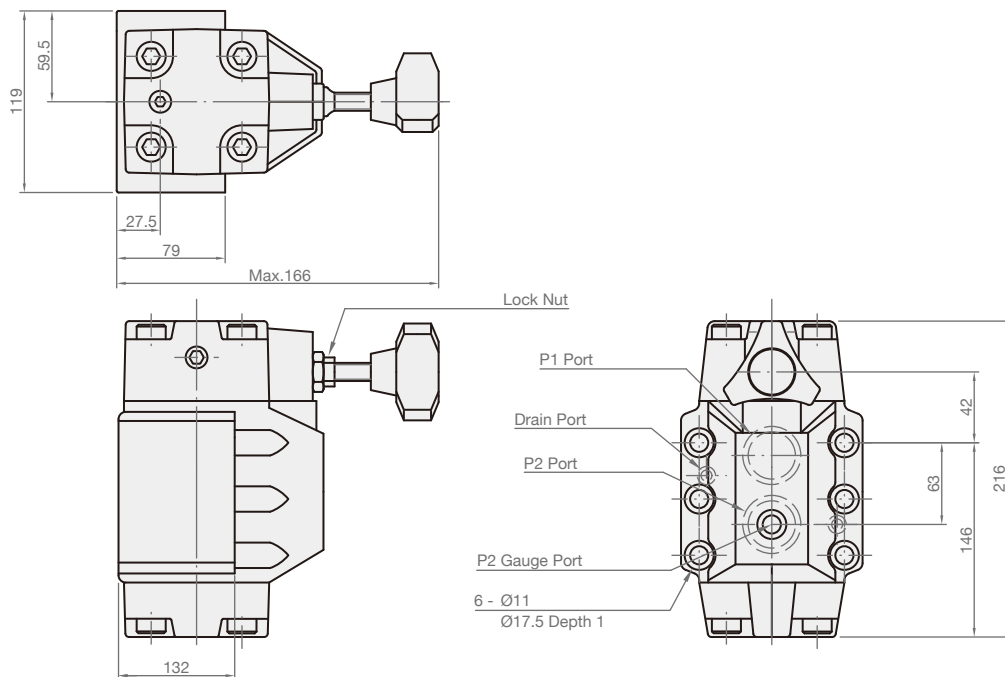
Model		Max. Pressure (kgf/cm ²)	Pressure Adj. Range (kgf/cm ²)	Rated Flow (l/min)	Weight (kg)	
Sub-Plate Mounting	Threaded Connection					
RCG-03	RCT-03	250	1: 7~70 2: 35~140 3: 70~250	50	4.5	5.5
RCG-06	RCT-06			125	7.8	8.3
RCG-10	RCT-10			250	14.4	13.4

► RCG-03, 06

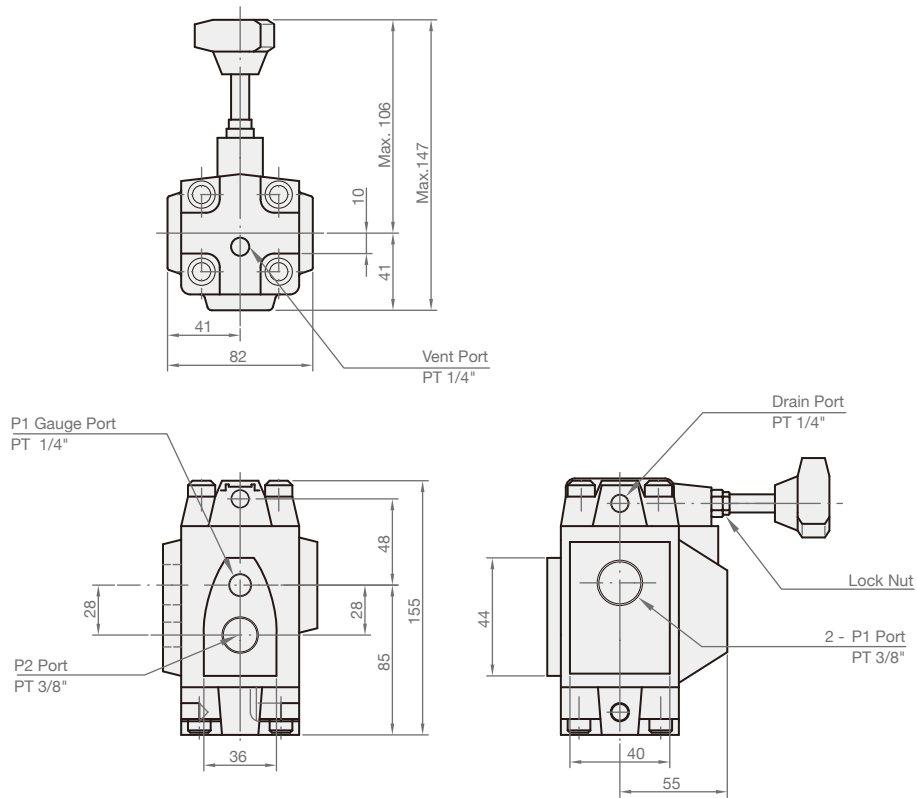


Model	A	B	C	D	E	F	G	H	J	K
RCG-03	164	61	90	45	88	155	92.4	45	34.9	25
RCG-06	164	70	104	52	109	182	111	40	48	21.5

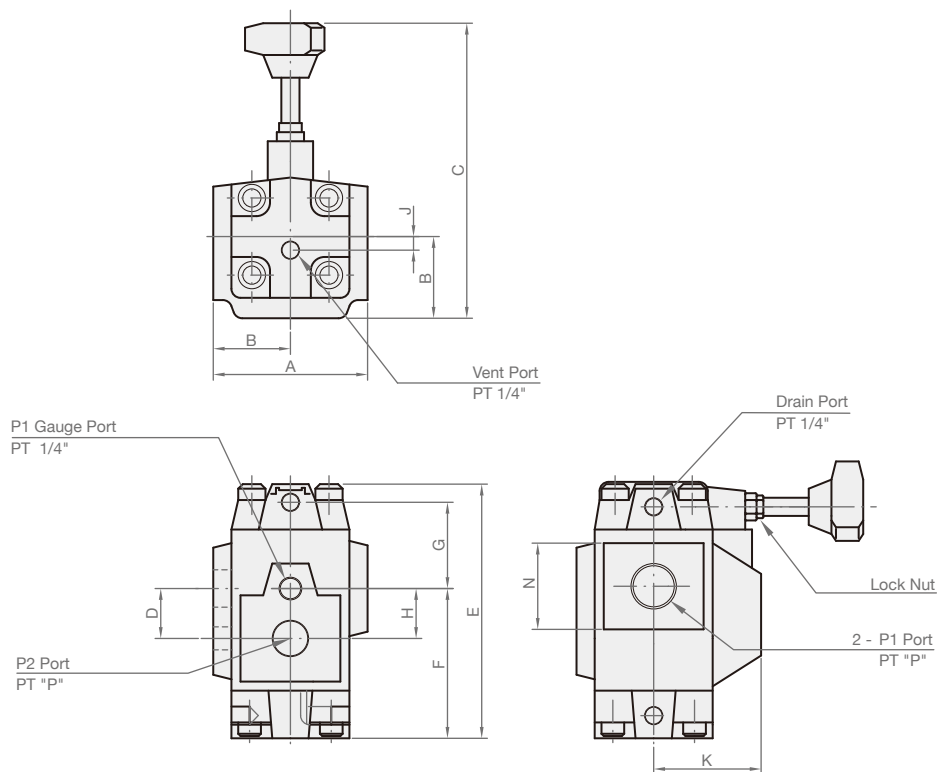
► RCG-10



► RCT-03



► RCT-06, 10



Model	A	B	C	D	E	F	G	H	J	K	N	P
RCT-06	94	48	150	42	179	97.5	44.5	42	9	66	62	3/4"
RCT-10	137	68.5	167	52	216	124	52	52	12	84	79	1 1/4"

SRG, SRT

SYMBOLS



ORDER CODES

SR **G** - **03**

1

2

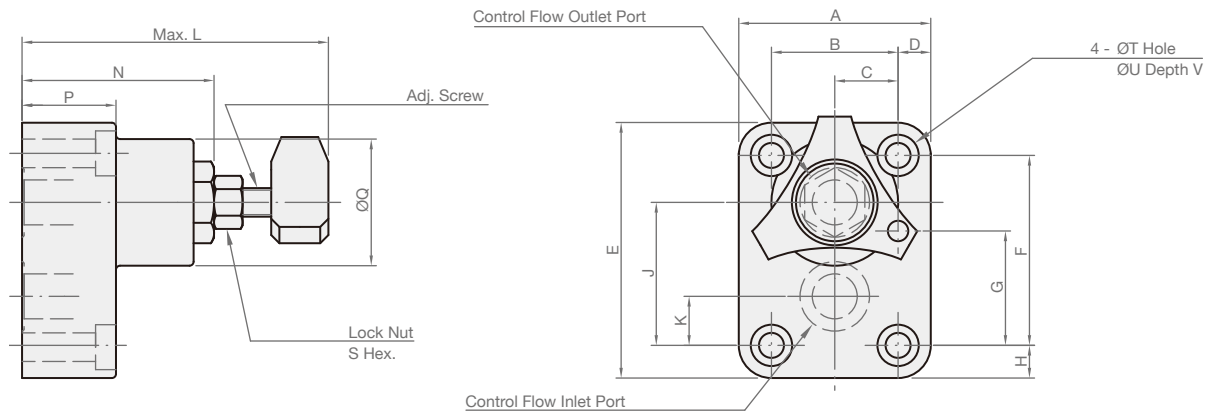
3

1	Model Name	SR	
2	Mounting	G	sub-plate mounted
		T	threaded connection
3	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"

MODEL SPEC.

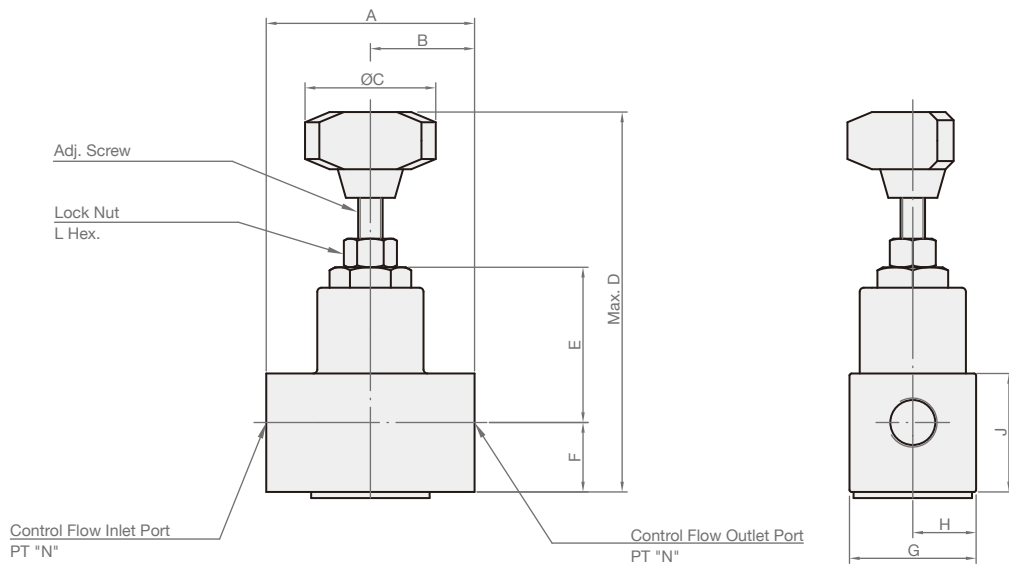
Model		Max. Pressure (kgf/cm ²)	Rated Flow (l/min)	Weight (kg)	
Sub-Plate Mounting	Threaded Connection				
SRG-03	SRT-03	250	30	1.1	1.2
SRG-06	SRT-06		80	2.3	2.3
SRG-10	SRT-10		200	5.5	5.2

► SRG



Model	A	B	C	D	E	F	G	H	J	K	L	N	P	Q	S	T	U	V
SRT-03	60	40	20	10	80	60	30	10	45	15	100	65	30	44	19	9	14	8.6
SRT-06	80	58	29	11	92	70	35	11	54	16	117.5	73	42	41.5	23	11	17.5	10.8
SRT-10	100	72	36	14	120	92	46	14	71	21	145	100	55	56	23	13.5	21	1

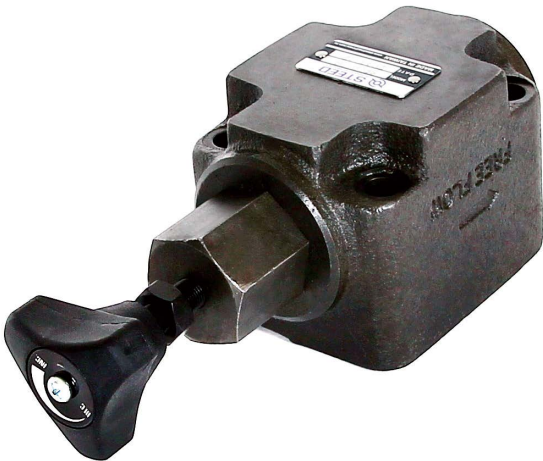
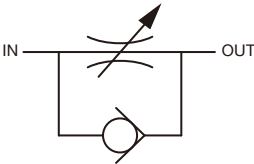
► SRT



Model	A	B	C	D	E	F	G	H	J	L	N
SRT-03	70	35	40	143	54	23	42	20	40	19	3/8"
SRT-06	100	50	40	136.5	62	30	62	30	60	19	3/4"
SRT-10	130	65	56	173	73	40	82	40	80	22	1 1/4"

SRCG, SRCT

SYMBOLS



ORDER CODES

SRC

G

-

03

1

2

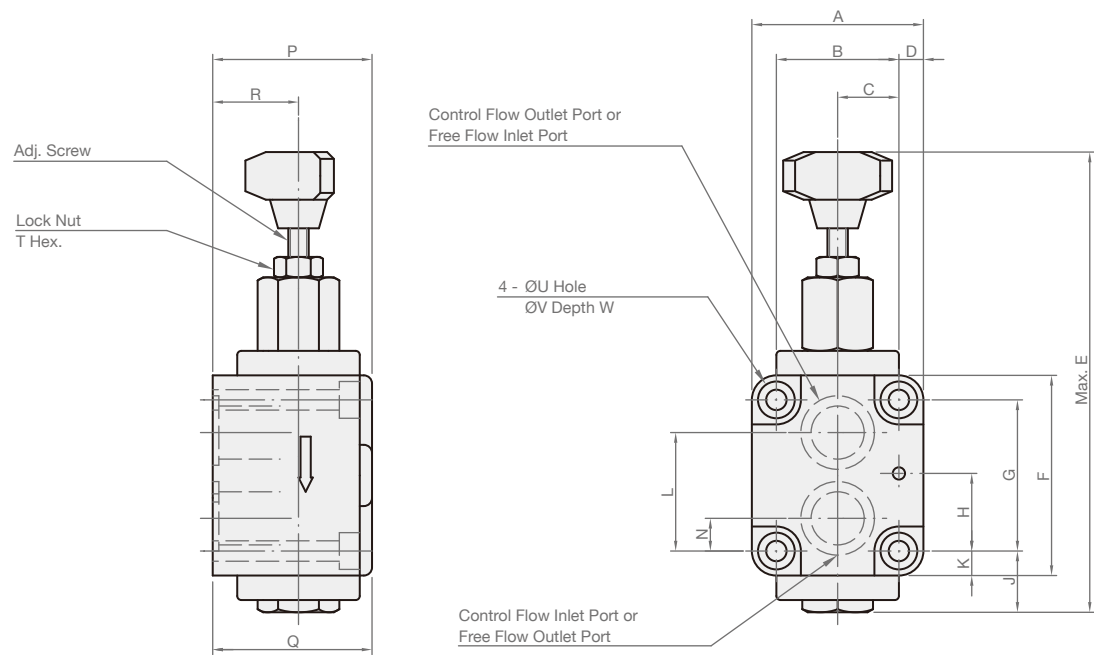
3

1	Model Name	SRC			
2	Mounting	G	sub-plate mounted		
		T	threaded connection		
3	Thread Connection	03	PT 3/8"		
		06	PT 3/4"		
		10	PT 1 1/4"		

MODEL SPEC.

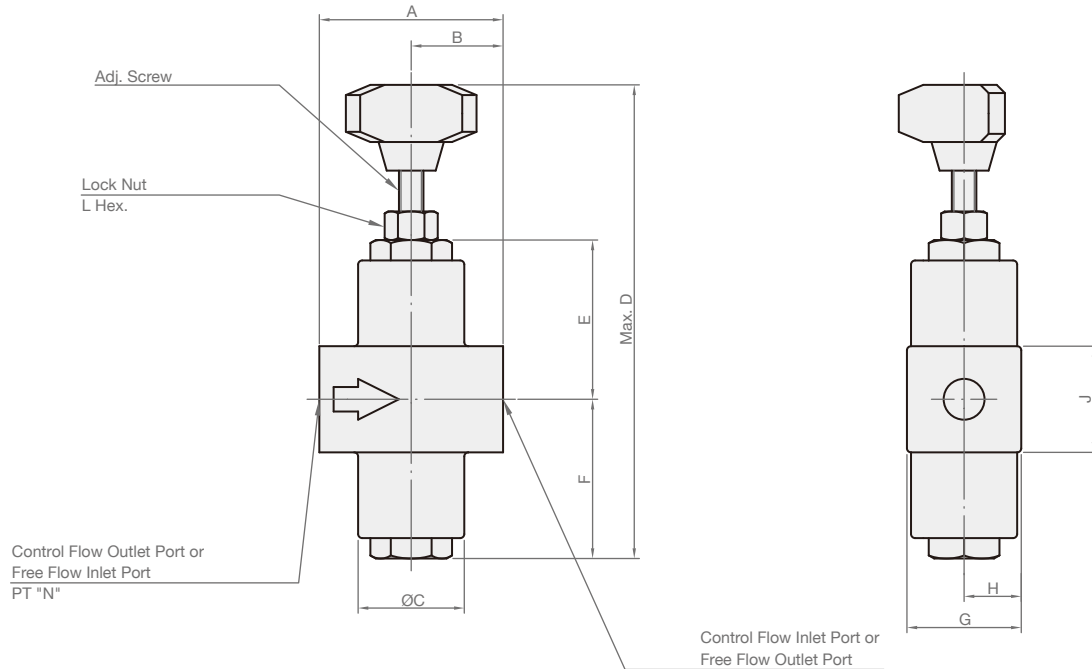
Model		Max. Pressure (kgf/cm ²)	Rated Flow (l/min)	Weight (kg)	
Sub-Plate Mounting	Threaded Connection				
SRCG-03	SRCT-03	250	30	1.4	1.8
SRCG-06	SRCT-06		80	3.5	4.0
SRCG-10	SRCT-10		200	7.2	8.1

► SRCG



Model	A	B	C	D	E	F	G	H	J	K	L	N	P	Q	R	T	U	V	W
SRCG-03	60	40	20	10	179	80	60	30	28	10	45	15	62	55	35	19	8.8	14	8.6
SRCG-06	80	58	29	11	213	95	70	35	30	11	54	16	74	68	40	19	11	17.5	10.8
SRCG-10	100	72	36	14	228	120	92	46	31	14	71	21	97	82	50	22	13.5	21	1

► SRCT



Model	A	B	C	D	E	F	G	H	J	L	N
SRCT-03	70	35	40	180	62.5	58	42	21	40	19	3/8"
SRCT-06	100	50	60	215	83	65	62	31	60	19	3/4"
SRCT-10	130	65	80	228	106	77	82	41	80	22	1 1/4"

SFG, SDFG, THFG, SDG, SFDG, SKFG



ORDER CODES

SF - **G** **06** - **E**

1

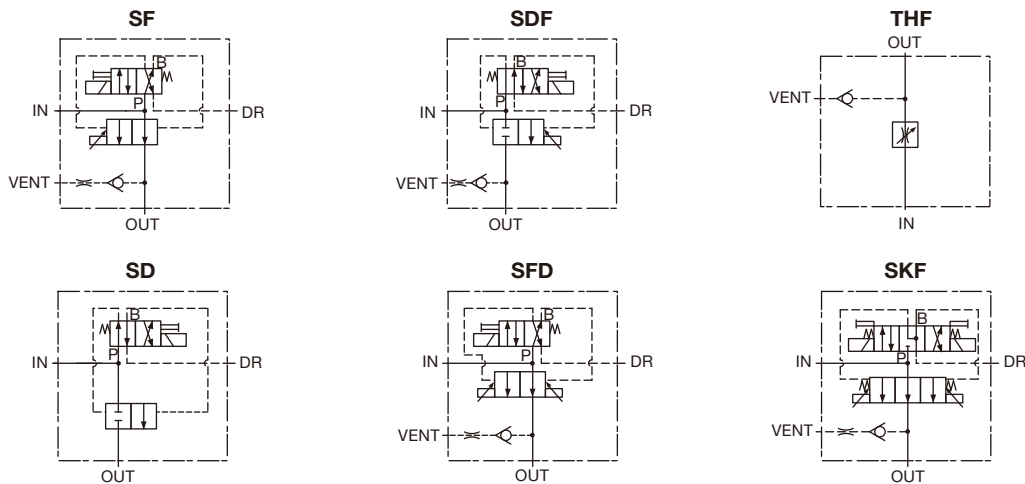
2

3

4

1	Model Name	SF, SDF, THF, SD, SFD, SKF	
2	Mounting	G	sub-plate mounted
3	Thread Connection	06	PT 3/4"
		10	PT 1 1/4"
4	Drain Type	E	external drain
		T	external pilot

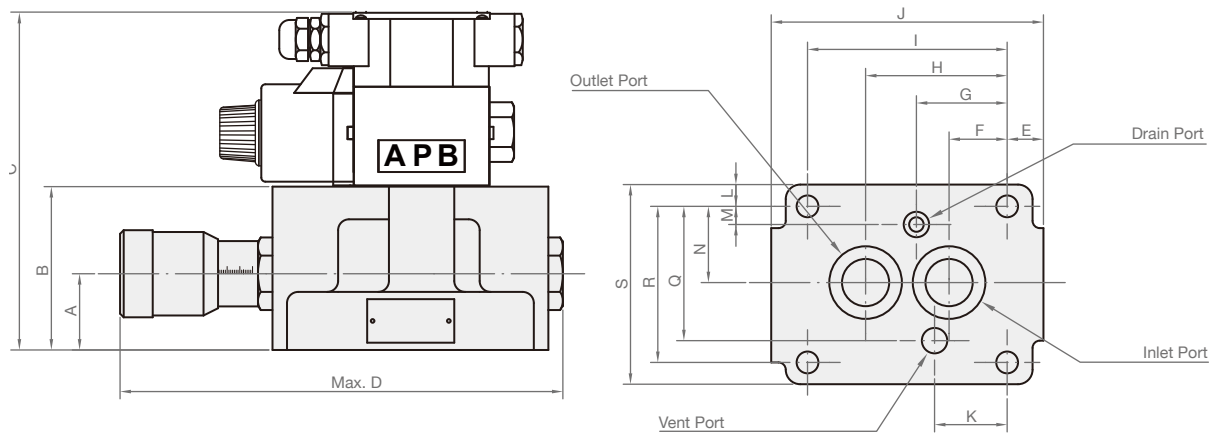
SYMBOLS



MODEL SPEC.

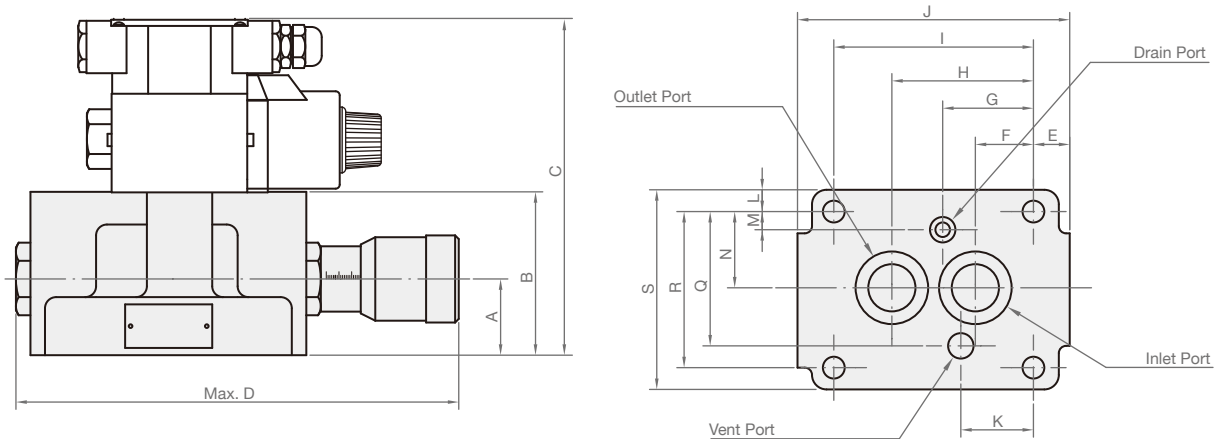
Model	Max. Pressure (kgf/cm ²)	Max. Flow (l/min)	Pilot Valve Type	Weight (kg)
SF-G06	250	120	4WE-6Y	6.4
SDF-G06			4WE-6D	6.4
THF-G06			-	5
SD-G06			4WE-6D	6.1
SFD-G06			4WE-6Y	6.7
SKF-06			4WE-6J	7.5
SF-G10	250	240	4WE-6Y	9
SDF-G10			4WE-6D	9
THF-G06			-	-
SD-G10			4WE-6D	9
SFD-G10			4WE-6Y	10.4

► SF-G



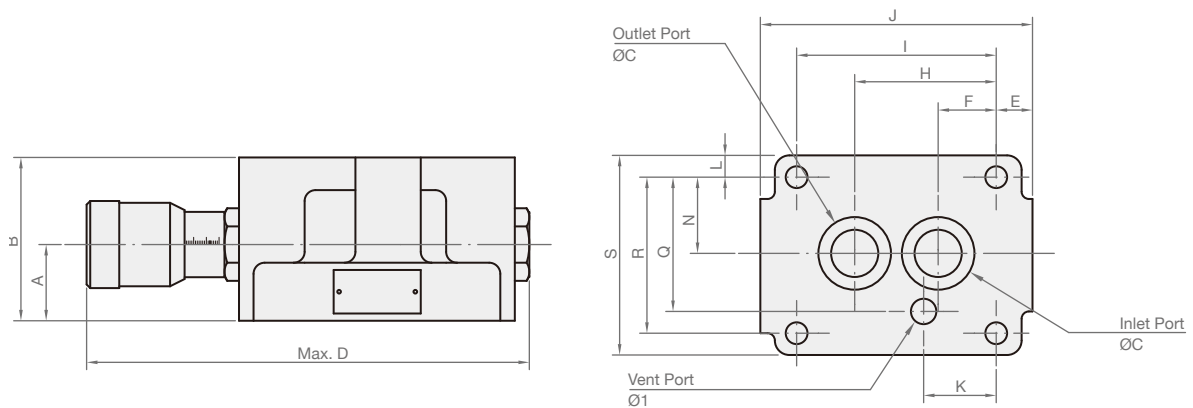
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Q	R	S
SF-G06	35	75	160	209	17.5	26	40.5	64	90	125	31.7	10.5	9.5	37	63	74	95
SF-G10	40	85	171	248	19	34	47	78	112	150	37.9	14.5	16	43	76	86	115

► SDF-G



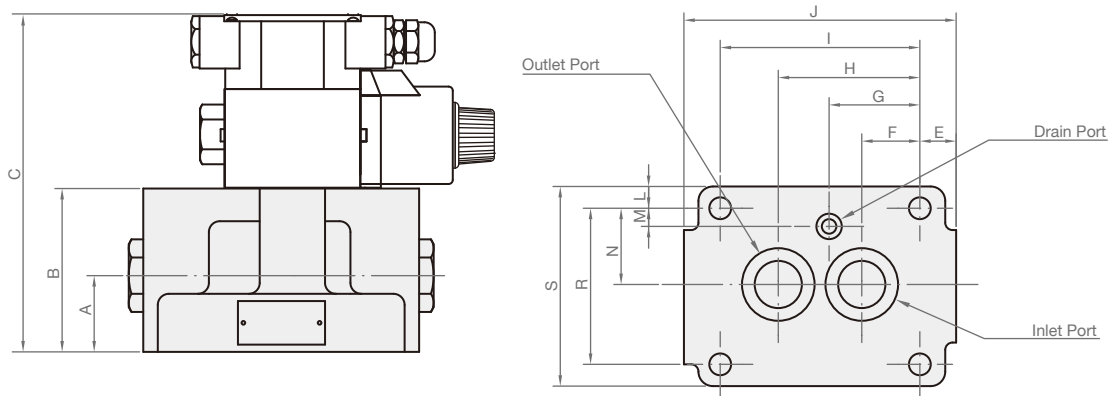
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Q	R	S
SDF-G06	35	75	160	209	17.5	26	40.5	64	90	125	31.7	10.5	9.5	37	63	74	95
SDF-G10	40	86	171	248	19	34	47	78	112	150	37.9	14.5	16	43	76	86	115

► THF-G



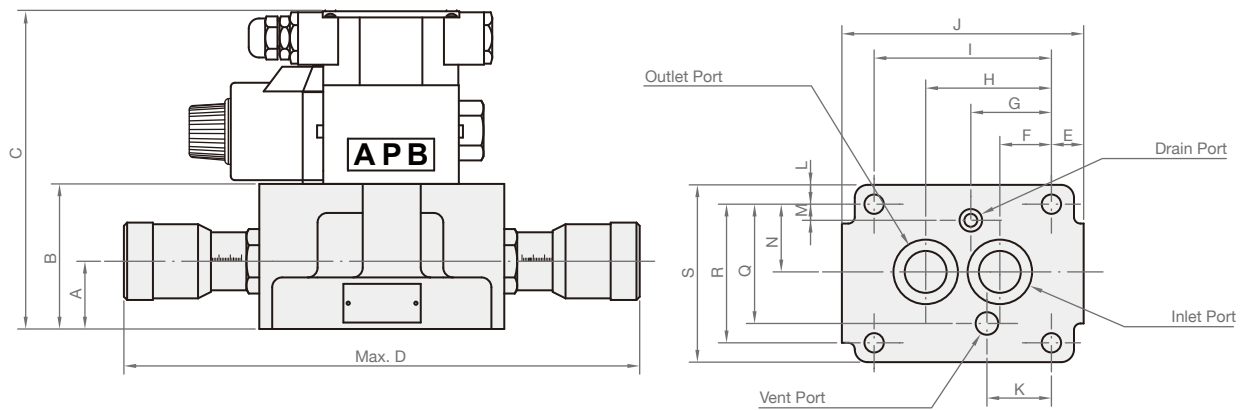
Model	A	B	C	D	E	F	H	I	J	K	L	N	Q	R	S
THF-G06	35	75	Ø26	209	17.5	26	64	90	125	31.7	10.5	37	63	74	95
THF-G10	40	86	Ø29	248	19	34	78	112	150	37.9	14.5	43	76	86	115

► **SD-G**



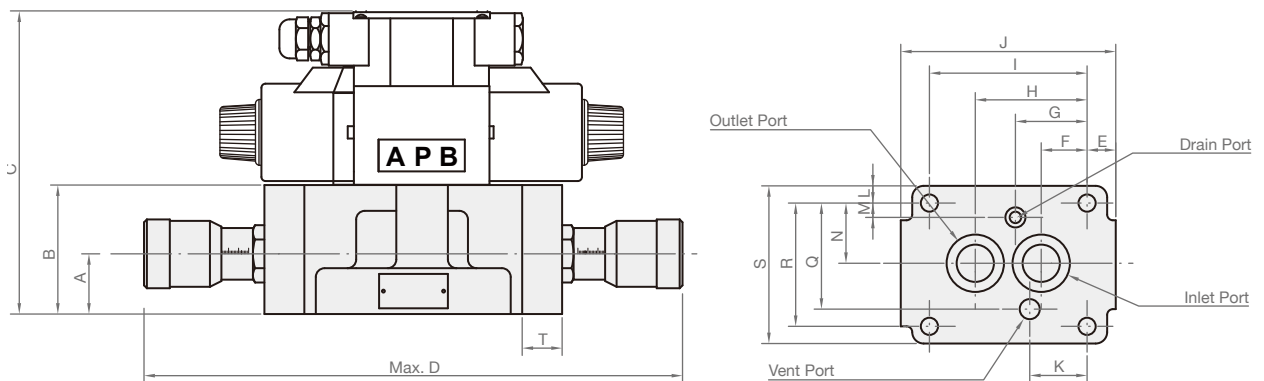
Model	A	B	C	D	E	F	G	H	I	J	L	M	N	R	S
SD-G06	35	75	160	180	17.5	26	40.5	64	90	125	10.5	9.5	37	74	95
SD-G10	40	86	171	197	19	34	47	78	112	150	14.5	16	43	86	115

► **SFD-G**



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Q	R	S
SFD-G06	35	75	160	277	17.5	26	40.5	64	90	125	31.7	10.5	9.5	37	63	74	95
SFD-G10	40	86	171	328	19	34	47	78	112	150	37.9	14.5	16	43	76	86	115

► **SKF**



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Q	R	S	T
SKF-G06	35	75	160	315	17.5	26	40.5	64	90	125	31.7	10.5	9.5	37	63	74	95	27

CRG



SYMBOLS



ORDER CODES

CR **G** - **03** - **05**

1 2 3 4

1	Model Name	CR	
2	Mounting	G	sub-plate mounted
3	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4	Cracking Pressure	05	0.35 kgf/cm ²
		50	3.5 kgf/cm ²
		75	5 kgf/cm ²

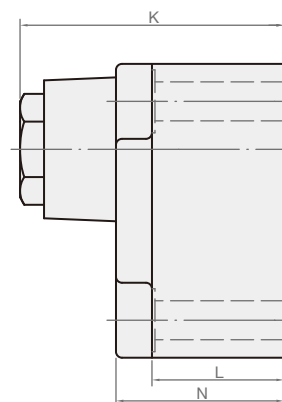
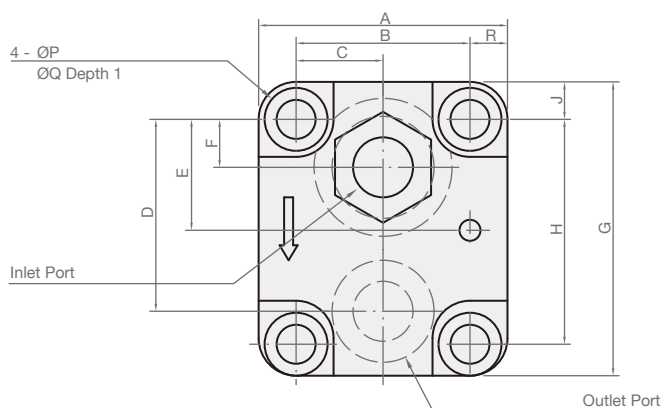
MODEL SPEC.

Model	Max. Pressure (kgf/cm ²)	Cracking Pressure (kgf/cm ²)	Rated Flow (l/min)	Weight (kg)
CRG-03	250	05: 0.35 50: 3.5 75: 5	40	2
CRG-06			125	4.4
CRG-10			250	8

DIMENSION

(UNIT : mm)

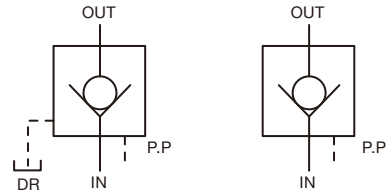
► CRG



Model	A	B	C	D	E	F	G	H	J	K	L	N	P	Q	R
CRG-03	68	47.6	23.8	47.6	30.1	12.7	80	60.3	10	70	36	46	11	17.5	10.2
CRG-06	101	65.2	32.6	68.2	40.5	22.2	114	80.9	16.5	81	38	54	17.5	26	16.45
CRG-10	130	92.1	46.1	71.4	46	20.6	130	92.1	19	100	50	67	21.5	30	18.95

CPG, CPT, CPDG, CPDT

SYMBOLS



ORDER CODES

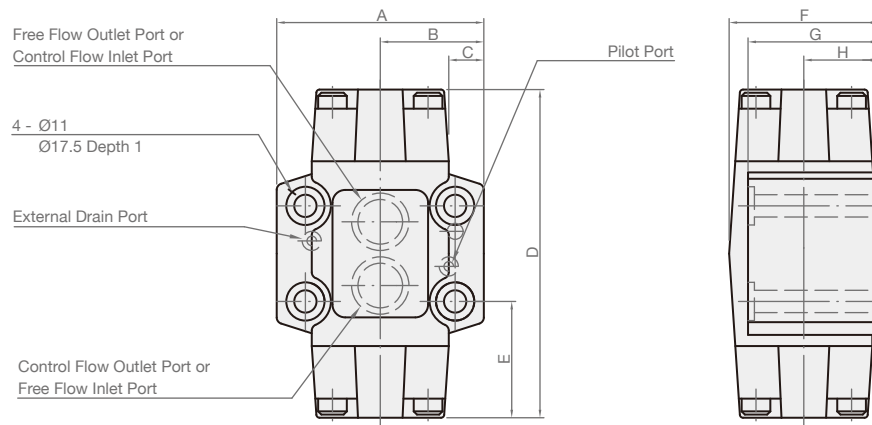
CPD	G	- 03 -	05 -	E -	10
1	2	3	4	5	6

1	Model Name	CP	pilot controlled check valve
		CPD	decompression type pilot controlled check valve
2	Mounting	G	sub-plate mounted
		T	threaded connection
3	Thread Connection	03	PT 3/8"
		06	PT 3/4"
		10	PT 1 1/4"
4	Cracking Pressure	05	0.35 kgf/cm ²
		50	3.5 kgf/cm ²
5	Drain and Pilot Connection	E	external pilot & internal drain
		ET	external pilot & external drain
6	Design Number	10	non ISO mounting
		20	ISO mounting

MODEL SPEC.

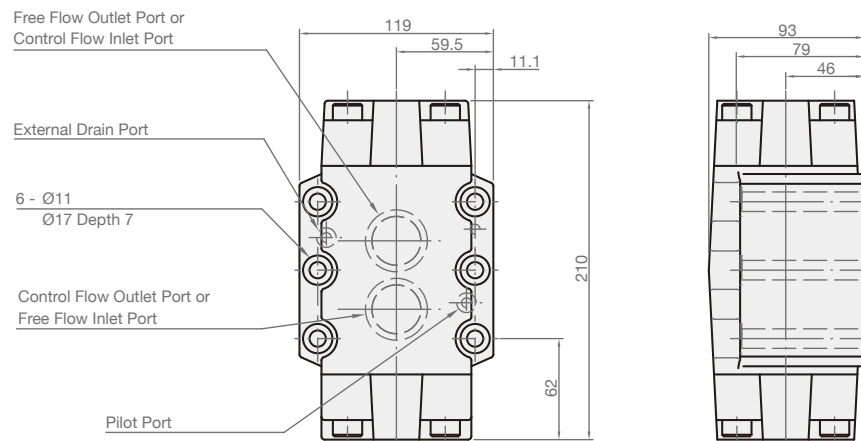
Model		Max. Pressure (kgf/cm ²)	Cracking Pressure (kgf/cm ²)	Rated Flow (l/min)	Weight (kg)	
Sub-Plate Mounting	Threaded Connection					
CPG-03 CPDG-03	CPT-03 CPDT-03	250	05: 0.35 50: 3.5	40	4.0	5.0
CPG-06 CPDG-06	CPT-06 CPDT-06			125	6.0	6.5
CPG-10 CPDG-10	CPT-10 CPDT-10			250	11.5	12.0

► CPG, CPDG-03, 06

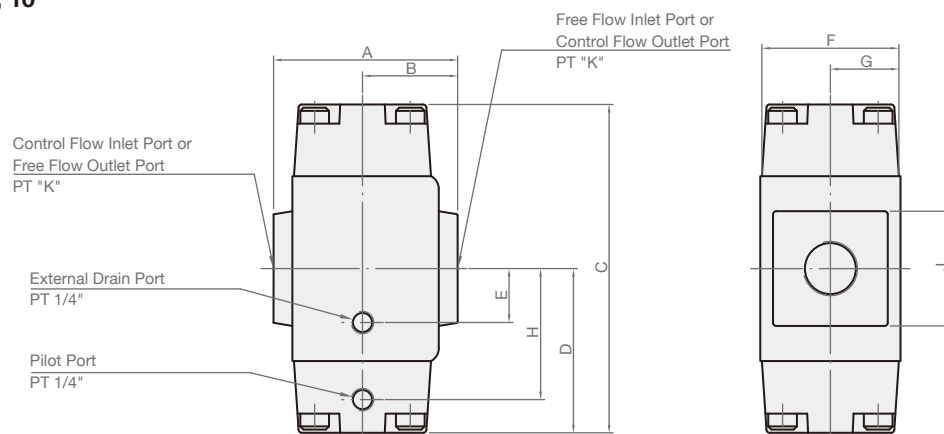


Model	A	B	C	D	E	F	G	H
CPG, CPDG-03	87.5	44.5	10	144	50.6	68	41	35
CPG, CPDG-06	102	51	11.3	174	57	80	50	40

► CPG, CPDG-10



► CPT, CPDT-03, 06, 10



Model	A	B	C	D	E	F	G	H	J	K
CPT, CPDT-03	80	40	150.5	75	21	64	35.5	58	41	3/8"
CPT, CPDT-06	99.6	49.8	174	84	26	73	38	68	65	3/4"
CPT, CPDT-10	140	70	208	104	35	92	45	84	79	1 1/4"

DHG



DHG-04



DHG-06

ORDER CODES

DH	G	-	04	-	3C2	-	ET	-	AB	-	K
1	2		3		4		5		6		7

1 ▶	Model Name	DH	
2 ▶	Mounting	G	sub-plate mounted
3 ▶	Thread Connection	04	PT 1/2"
		06	PT 3/4"
4 ▶	Spool Type	please refer to the symbol list	
5 ▶	Drain Type	none	pilot oil supply internal, pilot oil drain internal
		T	pilot oil supply internal, pilot oil drain external
		ET	pilot oil supply external, pilot oil drain external
		E	pilot oil supply external, pilot oil drain internal
6 ▶	Adjustable Stroke	AB	both side with adjustable strokes
		A	port A side with adjustable stroke
		B	port B side with adjustable stroke
7 ▶	Knob	none	without knob
		K	with knob

MODEL SPEC.

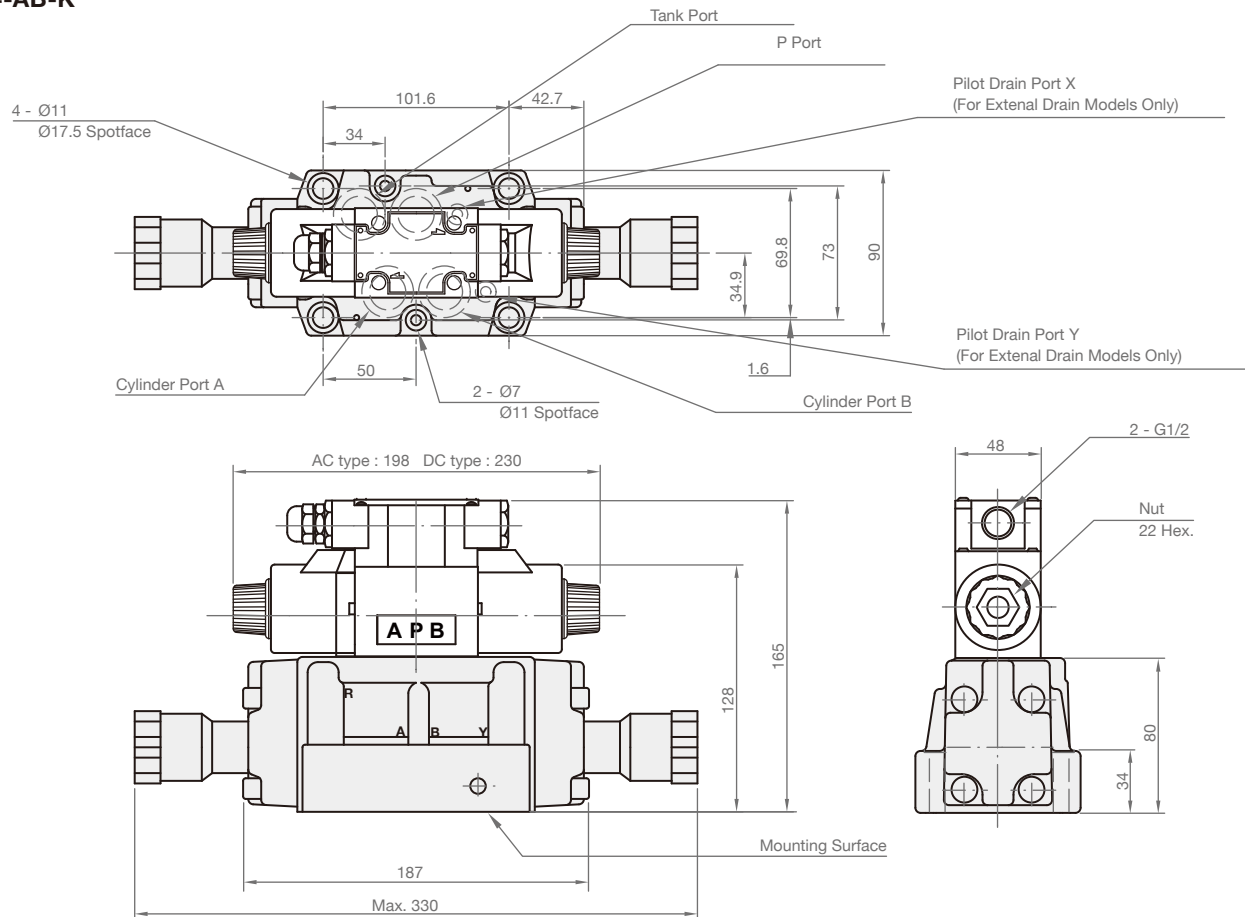
Model	Max. Flow (l/min)	Max. Operating Pressure (kgf/cm ²)	Max. Pilot Pressure (kgf/cm ²)	Min. Pilot Pressure (kgf/cm ²)	Max. Pressure (kgf/cm ²)		Max. Change Over Frequency (cycles/min)		Weight (kg)
					EXT. Drain	INT. Drain	AC	DC	
DHG-04	300	315	250	8	210	140	120	120	6.29
DHG-06	500	315	250	8	210	140	120	120	11.74

Three Positions		Two Positions			
DHG-3C2		DHG-2B2A		DHG-2B2B	
DHG-3C3		DHG-2B3A		DHG-2B3B	
DHG-3C4		DHG-2B4A		DHG-2B4B	
DHG-3C40		DHG-2B40A		DHG-2B40B	
DHG-3C5		DHG-2B5A		DHG-2B5B	
DHG-3C60		DHG-2B60A		DHG-2B60B	
DHG-3C7		DHG-2B7A		DHG-2B7B	
DHG-3C9		DHG-2B9A		DHG-2B9B	
DHG-3C10		DHG-2B10A		DHG-2B10B	
DHG-3C11		DHG-2B11A		DHG-2B11B	
DHG-3C12		DHG-2B12A		DHG-2B12B	

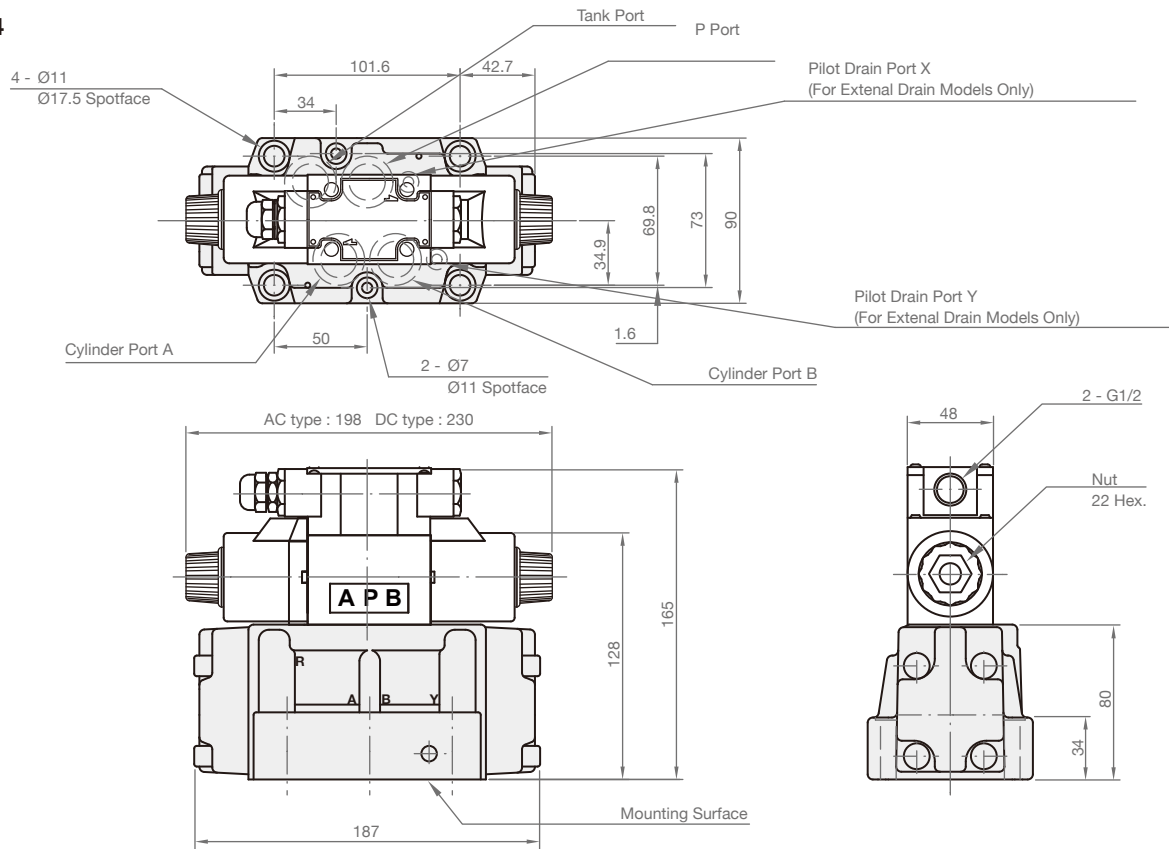
DIMENSION

(UNIT : mm)

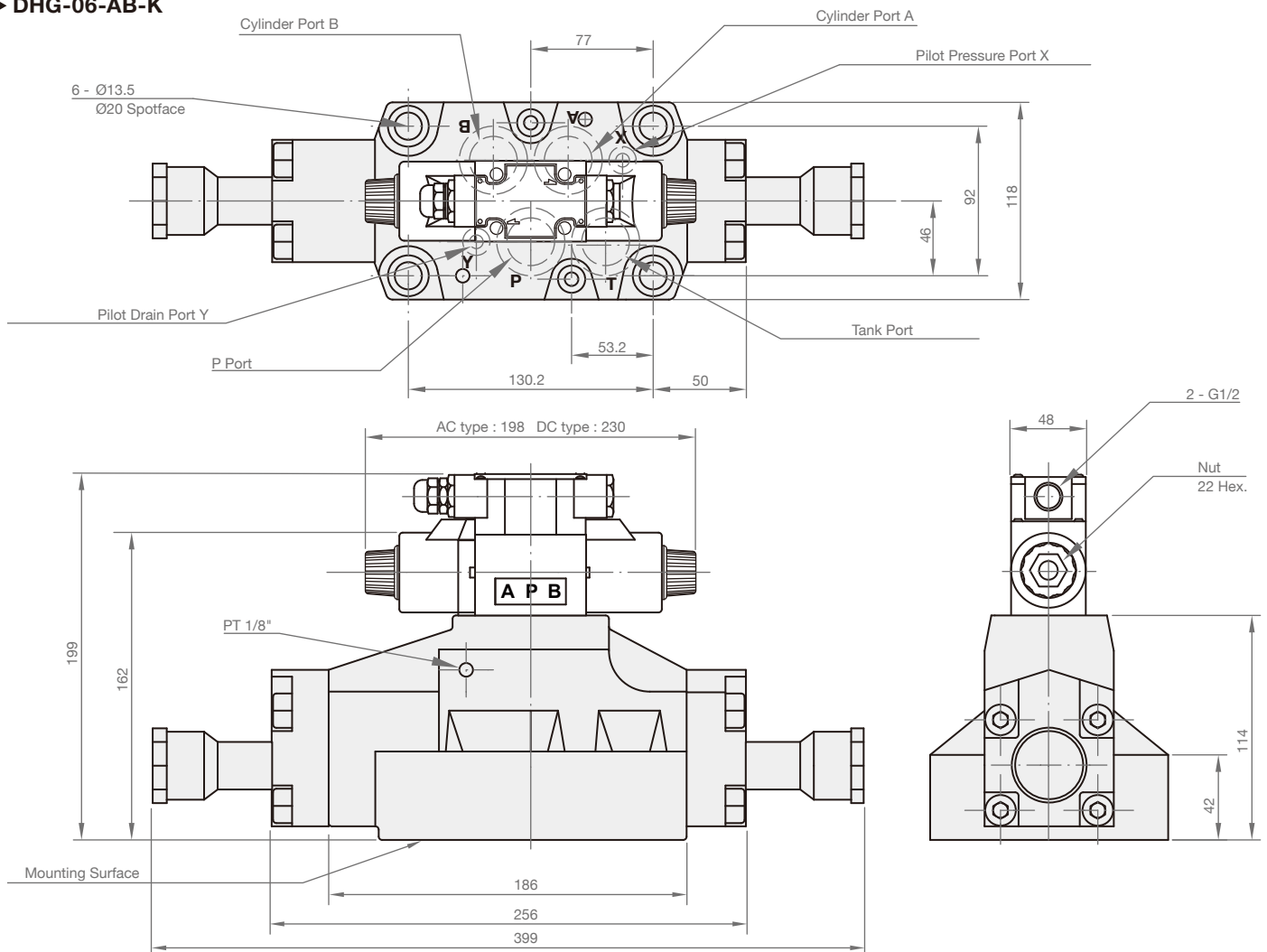
► DHG-04-AB-K



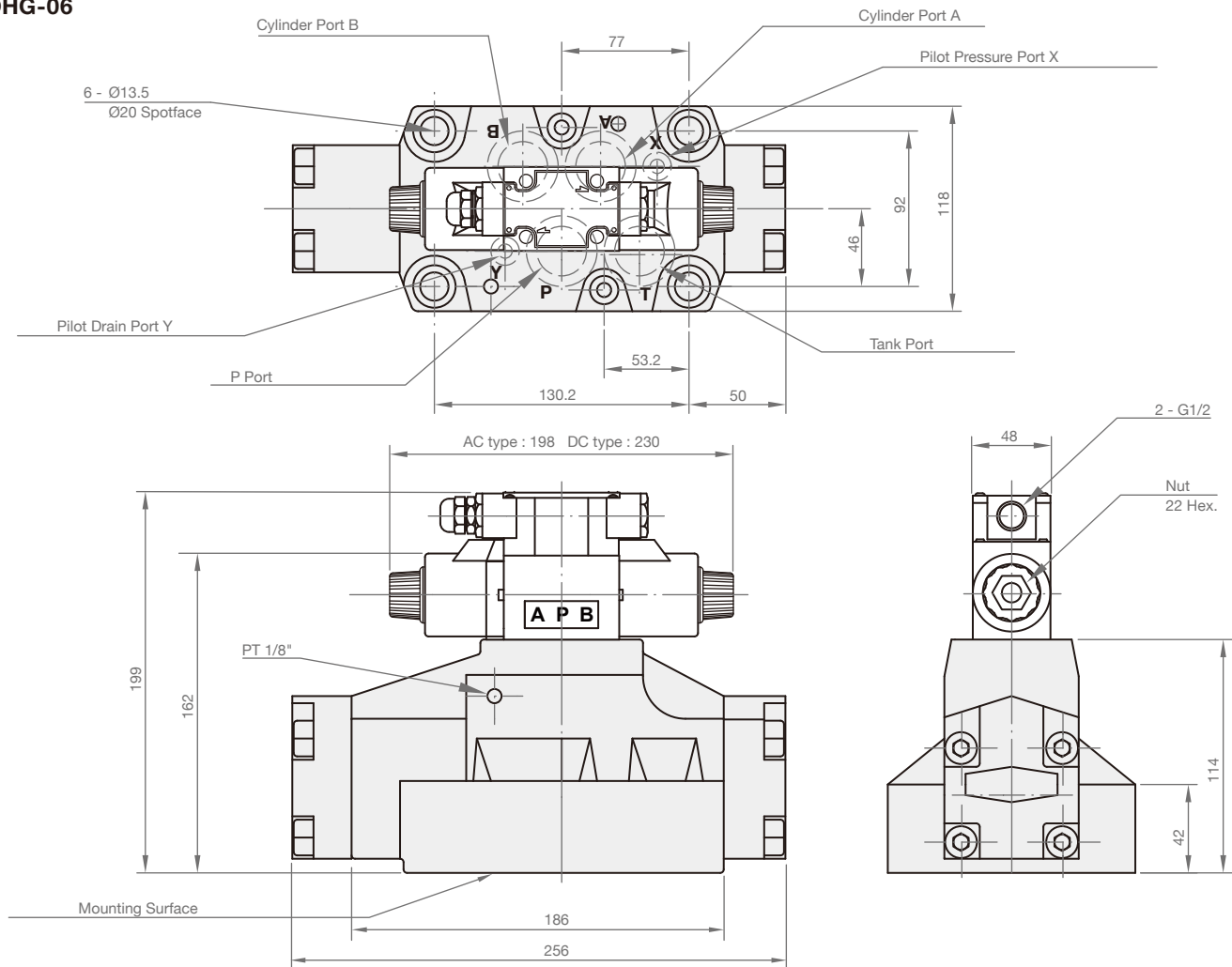
► DHG-04



► DHG-06-AB-K



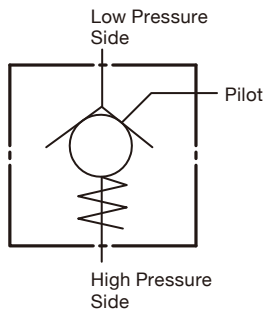
► DHG-06



SVF, SCF



SYMBOLS



ORDER CODES

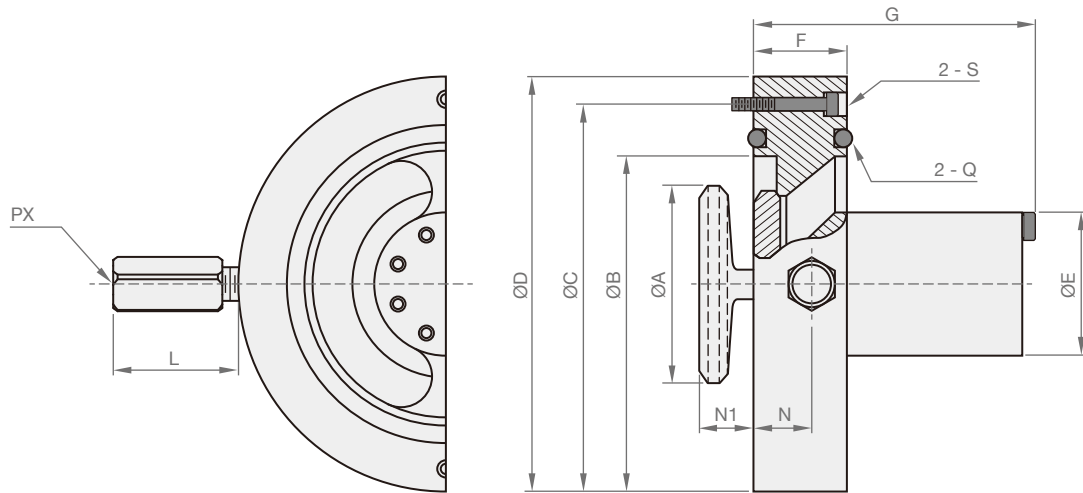
SVF - 100 - 21C

1 2 3

1 ▶	Model Name	SVF	steel
		SCF	casting iron
2 ▶	Size	32, 40, 50, 63, 80, 100, 125, 160, 200, 250	
3 ▶	Design Number	21C	

MODEL SPEC.

Model	Port	Max. Flow (l/min)	Max. Pressure (kgf/cm ²)	Pilot Ratio	Weight (kg)
SVF-32 / SCF-32	2B	160	400 / 250	3.6	1.3
SVF-40	2.5B	250	400	3.6	2.2
SVF-50 / SCF-50	3B	400	400 / 250	4.5	2.9
SVF-63 / SCF-63	3.5B	630	400 / 250	4.4	4.5
SVF-80 / SCF-80	4B	1000	400 / 250	4.6	6.8
SVF-100 / SCF-100	5B	1600	400 / 250	4.6	12.3
SVF-125 / SCF-125	8B	2500	400 / 250	4.5	20.5
SVF-160	10B	4000	400	4.3	40
SVF-200	12B	7000	280	4.3	85
SVF-250	16B	15000	280	4.5	156

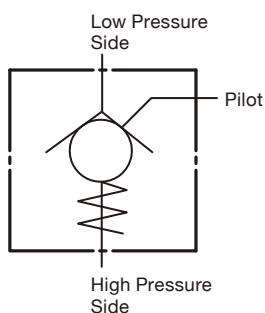


Model	ØA	ØB	ØC	ØD	ØE	F	G	N	N1	L	PX	S Bolts	Q O-ring
SVF-32, SCF-32	34	49	-	82	33	28	70	15	7.5	62	PT 1/4"	-	AS-228
SVF-40	42	56.5	91	108	39	28	76.5	16.5	10	62	PT 1/4"	M4*30	AS-231
SVF-50, SCF-50	53	72	112	128	42	29	91	16	12.5	62	PT 1/4"	M4*30	AS-236
SVF-63, SCF-63	63	87	125	143	50	33.5	105	18.5	16	62	PT 1/4"	M5*35	P95
SVF-80, SCF-80	78	108	150	169	57	38.5	117	24	17	62	PT 1/4"	M5*40	P120
SVF-100, SCF-100	97	130	185	210	70	44	150	29	22	62	PT 1/4"	M6*45	P145
SVF-125, SCF-125	128	170	226	248	89	51	190	35	32	70	PT 3/8"	M6*50	P185
SVF-160	160	220	284	310	120	70	225	50	37	70	PT 3/8"	M8*70	P235
SVF-200	200	272	355	390	145	95	286	65	50	85	PT 1/2"	M10*95	P295
SVF-250	250	350	445	490	177	110	372	70	70	85	PT 1/2"	M12*115	P385

SPF



SYMBOLS



ORDER CODES

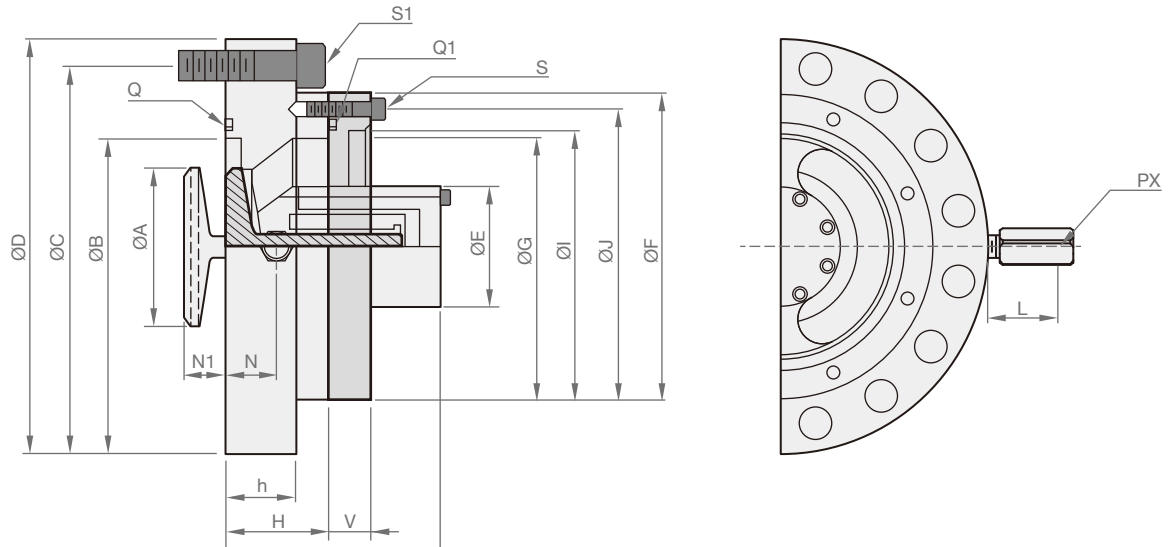
SPF - 100 - 12C

1 2 3

1	Model Name	SPF	steel
2	Size	32, 50, 63, 80, 100, 125, 160, 200, 250	
3	Design Number	12C	

MODEL SPEC.

Model	Port	Replaced Japanese model	Max. Flow (l/min)	Max. Pressure (kgf/cm ²)	Weight (kg)
SPF-32	2B	PF-50	160	400	3.5
SPF-50	3B	PF-80	400	400	9
SPF-63	3.5B	PF-90	630	400	12
SPF-80	4B	PF-100	1000	400	16
SPF-100	5B	PF-125	1600	400	25
SPF-125	6B	PF-150	2500	400	42
SPF-160	8B	PF-200	4000	400	108
SPF-200	12B	PF-300	7000	280	134
SPF-250	14B	PF-350	15000	280	270



Model	ØA	ØB	ØC	ØD	ØE	ØF	ØG	h	H	I	J	K	L
SPF-32	34	48	103.2	130	33	111	51	24	47	61	92	65	62
SPF-50	53	72	146	180	42	142	71	33	65	90.2	120	86	62
SPF-63	63	87	165	200	50	160	88	41	70	101.6	135	101	62
SPF-80	78	106	191	230	57	170	106	40	74	115.5	148	112	62
SPF-100	97	130	230	270	70	200	130	50	85	141.2	175	150	62
SPF-125	128	170	260	298	89	223	160	58	82	167	200	185	70
SPF-160	160	220	367	422	120	310	218	73	105	220	278	224	70
SPF-200	200	280	442	496	145	394	280	88	120	324.5	366	286	85
SPF-250	250	340	515	570	177	462	340	105	140	365.5	429	376	85

Model	N	N1	V	PX	S Bolts	S1 Bolts	Q O-ring	Q1 O-ring
SPF-32	15	7	20	PT 1/4"	4 - M10*35L	4 - M16*45L	AS-228	AS-228
SPF-50	22.5	12.5	23	PT 1/4"	6 - M12*40L	6 - M16*55L	AS-236	G80
SPF-63	27	16	23	PT 1/4"	6 - M12*40L	6 - M18*65L	P95	G100
SPF-80	31	17	23	PT 1/4"	6 - M12*40L	6 - M20*70L	P120	G115
SPF-100	36	22	23	PT 1/4"	6 - M12*40L	12 - M20*80L	P145	G140
SPF-125	43	32	23	PT 3/8"	8 - M12*40L	16 - M20*90L	P185	G170
SPF-160	56	37	43	PT 3/8"	8 - M16*65L	16 - M30*120L	P235	P235
SPF-200	70	50	48	PT 1/2"	10 - M16*70L	20 - M30*130L	P295	P295
SPF-250	81	70	52	PT 1/2"	10 - M16*75L	20 - M30*150L	P360	P360

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