






































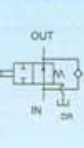
# HYSTAR

REMOTE CONTROL RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT /BSP)
	DG-01-*		2(53)	250(3600)	1/4"
	DT-01-*				
DIRECT TYPE RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT /BSP)
	DG-02-*		10(4.23)	250(3600)	1/4"
	DT-02-*				
REMOTE CONTROL RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT /BSP)
	JRT-02-*		1.2(32)	210(3000)	1/4"
PILOT OPERATED RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT /BSP)
	BG-03-*		100(28.42)	250(3600)	3/8"
	BG-06-*		200(52.84)		3/4"
	BG-10-*		400(105.68)		1-1/4"
	BT-03-*	 Vert Connection	100(28.42)	250(3600)	3/8"
	BT-06-*		200(52.84)		3/4"
	BT-10-*		400(105.68)		1-1/4"
LOW NOISE TYPE PILOT OPERATED RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT /BSP)
	SBG-03-*	 Vert Connection	100(28.42)	250(3600)	3/8"
	SBG-06-*		200(52.84)		3/4"
	SBG-10-*		400(105.68)		1-1/4"





H TYPE PRESSURE CONTROL VALVES		Graphic Symbol	Q max. l/min. (U.S.GPM)	P max. bar(PSI)	Port Size (PT/NPT /BSP)
	HG-03-*		50(13.21)	210(3000)	3/8"
	HG-06-*		125(33.02)		3/4"
	HG-10-*		250(66.05)		1-1/4"
	HT-03-*		50(13.21)		3/8"
	HT-06-*		125(33.02)		3/4"
	HT-10-*		250(66.05)		1-1/4"
HC TYPE PRESSURE CONTROL VALVES		Graphic Symbol	Q max. l/min. (U.S.GPM)	P max. bar(PSI)	Port Size (PT/NPT /BSP)
	HCG-03-*		50(13.21)	210(3000)	3/8"
	HCG-06-*		125(33.02)		3/4"
	HCG-10-*		250(66.05)		1-1/4"
	HCT-03-*		50(13.21)		3/8"
	HCT-06-*		125(33.02)		3/4"
	HCT-10-*		250(66.05)		1-1/4"
PRESSURE REDUCING VALVES		Graphic Symbol	Q max. l/min. (U.S.GPM)	P max. bar(PSI)	Port Size (PT/NPT /BSP)
	RG-03-*		50(13.21)	210(3000)	3/8"
	RG-06-*		125(33.02)		3/4"
	RG-10-*		250(66.05)		1-1/4"
	RT-03-*		50(13.21)		3/8"
	RT-06-*		125(33.02)		3/4"
	RT-10-*		250(66.05)		1-1/4"
PRESSURE REDUCING AND CHECK VALVES		Graphic Symbol	Q max. l/min. (U.S.GPM)	P max. bar(PSI)	Port Size (PT/NPT /BSP)
	RCG-03-*		50(13.21)	210(3000)	3/8"
	RCG-06-*		125(33.02)		3/4"
	RCG-10-*		250(66.05)		1-1/4"
	RCT-03-*		50(13.21)		3/8"
	RCT-06-*		125(33.02)		3/4"
	RCT-10-*		250(66.05)		1-1/4"







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


SOLENOID CONTROLLED RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT/BSPP)
	SRG-03 <sup>1/2</sup>		100(26.42)	250(3600)	3/8"
	SRG-06 <sup>1/2</sup>		200(52.84)		3/4"
	SRG-10 <sup>1/2</sup>		400(105.68)		1-1/4"
	SRG-15 <sup>1/2</sup>		600(158.52)		2"
	SRG-20 <sup>1/2</sup>		800(211.36)		2-1/2"
LOW NOISE TYPE SOLENOID CONTROLLED RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT/BSPP)
	S-03(03) <sup>1/2</sup>		100(26.42)	250(3600)	3/8"
	S-06(06) <sup>1/2</sup>		200(52.84)		3/4"
	S-09(09) <sup>1/2</sup>		400(105.68)		1-1/4"
2PV TYPE SOLENOID CONTROLLED RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT/BSPP)
	SRG-03(2PV) <sup>1/2</sup>		100(26.42)	250(3600)	3/8"
	SRG-06(2PV) <sup>1/2</sup>		200(52.84)		3/4"
	SRG-10(2PV) <sup>1/2</sup>		400(105.68)		1-1/4"
2PN TYPE SOLENOID CONTROLLED RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT/BSPP)
	SRG-03(2PN) <sup>1/2</sup>		100(26.42)	250(3600)	3/8"
	SRG-06(2PN) <sup>1/2</sup>		200(52.84)		3/4"
	SRG-10(2PN) <sup>1/2</sup>		400(105.68)		1-1/4"
3PN TYPE SOLENOID CONTROLLED RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT/BSPP)
	SRG-03(3PN) <sup>1/2</sup>		100(26.42)	250(3600)	3/8"
	SRG-06(3PN) <sup>1/2</sup>		200(52.84)		3/4"
	SRG-10(3PN) <sup>1/2</sup>		400(105.68)		1-1/4"
UNLOADING RELIEF VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT/BSPP)
	RUCC-06 <sup>1/2</sup>		125(33.02)	210(3000)	3/4"
	RUCC-10 <sup>1/2</sup>		250(66.04)		1-1/4"









RESTRICTORS		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT/BSPP)
	SRG-03 <sup>1/2</sup>		30(7.93)	290(3600)	3/8"
	SRG-06 <sup>1/2</sup>		85(22.46)		3/4"
	SRG-10 <sup>1/2</sup>		200(52.84)		1-1/4"
	SRT-03 <sup>1/2</sup>		30(7.93)		3/8"
	SRT-06 <sup>1/2</sup>		85(22.46)		3/4"
	SRT-10 <sup>1/2</sup>		200(52.84)		1-1/4"
ONE WAY RESTRICTORS		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT/BSPP)
	SRCG-03 <sup>1/2</sup>		30(7.93)	200(3600)	3/8"
	SRCG-06 <sup>1/2</sup>		85(22.46)		3/4"
	SRCG-10 <sup>1/2</sup>		200(52.84)		1-1/4"
	SRCT-03 <sup>1/2</sup>		30(7.93)		3/8"
	SRCT-06 <sup>1/2</sup>		85(22.46)		3/4"
	SRCT-10 <sup>1/2</sup>		200(52.84)		1-1/4"
DECELERATION VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/NPT/BSPP)
	CLG-03 <sup>1/2</sup>		30(7.93)	140(2000)	3/8"
	CLG-06 <sup>1/2</sup>		75(19.82)		3/4"
	CLG-10 <sup>1/2</sup>		190(50.20)		1-1/4"
	CLT-03 <sup>1/2</sup>		30(7.93)		3/8"
	CLT-06 <sup>1/2</sup>		75(19.82)		3/4"
	CLT-10 <sup>1/2</sup>		190(50.20)		1-1/4"

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RIGHT ANGLE CHECK VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/INPT aspp)
	CRG-03-1"		40(10.57)	250(3600)	3/8"
	CRG-06-1/2"		125(33.02)		3/4"
	CRG-10-1/2"		250(66.05)		1-1/4"
PILOT CONTROLLED CHECK VALVES DECOMPRESSION TYPE		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/INPT aspp)
	CPOG-03-1"		40(10.57)	250(3600)	3/8"
	CPOG-06-1/2"		125(33.02)		3/4"
	CPOG-10-1/2"		250(66.05)		1-1/4"
	CPDT-03-1"		40(10.57)		3/8"
	CPDT-06-1/2"		125(33.02)		3/4"
	CPDT-10-1/2"		250(66.05)		1-1/4"

MANUALLY OPERATED DIRECTIONAL VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/INPT aspp)
	DMT-03-1/2-10		150(39.42)	210(3024)	3/8"
	DMT-04-1/2-10		250(66.05)		1/2"
	DMT-06-1/2-10		300(79.26)	210(3024)	3/4"
	DMT-08-1/2-10		300(79.26)		1-1/4"
	DMS-01-1/2-20		30(7.57)	250(3600)	1/4"
	DMS-03-1/2-20		100(26.42)		3/8"
CAM OPERATED DIRECTIONAL VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/INPT aspp)
	DCO-01-1/2-10		30(7.57)	210(3024)	1/4"
	DCO-03-1/2-10		100(26.42)		3/8"

PRE-FILL VALVES		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/INPT aspp)
	SG-16		400(105.68)	210(3024)	2"
	SG-24		900(237.70)		3"
	SG-32		1600(422.72)		4"
	SG-48		3200(845.44)		6"
	SVF-32		160(42.27)	400(5800)	2"
	SVF-50		400(105.68)		3"
	SVF-63		630(166.45)		3 1/2"
	SVF-80		1000(264.20)		4"
	SVF-100		1600(422.72)		5"
	SVF-125		2500(660.50)		8"
	SVF-160		4000(1056.80)		10"
	SVF-200		6000(1589.40)		12"

SOLENOID OPERATED FLOW CONTROL VALVE		Graphic Symbol	Q max. lpm (USgpm)	P max. bar(PSI)	Port Size (PT/INPT aspp)
	THF-06		125(33.00)	250(3600)	3/4"
	SD-06		125(33.00)		3/4"
	SD-10		240(63.41)		1-1/4"
	SF-06		125(33.00)		3/4"
	SF-10		240(63.41)		1-1/4"
	SKF-06		125(33.00)		3/4"
	SKF-10		240(63.41)		1-1/4"



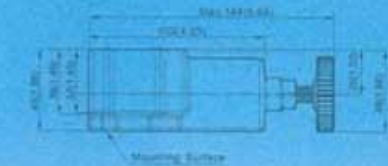


## PRESSURE CONTROL VALVES

### DIMENSIONS

MILLIMETERS(INCHES)

#### DG-01 Remote Control Relief Valves(Sub-Plate Type)

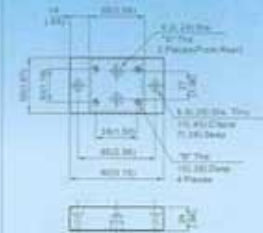


##### Valve Specifications & Attachment

Flow Rating	2 lpm (0.52 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	1.4 (3.1)
CODE 20	M5 X46(g)Kps
CODE 2090	10-34UNCX1-3/4" gKps
Mounting Surface O-Ring P9 x 2 ps	

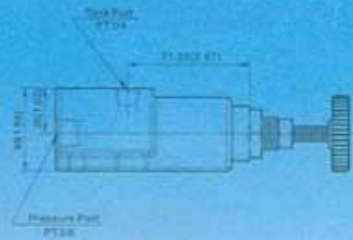


##### DGM-01



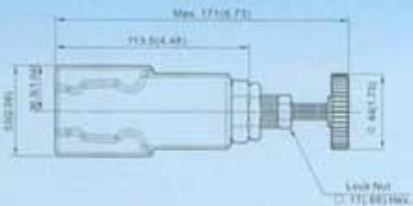
Model	A/Type	B/Port
DGM-A1-20	PT1/4	M5
DGM-A1-2090	NPT1/4	No. 10-34 UNC

#### DT-01 Remote Control Relief Valves(Threaded Type)



##### Valve Specifications & Attachment

Flow Rating	2 lpm (0.52 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	1.6 (3.5)
CODE 20	1/4 PT
CODE 2090	1/4 NPT

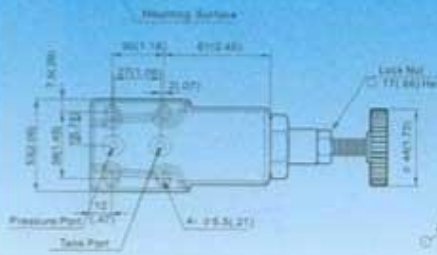
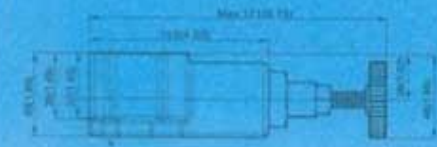


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## DIMENSIONS

## MILLIMETERS(INCHES)

### DG-02 Direct Type Relief Valves(Sub-Plate Type)



**Valve Specifications & Attachment**

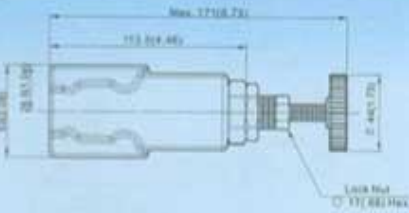
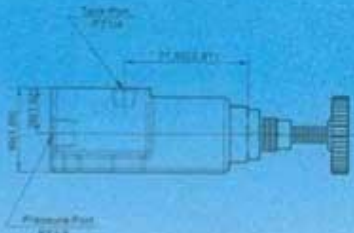
Flow rating	16 lpm (4.22 gpm)
Max. Pressure	250 bar (3650 psi)
Weight (kg/lbs.)	1.5 (3.3)
CODE 20	M8 x45Lg.4mm
CODE 2090	10-24UNCx1.5x17Lg.34mm
Mounting Surface O-Ring 9.5 x 2.0	



Model	A-Size	B-Size
DG-02-20	PT1/4	M8
DG-02-2090	NPT1/4	Hex 10-24 UNC



### DT-02 Direct Type Relief Valves(Threaded Type)



**Valve Specifications & Attachment**

Flow rating	16 lpm (4.22 gpm)
Max. Pressure	250 bar (3650 psi)
Weight (kg/lbs.)	1.5 (3.3)
CODE 20	1/4 PT
CODE 2090	1/4 NPT





## PRESSURE CONTROL VALVES

DIMENSIONS

MILLIMETERS(INCHES)

### BG-03-06-10 Pilot Operated Relief Valves(Sub-Plate Type)

Model	BT-03	BT-06	BT-10
Flow Rating	100 gpm (26.4 gpm)	200 gpm (51.8 gpm)	400 gpm (104 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)	250 bar (3600 psi)
Height (globe)	4.7 (16.4)	6.6 (21.3)	6.7 (21.3)
CODE-03	3/4 PT	3/4 PT	1/2 IN PT
CODE-06	3/4 NPT	3/4 NPT	1/2 IN NPT
CODE-10	3/4 NPT	3/4 NPT	1/2 IN NPT
Surface Finishing	P30/P10	P30/P10	P30/P10
ISO Mounting	Q364-45-03-0-A	Q364-45-06-0-A	Q364-45-10-0-A

Model	A	B	C	D	E	F	G	H	I	J	K	L
BG-03	117(4.60)	75.5(2.97)	21.5(0.84)	83(3.26)	41.5(1.63)	14.5(0.57)	78(3.07)	77.5(3.05)	58.5(2.30)	136(5.35)	41(1.61)	146(5.74)
BG-06	145(5.70)	87.5(3.44)	5.5(0.21)	104(4.09)	52(2.04)	17(0.66)	78(3.07)	60(2.36)	40(1.57)	164(6.45)	41(1.61)	146(5.74)
BG-10	175(6.88)	106(4.17)	8(0.31)	120(4.92)	62.5(2.46)	21(0.83)	90(3.54)	69.5(2.73)	49.5(1.94)	195(7.67)	48(1.81)	155(6.10)

### BT-03-06-10 Pilot Operated Relief Valves(Threaded Type)

Model	BT-03	BT-06	BT-10
Flow Rating	100 gpm (26.4 gpm)	200 gpm (51.8 gpm)	400 gpm (104 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)	250 bar (3600 psi)
Height (globe)	6.7 (21.3)	8.3 (26.7)	8.3 (26.7)
CODE-03	3/4 PT	3/4 PT	1/2 IN PT
CODE-06	3/4 NPT	3/4 NPT	1/2 IN NPT
CODE-10	3/4 NPT	3/4 NPT	1/2 IN NPT
Surface Finishing	P30/P10	P30/P10	P30/P10
ISO Mounting	Q364-45-03-0-A	Q364-45-06-0-A	Q364-45-10-0-A

Model	A	B	C	D	E	F	G	H
BT-03	77(3.03)	38.5(1.51)	132(5.19)	31.5(1.24)	123(4.84)	42(1.65)	65(2.55)	42(1.65)
BT-06	102(4.01)	51(2.00)	145(5.51)	39(1.53)	132(5.19)	52(2.04)	62(2.44)	52(2.04)
BT-10	140(5.51)	70(2.75)	182(7.16)	48(1.89)	191(7.51)	84(3.30)	86(3.38)	82(3.22)

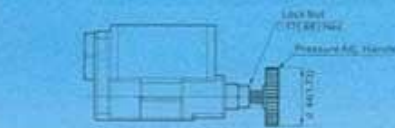


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## DIMENSIONS

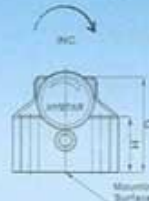
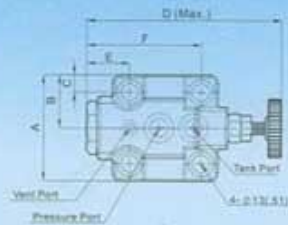
## MILLIMETERS(INCHES)

### DBG-03 Pilot Operated Relief Valves(Sub-Plate Type)



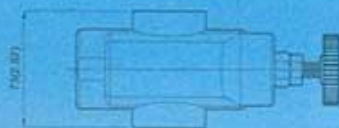
#### Valve Specifications & Attachments

Model	DBG-03-20	DBG-03-30
Flow Rating	40 lpm (10.5 gpm)	40 lpm (10.5 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)
Weight kg(lbs.)	3 (6.6)	3.5 (7.7)
CODE 20	M10X55Lg4pc	M10X55Lg4pc
CODE 200C	3/8" NUNCS-104gk100	3/8" NUNCS-104gk100
Surface Q-Ring	P9X1pc, P18X2pc	P9X1pc, P18X2pc



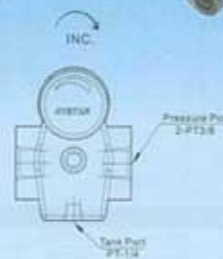
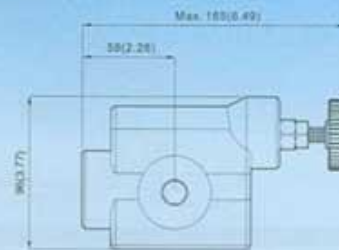
Model	A	B	C	D	E	F	G	H
DBG-03-20	80(3.14)	40(1.57)	13(.51)	147(5.78)	66(2.58)	32(1.25)	72(2.83)	42(1.65)
DBG-03-30	80(3.14)	40(1.57)	13(.51)	160(6.29)	69(2.71)	35(1.37)	87(3.42)	42(1.65)

### DBT-03 Pilot Operated Relief Valves(Threaded Type)



#### Valve Specifications & Attachments

Model	DBT-03
Flow Rating	40 lpm (10.5 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	3 (6.6)
CODE 20	3/8" PT
CODE 200C	3/8" NPT





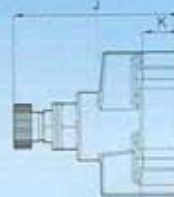
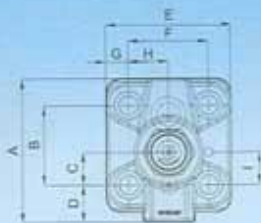
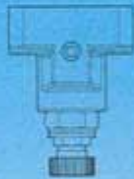
## PRESSURE CONTROL VALVES

DIMENSIONS

MILLIMETERS(INCHES)

**HBG-03-06**

Pilot Operated Relief Valves(Sub-Plate Type) High Pressure-315 bar



■ Valve Specifications & Attachment

Model	HBG-03	HBG-06
Flow Rating	100 lpm (26.4 gpm)	200 lpm (52.8 gpm)
Max. Pressure	315 bar (4500 psi)	315 bar (4500 psi)
Weight (kg/lb.)	2.5 (5.5)	3 (6.6)
CODE-20	M12X45LgX4pcs	M16X45LgX4pcs
CODE-2090	10-DUNCKI-34gX4pcs	56-TUNCKI-34gX4pcs
Surface O-Ring	P8X1pc; P20X2pc	P8X1pc; P20X2pc



Model	A	B	C	D	E	F	G	H	I	J	K
HBG-03	87(3.81)	53.8(2.11)	22(86)	25.1(98)	84(3.30)	53.8(2.11)	15(59)	26.9(1.06)	22(86)	118(4.64)	26(1.02)
HBG-06	115(4.52)	66.5(2.61)	11(43)	33.5(1.31)	100(3.93)	70(2.75)	15(59)	35(1.37)	33.5(1.31)	118(4.64)	24(94)

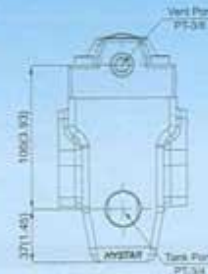
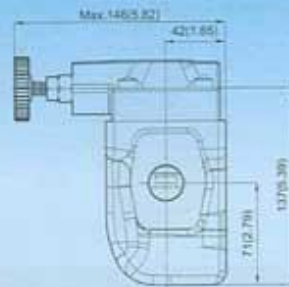
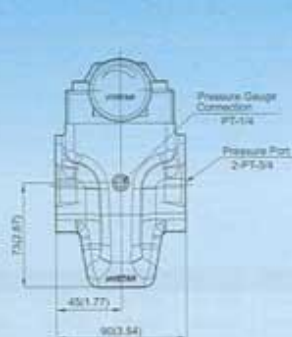
**HBT-06**

Pilot Operated Relief Valves(Threaded Type) High Pressure-315 bar



■ Valve Specifications & Attachment

Model	HBT-06
Flow Rating	125 lpm (26.4 gpm)
Max. Pressure	315 bar (4500 psi)
Weight (kg/lb.)	5.2 ( )
CODE-20	3/4" PT
CODE-2090	3/4" NPT





# HYSTAR

DIMENSIONS

MILLIMETERS(INCHES)

## SBG-03-06-10 Low Noise Type Pilot Operated Relief Valves(Sub-Plate Type)

Pressure Adj. Handle  
 Lock Nut  
 O-17(48)max  
 7.4(1.7)

G (Max)  
 E  
 F  
 D  
 H  
 I  
 J  
 K  
 L  
 Tank Port  
 Pressure Port  
 Vent Port  
 A=17.5(85)

INC  
 X  
 Mounting Surface

Valve Specifications & Attachment

Model	SBG-03	SBG-06	SBG-10
Flow Rating	100 lpm (26.4 gpm)	200 lpm (52.8 gpm)	400 lpm (106 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)	250 bar (3600 psi)
Weight (kg/lb.)	9 (19.8)	6.2 (13.8)	6.5 (14.3)
CODE 20	M12X40Lg/Max	M16X50Lg/Max	M20X60Lg/Max
CODE 20B	10 (10)mm/14g/Max	16 (16)mm/20g/Max	20 (20)mm/28g/Max
Surface O-Ring	P34Tpc, P20K2pc	P10A1Tpc, P20K2pc	P10A1Tpc, P20K2pc
ISO Mounting	K284-AR-06-2-A	K284-AS-06-2-A	K284-AT-10-2-A

Model	A	B	C	D	E	F	G	H	I	J	K	L
SBG-03	76(3.07)	54(2.12)	27(1.06)	12(4.7)	34.5(1.35)	54(2.12)	165(6.49)	107(4.21)	26.5(1.04)	23(9.0)	134(5.27)	106(4.25)
SBG-06	100(3.93)	70(2.78)	35(1.37)	15(5.8)	23.5(9.2)	67(2.63)	167(6.57)	124(4.88)	23.5(9.2)	26(1.02)	136(5.35)	106(4.25)
SBG-10	127(5.00)	82.6(3.25)	41.3(1.62)	22.2(8.7)	20.5(8.0)	89(3.50)	185(7.28)	155(6.10)	20.5(8.0)	36(1.41)	145(5.70)	120(4.72)

## BRG-03-06-10 Back Valve(Sub-Plate Type)

Lock Nut  
 O-17(48)Max  
 Pressure Adj. Handle  
 Adjustable in other 2 angle position

Pressure Gauge Connection  
 PT-14  
 Pressure Port  
 4-17.5(85)  
 Tank Port  
 L (Max)  
 9.4(1.75)  
 X  
 H  
 Mounting Surface

Valve Specifications & Attachment

Model	BRG-03	BRG-06	BRG-10
Flow Rating	40 lpm (10.5 gpm)	100 lpm (26.4 gpm)	200 lpm (52.8 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)	250 bar (3600 psi)
Weight (kg/lb.)	7.5 (16.5)	11 (24.2)	19 (41.8)
CODE 20	M12 X130g/Max M16 X140g/Max	M16 X130g/Max M18 X140g/Max	M18 X150g/Max M20 X160g/Max
CODE 20B	10 (10)mm/14g/Max 16 (16)mm/20g/Max	16 (16)mm/20g/Max 20 (20)mm/28g/Max	20 (20)mm/28g/Max 25 (25)mm/35g/Max
Surface O-Ring	P34Tpc, P20K2pc	P10A1Tpc, P20K2pc	P10A1Tpc, P20K2pc
ISO Mounting	K284-AR-06-2-A	K284-AS-06-2-A	K284-AT-10-2-A

Model	A	B	C	D	E	F	G	H	I	J	K	L
BRG-03	122(4.80)	80.5(3.16)	21.5(8.4)	25.8(1.04)	84(3.30)	42(1.65)	15.1(5.9)	118(4.64)	118(4.64)	99(3.89)	141(5.55)	187(7.36)
BRG-06	145(5.70)	87.5(3.44)	5.5(2.1)	20.5(8.0)	104(4.09)	52(2.04)	17(6.6)	140(5.51)	122(4.80)	102(4.01)	164(6.45)	209(8.22)
BRG-10	181(7.12)	112.5(4.42)	8(3.1)	23.5(9.2)	125(4.92)	62(2.46)	21.2(8.3)	156(6.14)	143(5.62)	123(4.84)	202(7.95)	228(8.97)

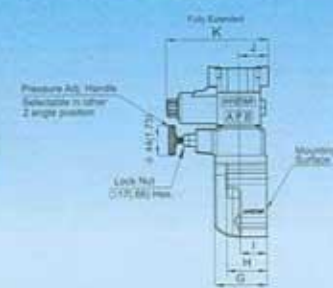
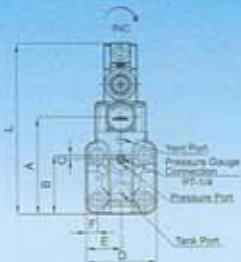


# PRESSURE CONTROL VALVES

DIMENSIONS

MILLIMETERS(INCHES)

## BSG-03-06-10 Solenoid Controlled Relief Valves(Sub-Plate Type)



■ Valve Specifications & Attachment

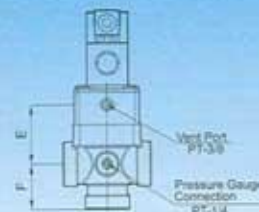
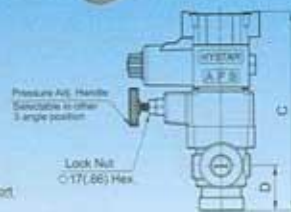
Model	BSG-03	BSG-06	BSG-10
Flow Rating	100 gpm (28.4 gpm)	200 gpm (57.8 gpm)	400 gpm (109 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)	250 bar (3600 psi)
Weight (kg/lb)	7.1 (15.6)	8.9 (17.6)	11.3 (24.9)
CODE-01	Ø1 (10) gpm	Ø1 (10) gpm	Ø1 (10) gpm
CODE-02	Ø1 (10) gpm	Ø1 (10) gpm	Ø1 (10) gpm
Surface G-Reg	P100/10, P200/20	P100/10, P200/20	P100/10, P200/20
ISO Mounting	ISO-AR-03.2.A	ISO-AR-06.2.A	ISO-AR-10.2.A



■ Dimensions for models with Din connector, reference page 14 for details.

Model	A	B	C	D	E	F	G	H	I	J	K	L
BSG-03	117(4.60)	75.5(2.97)	21.5(0.84)	83(3.26)	41.5(1.63)	14.5(0.57)	78(3.07)	77.5(3.05)	55.5(2.20)	45(1.77)	153(6.02)	226(8.89)
BSG-06	145(5.70)	87.5(3.44)	5.5(0.21)	104(4.09)	52(2.04)	17(0.66)	78(3.07)	60(2.36)	40(1.57)	45(1.77)	153(6.02)	256(10.0)
BSG-10	175(6.88)	106(4.17)	8(0.31)	125(4.92)	62.5(2.46)	21.2(0.83)	90(3.54)	69.5(2.73)	49.5(1.94)	50(1.96)	153(6.02)	285(11.2)

## BST-03-06-10 Solenoid Controlled Relief Valves(Threaded Type)



■ Valve Specifications & Attachment

Model	BST-03	BST-06	BST-10
Flow Rating	100 gpm (28.4 gpm)	200 gpm (57.8 gpm)	400 gpm (109 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)	250 bar (3600 psi)
Weight (kg/lb)	7.4 (16.3)	7.4 (16.3)	11.1 (24.5)
CODE-01	Ø8 PT	Ø8 PT	Ø1.18 PT
CODE-02	Ø8 NPT	Ø8 NPT	Ø1.18 NPT



■ Dimensions for models with Din connector, reference page 14 for details.

Model	A	B	C	D	E	F
BST-03	102(4.01)	51(2.00)	230(9.05)	52(2.04)	66(2.67)	52(2.04)
BST-06	120(4.72)	51(2.00)	230(9.05)	52(2.04)	66(2.67)	52(2.04)
BST-10	140(5.51)	70(2.75)	284(11.1)	84(3.30)	86(3.38)	82(3.22)



# HYSTAR®

## DIMENSIONS

## MILLIMETERS(INCHES)

**BSG-03-06-10-2P**

**Solenoid Controlled Relief Valves-Dual Pressure (Sub-Plate Type)**

Valve Specifications & Attachment			
Model	BSG-03	BSG-06	BSG-10
Flow Rating	100 lpm (26.4 gpm)	200 lpm (52.8 gpm)	400 lpm (106 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)	250 bar (3600 psi)
Height Applicable	7.1 (18.4)	9.0 (17.8)	11.3 (24.8)
CODE-03	613 400 g/line	613 800 g/line	613 1600 g/line
CODE-06	12 16000 10 g/line	12 16000 20 g/line	12 16000 40 g/line
Surface O-Ring	P3873L, P2502pl	P158273L, P2582pl	P158273L, P2582pl
ISO Mounting	5264-AS-06-2-A	6264-AS-06-2-A	6264-AT-10-2-A

■ Dimensions for models with Din connector, reference page 14 for details.

Model	A	B	C	D	E	F	G	H	I	J
BSG-03-2P	224(8.81)	75.5(2.97)	83(3.26)	41.5(1.63)	14.5(.57)	70(2.75)	77.5(3.05)	40(1.57)	41(1.61)	146(5.74)
BSG-06-2P	251.5(9.90)	87.5(3.44)	104(4.09)	52(2.04)	17(.66)	78(3.07)	80(2.36)	40(1.57)	41(1.61)	146(5.74)
BSG-10-2P	288.5(11.3)	106(4.17)	125(4.92)	62.5(2.46)	21.3(.83)	83(3.26)	89.5(2.73)	49.5(1.94)	46(1.81)	200(11.0)

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**SBSG-03-06-10**

**Low Noise Type Solenoid Controlled Relief Valves(Sub-Plate Type)**

Valve Specifications & Attachment			
Model	SBSG-03	SBSG-06	SBSG-10
Flow Rating	100 lpm (26.4 gpm)	200 lpm (52.8 gpm)	400 lpm (106 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)	250 bar (3600 psi)
Height Applicable	6.3 (15.5)	7.2 (15.5)	10.7 (26.5)
CODE-03	613 400 g/line	613 800 g/line	613 1600 g/line
CODE-06	12 16000 10 g/line	12 16000 20 g/line	12 16000 40 g/line
Surface O-Ring	P3873L, P2502pl	P158273L, P2582pl	P158273L, P2582pl
ISO Mounting	5264-AS-06-2-A	6264-AS-06-2-A	6264-AT-10-2-A

■ Dimensions for models with Din connector, reference page 14 for details.

Model	A	B	C	D	E	F	G	H	I	J	K
S-BSG-03	78(3.07)	54(2.12)	27(1.06)	12(.47)	34.5(1.35)	54(2.12)	169(6.65)	107(4.21)	26.5(1.04)	23(.90)	222(8.74)
S-BSG-06	100(3.93)	70(2.75)	38(1.37)	15(.59)	23.5(.92)	67(2.63)	171(6.73)	124(4.88)	23.5(.92)	26(1.02)	224(8.81)
S-BSG-10	127(5.00)	82.6(3.25)	41(1.61)	22.2(.87)	20.5(.80)	86(3.35)	190(7.48)	156(6.10)	20.5(.80)	36(1.41)	273(10.7)

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## PRESSURE CONTROL VALVES

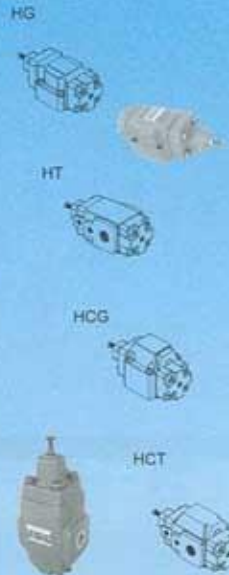
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**HC - T - 03 - C - 3 - 20**





Series No	Type of Mounting	Valve Size	Pressure Range	Valve Type	Design No
H: H Type Pressure Control Valves HG/HT	G Subplate Mounting 	03: (3/8") ISO 5781-AG-06-2-A	L: 2.5-4.5 bar (35-65 PSI) M: 4.5-9 bar (65-125 PSI) N: 9-18 bar (125-250 PSI)	Type 1: Counterbalance Valve Internal Pilot-Internal Drain	20 (G) DIN 912 bolts 
HC: HC Type Pressure Control Valves HCG/HCT	T Threaded Connection 	06: (3/4") ISO 5781-AG-08-2-A	A: 18-35 bar (250-500 PSI) B: 35-70 bar (500-1000 PSI) C: 70-140 bar (1000-2000 PSI) H: 140-210 bar (2000-3000 PSI)	Type 2: Sequence and Check Valve Internal Pilot-External Drain 	2090 (G) UNC bolts (North America) 
		10: (1-1/4") ISO 5781-AJ-10-2-A		Type 3: Sequence and Check Valve External Pilot-External Drain 	20 (T) PT Connection PT 
				Type 4: Counterbalance Valve External Pilot-Internal Drain 	2090 (T) NPT Connection (North America) NPT 



SYMBOL



MODEL	DESCRIPTION	PAGE
HG-03-06-10	H Type Pressure Control Valves(Sub-Plate Type)	257
HT-03-06-10	H Type Pressure Control Valves(Threaded Type)	257
HCG-03-06-10	HC Type Pressure Control Valves(Sub-Plate Type)	258
HCT-03-06-10	HC Type Pressure Control Valves(Threaded Type)	258

Valve Size	Type 1	Type 2	Type 3	Type 4
Description	Counterbalance Valve Internal Pilot-Internal Drain	Sequence and Check Valve Internal Pilot-External Drain	Sequence and Check Valve External Pilot-External Drain	Counterbalance Valve External Pilot-Internal Drain
& Symbol				

# HYSTAR

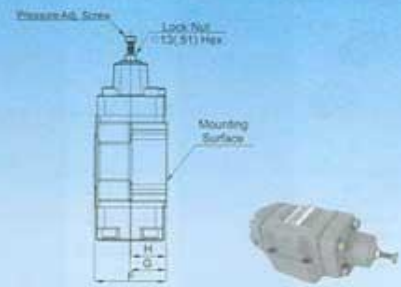
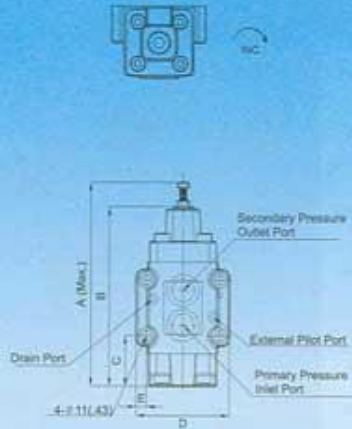
## DIMENSIONS

## MILLIMETERS(INCHES)

### HG-03-06-10 H Type Pressure Control Valves(Sub-Plate Type)

#### Valve Specifications & Attachment

Model	HG-03	HG-06	HG-10
Flow Rating	30 gpm (11.2 gpm)	120 gpm (45 gpm)	200 gpm (76 gpm)
Max. Pressure	210 bar (3000 psi)	210 bar (3000 psi)	210 bar (3000 psi)
Weight (kg/lb)	4.2 (9.3)	6.1 (13.4)	11.3 (24.9)
COOL-30	M16x1.5mm	M16x1.5mm	M16x1.5mm
COOL-200	M16x1.5mm	M16x1.5mm	M16x1.5mm
Surface (Drilling)	PTC03c, P1602b	PTC03c, P1602b	PTC03c, P1602b
ISO Mounting	571-AS-36-2.4	571-AS-36-2.4	571-AJ-14-2.4

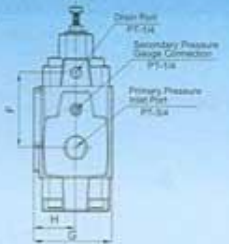
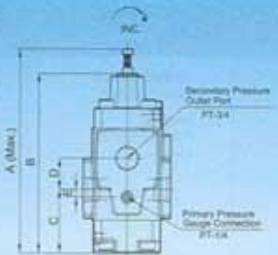
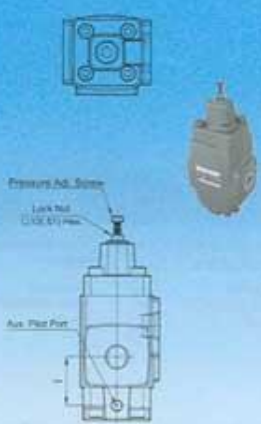


Model	A	B	C	D	E	F	G	H	I	J
HG-03	192(7.55)	158(6.21)	50.6(1.99)	89(3.50)	11.2(.44)	89(2.71)	42(1.65)	25(1.37)	13(.51)	13(.51)
HG-06	223(8.77)	196(7.71)	60(2.36)	102(4.01)	11.3(.44)	79(3.11)	40(1.57)	39(1.53)	13(.51)	13(.51)
HG-10	266(10.4)	239(9.40)	65(2.55)	119(4.68)	11(.43)	96(3.77)	48.5(1.90)	40(1.57)	5(.19)	17(.66)

### HT-03-06-10 H Type Pressure Control Valves(Threaded Type)

#### Valve Specifications & Attachment

Model	HT-03	HT-06	HT-10
Flow Rating	30 gpm (11.2 gpm)	120 gpm (45 gpm)	200 gpm (76 gpm)
Max. Pressure	210 bar (3000 psi)	210 bar (3000 psi)	210 bar (3000 psi)
Weight (kg/lb)	3.7 (8.2)	4.2 (9.3)	12.0 (26.6)
COOL-30	3/8 PT	3/8 PT	1/2 PT
COOL-200	3/8 NPT	3/8 NPT	1/2 NPT



Model	A	B	C	D	E	F	G	H	I	J	K	L
HT-03	192(7.55)	167.5(6.59)	58(2.28)	30(1.18)	0	89(2.71)	74(2.91)	41.5(1.63)	45(1.77)	13(.51)	13(.51)	1/8
HT-06	223(8.77)	156(7.71)	69(2.71)	34(1.33)	8(.31)	82(3.22)	56(3.38)	46(1.81)	53(2.09)	13(.51)	13(.51)	1/4
HT-10	266(10.4)	239(9.40)	87(3.42)	41(1.61)	11(.43)	96(3.77)	110(4.33)	85(3.35)	68(2.67)	5(.19)	17(.66)	1/4



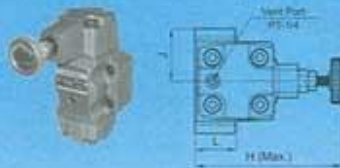


## PRESSURE CONTROL VALVES

DIMENSIONS

MILLIMETERS(INCHES)

### RG-03-06 Pressure Reducing Valves(Sub-Plate Type)

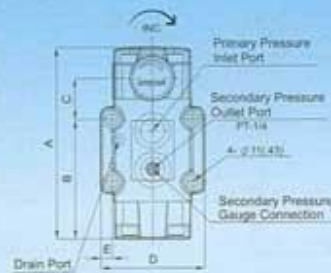
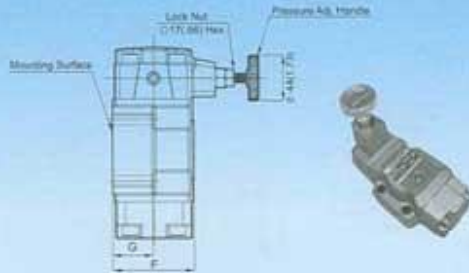


#### Valve Specifications & Attachment

Model	RG-03	RG-06
Flow Rating	60 lpm (13.2 gpm)	125 lpm (33 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)
Weight (kg/lbs.)	4.5 (9.9)	6.8 (15.0)
CODE 20	M16 ISO 228/1-1/2	M18 ISO 228/1-1/2
CODE 2090	3/8" NPT	1/2" NPT
Surface O-Ring	P301pc, P18X2pc	P30X2pc, P25X2pc
ISO Mounting	3781-AG-06-2-A	3781-AH-06-2-A



SYMBOL



Model	A	B	C	D	E	F	G	H	I	J
RG-03	159(6.25)	93.5(3.68)	40.5(1.59)	89(3.50)	11.2(.44)	69(2.71)	42(1.65)	145.5(5.72)	43(1.69)	44.5(1.75)
RG-06	186(7.32)	116.5(4.58)	40(1.57)	102(4.01)	11.3(.44)	79(3.11)	39(1.53)	143(5.62)	40(1.57)	51(2.00)

### RT-03-06 Pressure Reducing Valves(Threaded Type)

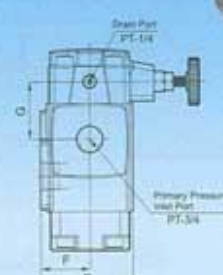
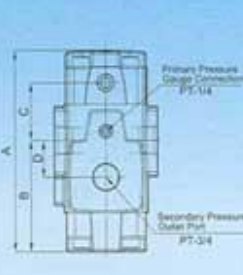
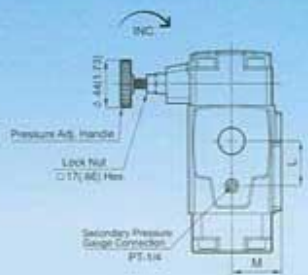


#### Valve Specifications & Attachment

Model	RT-03	RT-06
Flow Rating	60 lpm (13.2 gpm)	125 lpm (33 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)
Weight (kg/lbs.)	4.3 (9.5)	6.9 (15.2)
CODE 20	3/8" PT	1/2" PT
CODE 2090	3/8" NPT	1/2" NPT



SYMBOL



Model	A	B	C	D	E	F	G	H	I	J	K	L	M
RT-03	159(6.25)	86(3.38)	48(1.88)	30(1.18)	74(2.91)	41.5(1.63)	47(1.85)	151(5.94)	42(1.65)	80(3.14)	40(1.57)	30(1.18)	41.5(1.63)
RT-06	186(7.32)	103(4.05)	53(2.08)	34(1.33)	86(3.38)	48(1.81)	53(2.08)	148.5(5.84)	48(1.81)	96(3.77)	48(1.88)	42(1.65)	46(1.81)



# HYSTAR

## DIMENSIONS

## MILLIMETERS(INCHES)

### RCG-03-06 Pressure Reducing with Check Valves(Sub-Plate Type)

**Valve Specifications & Attachment**

Model	RCG-03	RCG-06
Flow Rating	50 gpm (13.2 gpm)	125 gpm (33 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)
Weight kg(lbs.)	5.4 (11.8)	8.1 (17.8)
CODE 20	M10 X1.5gH/m	M10 X1.5gH/m
CODE 2090	3/8-16UNC-3H/gH/m	3/8-16UNC-3H/gH/m
Surface O-Ring	P301pc, P15X2pc	P5K2pc, P25K2pc
ISO Mounting	S781-AG-06-2A	S781-AH-06-2A

Model	A	B	C	D	E	F	G	H	I	J
RCG-03	158.5(6.24)	93.5(3.68)	40.5(1.59)	89(3.50)	11.2(.44)	90(3.54)	58(2.28)	144.5(5.68)	59(2.32)	44.5(1.75)
RCG-06	186(7.32)	118.5(4.58)	40(1.57)	102(4.01)	11.3(.44)	104(4.09)	68(2.67)	142.5(5.61)	69(2.71)	51(2.00)

### RCT-03-06 Pressure Reducing with Check Valves(Threaded Type)

**Valve Specifications & Attachment**

Model	RCT-03	RCT-06
Flow Rating	50 gpm (13.2 gpm)	125 gpm (33 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)
Weight kg(lbs.)	4.8 (10.6)	7.8 (17.2)
CODE 20	3/8" PT	3/4" PT
CODE 2090	3/8" NPT	3/4" NPT

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
RCT-03	158.5(6.24)	48(1.88)	85(3.38)	30(1.18)	95(3.74)	41.5(1.63)	47(1.85)	151(5.94)	41.5(1.63)	15.5(.61)	80(3.14)	40(1.57)	30(1.18)	41.5(1.63)
RCT-06	186(7.32)	53(2.08)	103(4.05)	34(1.33)	111(4.37)	46(1.81)	53(2.08)	148.5(5.84)	46(1.81)	22.5(.88)	96(3.77)	48(1.88)	41.5(1.63)	46(1.81)



## PRESSURE CONTROL VALVES

DIMENSIONS

MILLIMETERS(INCHES)

### Unloading Relief Valves(Sub-Plate Type) BUCG-06 Series

■ Ordering Code

**BUC - G - 06 - B - 20**

Series No	Type of Mounting	Valve Size	Pressure Range	Design No
BUC Unloading Relief Valve	Sub-plate Mounting	06 (3/4")	0-250 bar (0-3600 PSI)	20 (2) Only 1/2 bolts
		10 (1 1/4")	0-350 bar (0-5000 PSI)	2090 (2) UNC bolts (North America)
		16 (1 1/2")	0-500 bar (0-7200 PSI)	



BUCG-06



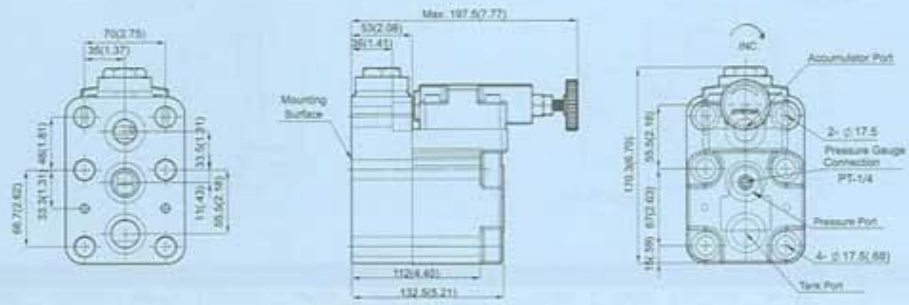
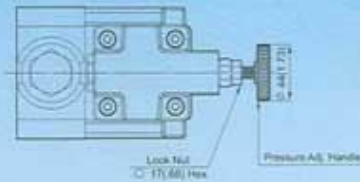
BUCG-10



### BUCG-06 Unloading Relief Valves(Sub-Plate Type)

■ Valve Specifications & Attachment

Model	BUCG-06
Flow Rating	125 gpm (33 gpm)
Max. Pressure	250 bar (3600 psi)
Weight (kg/lb.)	12 (26.4)
CODE 20	010 330 g/20ps 010 610 g/20ps 010 810 g/20ps
CODE 2090	08 110000-110 g/20ps 08 110000-130 g/20ps 08 110000-150 g/20ps
Surface O-Ring	P581pc, P2902pc



# HYSTAR®

## DIMENSIONS

## MILLIMETERS(INCHES)

Check Valves (Right Angle)-Subplate Type  
 CRG Series (Design 20 and 50)

■ Ordering Code

CR - G - 03 - 50 - 20

Series No.	Type of Mounting	Valve Size	Pressure Range	Design No.
CR Right Angle Check Valve	20 Right Mounting	10 (3/8") ISO S71-AG-2-A	14-14 bar (20-20 PSI)	20 (2) DN 812 balls
		16 (5/8") ISO S71-AG-2-A	20-20 bar (30-30 PSI)	20(2) LNC balls (North America)
		18 (1 1/8") ISO S71-AJ-2-A	20-20 bar (30-30 PSI)	10 (2) DN 812 balls
				20(2) LNC balls (North America)

CRG-06-<sup>+</sup>-20



CRG-06-<sup>+</sup>-50

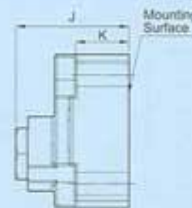
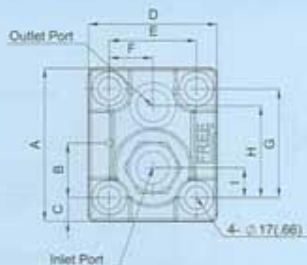
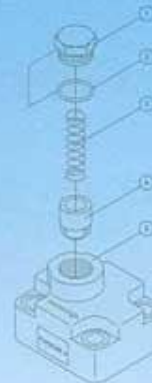


■ Valve Specifications & Attachment

Model	CRG-03	CRG-06	CRG-10
Flow Rate	10 lpm (2.7 gpm)	40 lpm (11 gpm)	200 lpm (52.9 gpm)
Max. Pressure	20 bar (300 psi)	20 bar (300 psi)	20 bar (300 psi)
Weight (kg/lb)	2.14 (4)	4 (9.0)	8 (17.6)
CODE-01	ISO 100/100mm	ISO 100/100mm	ISO 100/100mm
CODE-02	---	---	---
Surface O-Ring	P20N20r	P20N20r	P100N20r
ISO Mounting	---	---	---

CRG-03-06-10

Design No: 20



Model	A	B	C	D	E	F	G	H	I	J	K
CRG-03	80(3.14)	30.1(1.18)	10(39)	69(2.67)	47.6(1.87)	23.8(93)	90(2.36)	47.6(1.87)	12.7(50)	65.5(2.57)	49(1.92)
CRG-06	114(4.48)	40.5(1.59)	17.8(70)	99(3.77)	65.1(2.56)	32.6(1.28)	80.9(3.18)	66.2(2.68)	22.2(87)	85(3.34)	40(1.57)
CRG-10	131(5.15)	46(1.81)	19.5(76)	129(5.07)	92.1(3.62)	46.1(1.81)	92.1(3.62)	71.4(2.81)	20.1(79)	100(3.93)	51(2.00)



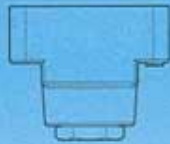


## DIRECTION CONTROL VALVES

DIMENSIONS

MILLIMETERS(INCHES)

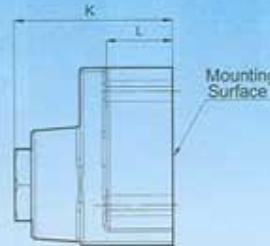
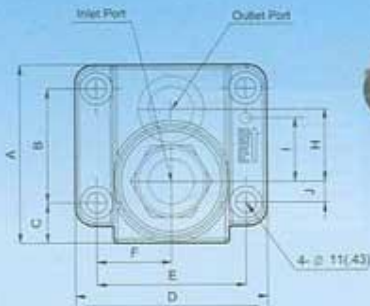
### CRG-03-06-50 Check Valves (Right Angle)-Subplate Type



Valve Specifications & Attachment

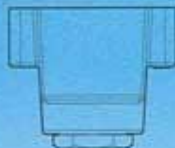
Model	CRG-03	CRG-06
Flow rating	40 lpm (10.6 gpm)	120 lpm (31.5 gpm)
Max. Pressure	200 bar (2900 psi)	200 bar (2900 psi)
Weight (kg/lb)	1.7 (3.8)	2.9 (6.4)
CODE 20	ISO 15012-1/4 plate	ISO 15012-1/4 plate
CODE 2000	ISO 15012-1/4 plate	ISO 15012-1/4 plate
Surface O-Ring	P20A32in	P20A32in
ISO Mounting	3791-A3-08-2-A	3791-A4-08-3-A

SYMBOL



Model	A	B	C	D	E	F	G	H	I	J	K	L
CRG-03-5-50	73(2.87)	42.9(1.68)	16(0.70)	89(3.50)	66.7(2.62)	33.4(1.31)	11.2(0.44)	35.7(1.40)	31.6(1.25)	7(0.27)	68(2.67)	33(1.29)
CRG-06-5-50	94(3.70)	60.3(2.37)	21.5(0.84)	102(4.01)	79.4(3.12)	39.7(1.56)	11.3(0.44)	49.2(1.93)	44.5(1.75)	11.1(0.43)	85(3.34)	35(1.37)

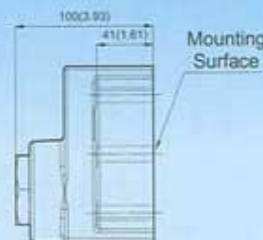
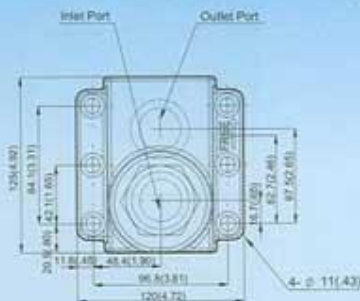
### CRG-10-50 Check Valves (Right Angle)-Subplate Type



Valve Specifications & Attachment

Model	CRG-10
Flow rating	250 lpm (66 gpm)
Max. Pressure	200 bar (2900 psi)
Weight (kg/lb)	5.5 (12.1)
CODE 20	ISO 15012-1/4 plate
CODE 2000	ISO 15012-1/4 plate
Surface O-Ring	P30A32in
ISO Mounting	3791-A3-10-2-A

SYMBOL



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## DIMENSIONS

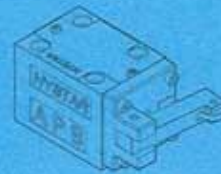
## MILLIMETERS(INCHES)

### Cam Operated Directional Valves(Sub-Plate Type) DCG Series

#### Ordering Code

DC - T - 01 - 2B2 - 20

Series No.	Type of Mounting	Valve Size	Spool Type	Design No.
DC Cam Operated Directional Valve	Sub-Plate Mounting	DCG-01 (NPPA-DCS)	2B2	20 (S) 20 (S) 20 (S) 20 (S)
	Threaded Connection		2B2	200 (S) 200 (S) 200 (S) 200 (S) (North America)



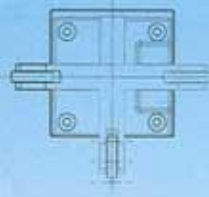
#### Valve Specifications & Attachment

Model	DCG-01
Flow Rating	63 lpm (16.6 gpm)
Max. Pressure	21bar (4500 psi)
Weight (kg/lbs.)	1.4 (3.1)
CODE 20	16, 16, 16, 16
CODE 200	16, 16, 16, 16, 16
Surface O-Ring	PSSApt

### DCG-01 Cam Operated Directional Valves(Sub-Plate Type)



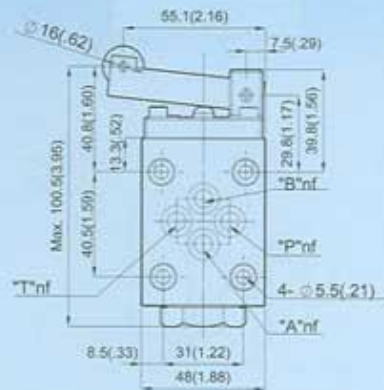
Normal Position



Position "Y"



Position "Y"





## DIRECTION CONTROL VALVES

### Ordering Code

**CP - T - 03 - E - 04 - 20**



SYMBOL

Series No	Type of Mounting	Valve Size	Drain Connection	Pressure Range	Design No
CP: Pilot Controlled Check Valve	G: Subplate Mounting	03: (3/8") ISO 5781-AG-06-2-A	None: Internal Drain	04: 0.4 bar (6 PSI)	20 (G) DIN 912 bolts
CPD: Decompression Type Pilot Controlled Check Valve	T: Threaded Connection	06: (3/4") ISO 5781-AH-08-2-A	E: External Drain	20: 2.0 bar (29 PSI)	2090 (G) UNC bolts (North America)
CPDG:		10: (1-1/4") ISO 5781-AJ-10-2-A		35: 3.5 bar (50 PSI)	20 (T) PT Connection
CPDT:				50: 5.0 bar (70 PSI)	2090 (T) NPT Connection (North America)



MODEL	DESCRIPTION	PAGE
CPDG-03-06	Pilot Controlled Check Valves(Sub-Plate Type)	267
CPDG-10	Pilot Controlled Check Valves(Sub-Plate Type)	267
CPDT-04-06-10	Pilot Controlled Check Valves(Threaded Type)	268
CPDF-16	Pilot Controlled Check Valves	268



CPDT



CPDF



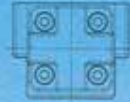


# HYSTAR

## DIMENSIONS

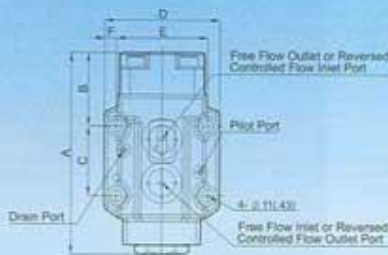
## MILLIMETERS(INCHES)

### CPDG-03-06 Pilot Controlled Check Valves(Sub-Plate Type)



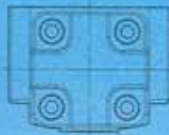
#### Valve Specifications & Attachment

Model	CPDG-03	CPDG-06
Flow Rating	40 lpm (10.6 gpm)	125 lpm (33 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)
Weight kg(lbs.)	3.3 (7.3)	5.4 (11.8)
CODE 20	ISO 40Lg1/4"flow	ISO 40Lg1/4"flow
CODE 2090	ISO 40NCE1-1/4"flow	ISO 40NCE1/4"flow
Surface O-Ring	P3K2pc, P18K2pc	P3K2pc, P25K2pc
ISO Mounting	S791-AG-06-2-A	S791-AH-06-2-A



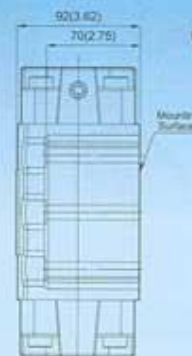
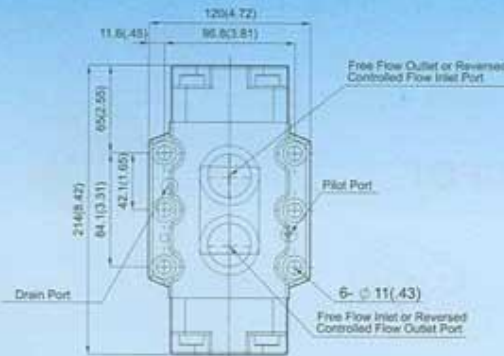
Model	A	B	C	D	E	F	G	H
CPDG-03	148(5.82)	52.6(2.07)	42.9(1.68)	91(3.58)	66.7(2.62)	12.2(.48)	70(2.75)	61(2.40)
CPDG-06	174(6.85)	63.4(2.49)	60.3(2.37)	100(3.93)	79.4(3.12)	10.3(.40)	82(3.22)	46(1.81)
CPDG-03	123(4.84)	37.6(1.48)	42.9(1.68)	85(3.34)	66.7(2.62)	9.2(.36)	45(1.77)	13(.51)

### CPDG-10 Pilot Controlled Check Valves(Sub-Plate Type)



#### Valve Specifications & Attachment

Model	CPDG-10
Flow Rating	250 lpm (66 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	8.5 (18.7)
CODE 20	ISO 40Lg1/4"flow
CODE 2090	ISO 40NCE1-1/4"flow
Surface O-Ring	P3K2pc, P38K2pc
ISO Mounting	S791-AJ-10-2-A



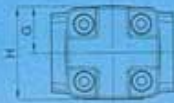
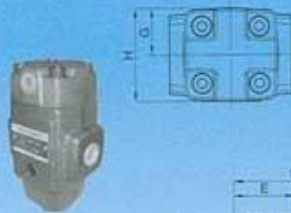


## DIRECTION CONTROL VALVES

DIMENSIONS

MILLIMETERS(INCHES)

### CPDT-04-06-10 Pilot Controlled Check Valves(Threaded Type)

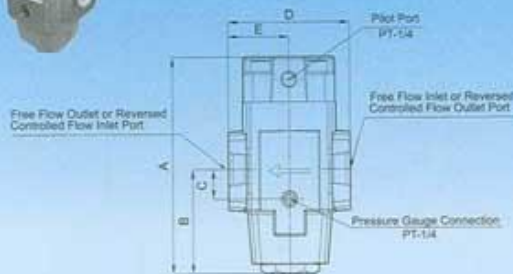


#### Valve Specifications & Attachment

Model	CPDT-04	CPDT-06	CPDT-10
Flow Rating	40 lpm (10.6 gpm)	125 lpm (33 gpm)	250 lpm (66 gpm)
Max. Pressure	250 bar (3600 psi)	250 bar (3600 psi)	250 bar (3600 psi)
Weight kg(lbs.)	3.0 (6.6)	5.5 (12.1)	9.8 (21.2)
CODE 20	1/2" PT	3/4" PT	1 1/4" PT
CODE 2090	1/2" NPT	3/4" NPT	1 1/4" NPT

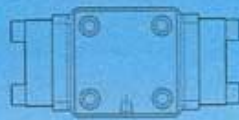


SYMBOL



Model	A	B	C	D	E	F	G	H	I
CPDT-04	148(5.82)	74(2.91)	19(.74)	60(3.14)	40(1.57)	59(2.32)	62(2.44)	31(1.22)	1/2
CPDT-06	174(6.85)	84(3.30)	24(.94)	98(3.85)	49(1.92)	72(2.83)	75(2.95)	37.5(1.47)	3/4
CPDT-10	200(7.87)	90.5(3.56)	22.5(.88)	140(5.51)	70(2.75)	92.5(3.64)	92(3.62)	46(1.81)	1 1/4

### CPDF-16 Pilot Controlled Check Valves

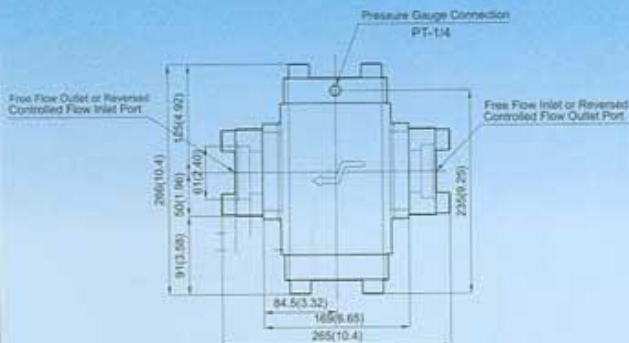


#### Valve Specifications & Attachment

Model	CPDF-16
Flow Rating	500 lpm (132 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	30 (66.5)
CODE 20	2" PT
CODE 2090	2" NPT



SYMBOL

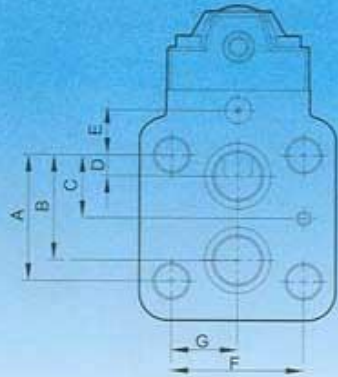


# HYSTAR®

## INSTALLATION DIMENSIONS

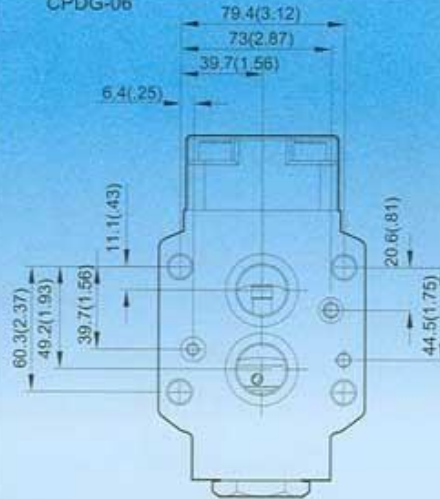
MILLIMETERS(INCHES)

BG-03-06-10  
 BRG-03-06-10  
 SBG-03-06-10

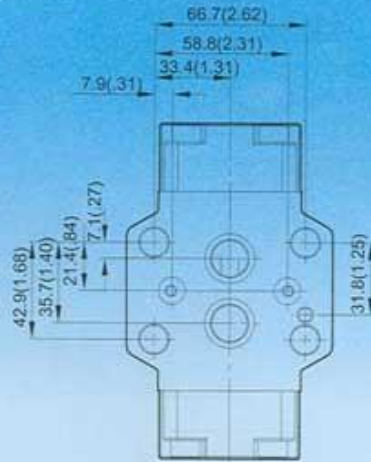


	A	B	C	D	E	F	G
03	53.8(2.11)	47.4(1.86)	22(0.86)	22(0.86)	0	53.8(2.11)	26.9(1.05)
06	66.7(2.62)	55.5(2.18)	33.4(1.31)	11(0.43)	23.8(0.93)	70(2.75)	35(1.37)
10	88.9(3.50)	76.2(3.00)	44.5(1.75)	12.7(.50)	31.8(1.25)	82.6(3.25)	41.3(1.62)

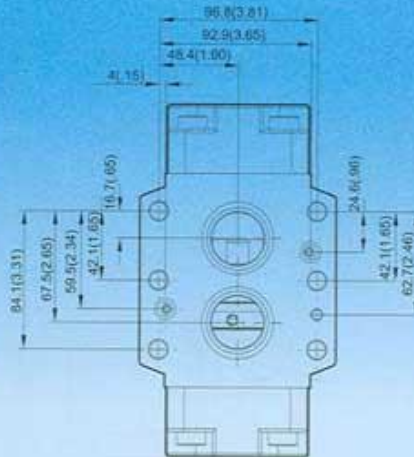
RG-06  
 HG-06  
 HCG-06  
 CPDG-06



RG-03  
 HG-03  
 HCG-03  
 CPDG-03



HG-10  
 HCG-10  
 CPDG-10




















## DIERCTION CONTROL VALVES

### ■ Ordering Code

**DM - T - 03 - 2B2 - 20**



SYMBOL

Series No	Type of Mounting	Valve Size	Pressure Range	Design No
DM: Manually Operated Directional Valves	G Subplate Mounting 	01: (1/8") ISO 4401-AB-03-4-A	2B2 	20 (G) DIN 912 bolts 
DMG: 	T Threaded Connection 	03: (3/8") ISO 4401-AC-05-4-A	2B3 	2090 (G) UNC bolts (North America) 
DMT: 		04: (1/2") ISO 4401-AD-07-4-A	202 	20 (T) PT Connection 
		06: (3/4") ISO 4401-AE-08-4-A	3C2 	2090 (T) NPT Connection (North America) 
		10: (1 1/4") ISO 4401-AF-10-4-A	3C60 	

DMG



DMT



MODEL	DESCRIPTION	PAGE
DMG-01	Manually Operated Directional Valves(Sub-Plate Type)	272
DMG-03	Manually Operated Directional Valves(Sub-Plate Type)	272
DMT-03	Manually Operated Directional Valves(Threaded Type)	273
DMT-04-06-10	Manually Operated Directional Valves(Threaded Type)	273

DMG-01



DMG-03



DMG-03-\*\*-10



# HYSTAR®

## LIST OF SPOOL FUNCTIONS ( DMG/T-01/03 )

SPRING OFFSET 2 POSITION	GRAPHIC SYMBOLS (STANDARD)	SPRING CENTERED 3 POSITION	GRAPHIC SYMBOLS (STANDARD)	NO SPRING DETENTED 3 POSITION	GRAPHIC SYMBOLS (STANDARD)
2B2		3C2		3D2	
2B3		3C3		3D3	
2B8		3C4		3D4	
2B29		3C40		3D40	
		3C5		3D5	
NO SPRING DETENTED 2 POSITION	GRAPHIC SYMBOLS (STANDARD)	3C6		3D6	
		3C60		3D60	
2D2		3C7		3D7	
2D3		3C8		3D8	
2D4		3C9		3D9	
2D40		3C10		3D10	
2D5		3C11		3D11	
2D60		3C12		3D12	
2D8		3C25		3D25	
2D9		3C29		3D29	
2D10		3C48		3D48	
2D12		3C94		3D94	