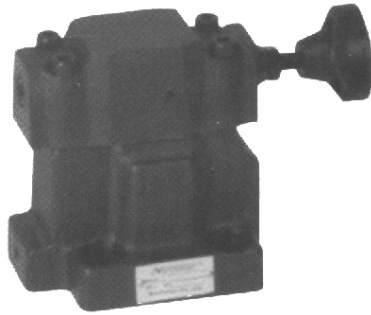


Oilgear

HYDRAULIC CONTROL VALVE

RELIEF VALVE HRF / HSRF

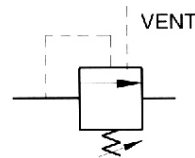




FEATURES

- Special internal passage design keeps flow noise to a minimum

SYMBOL



SPECIFICATIONS

MODEL	MAX. PRESSURE BAR (PSI)	RATE FLOW LPM (GPM)	MOUNTING BOLTS MM (INCH)
HRF-G03-*-10	242 (3500)	100 (26.4)	M12x40Lx4 (1/2"X1-3/5")
HRF-G06-*-10		200 (52.8)	M16x50Lx4 (5/8"X2")
HRF-G10-*-10		400 (105.6)	M20x60Lx4 (3/4"X2-2/5")

HOW TO ORDER

HRF-G06-3-L-10-N

NO CODE:PT PIPE THREADS
N:NPT PIPE THREADS (BOLT INCH THREADS)
S:SAE STRAIGHT THREADS

DESIGN NUMBER

DIRECTION OF KNOB
R:RIGHT (P PORT SIDE)
L:LEFT (T PORT SIDE)

PRESSURE ADJUSTING RANGE
1:0-69 BAR (0-1000PSI)
2:0-138BAR (0-2000PSI)
3:0-242BAR (0-3500PSI)

PORT SIZE
03:3/8"
06:3/4"
10:1-1/4"

MOUNTING
G:SUBPLATE MOUNTED

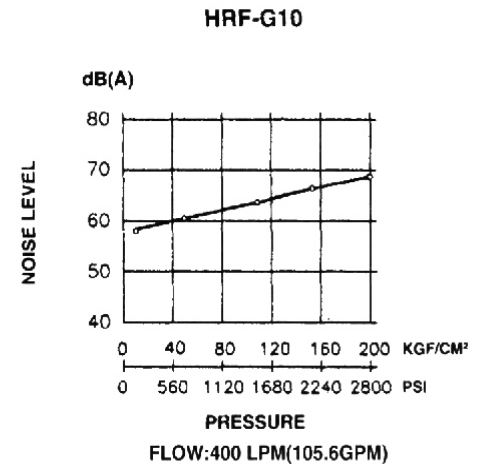
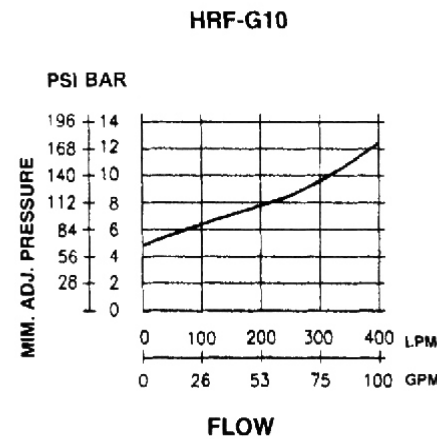
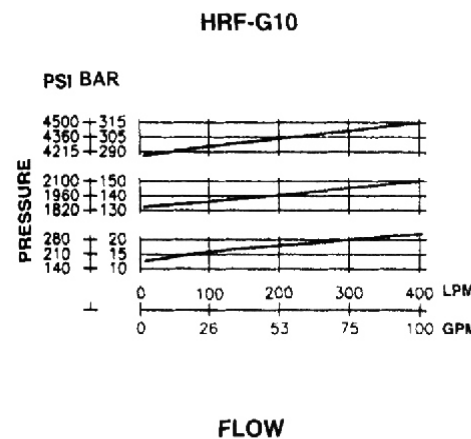
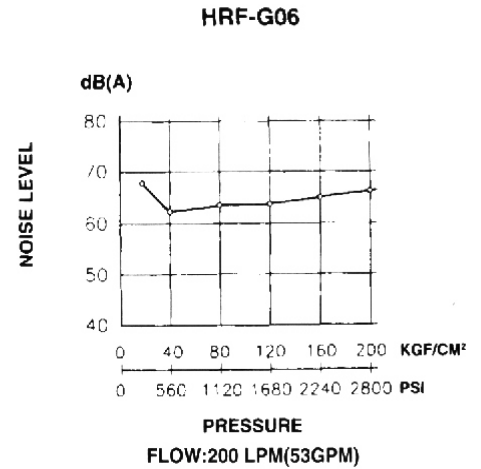
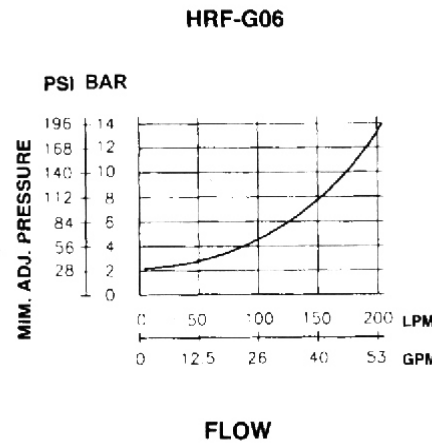
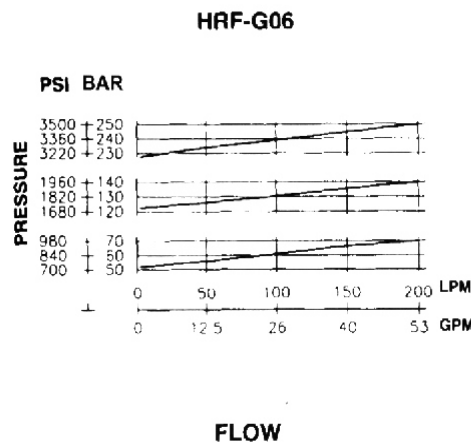
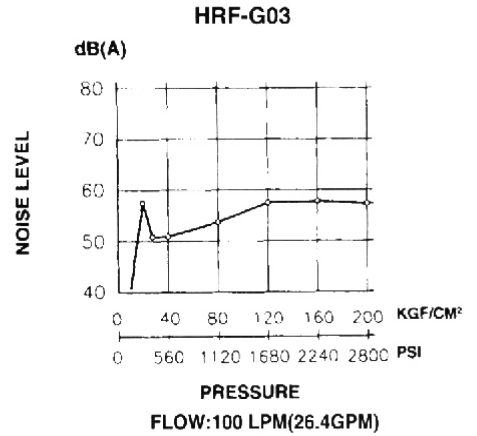
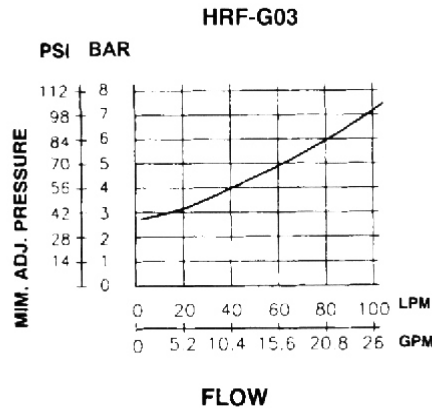
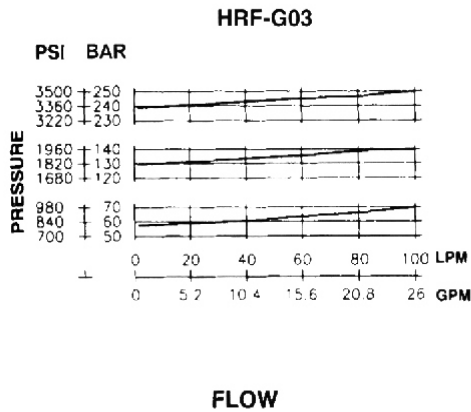
LOW NOISE TYPE PILOT OPERATE RELIEF VALVES

PERFORMANCE CURVES

TEST CONDITIONS

VISCOSITY: 35cst (175SSU)

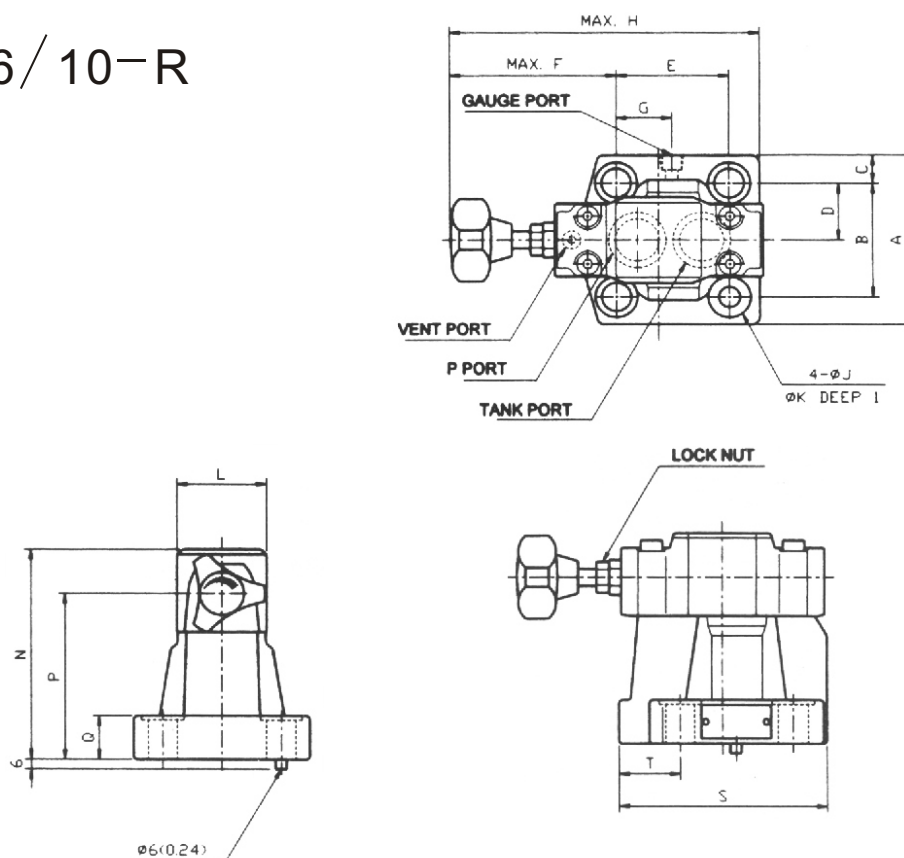
TEMPERATURE: 50°C (122°F)



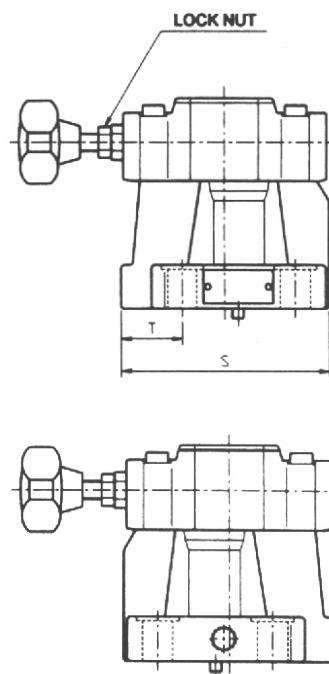
INSTALLATION DIMENSIONS

UNIT : mm (inch)

HRF-G03/ G06/ 10-R

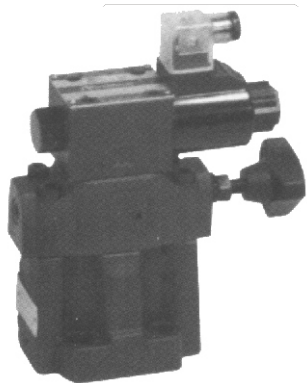


HRF-G03/ G06/ 10-L

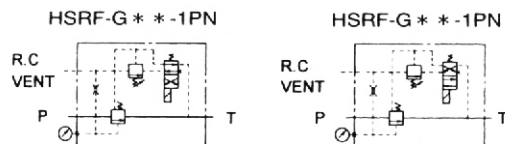


MODEL	A	B	C	D	E	F	G	H	J
HRF-G03	76 (3)	53.85 (2.12)	11.1 (0.44)	26.9 (1.06)	53.8 (2.11)	113.5 (4.47)	27 (1.06)	171 (6.73)	13.5 (0.53)
HRF-G06	104 (4.09)	70 (2.76)	17 (0.67)	35 (1.38)	66.7 (2.63)	98.8 (3.89)	33.7 (1.33)	171 (6.73)	17.5 (0.69)
HRF-G10	120 (4.72)	82.6 (3.25)	178.7 (0.74)	41.3 (1.63)	88.9 (3.5)	89 (3.35)	44.9 (1.77)	219 (8.62)	21.5 (0.85)

MODEL	A	B	C	D	E	F	G	SUBPLATE TYPE
HRF-G03	21 (0.83)	51 (2.01)	132 (5.2)	104 (4.09)	22 (0.86)	106 (4.17)	26 (1.02)	MF-04
HRF-G06	25 (0.98)	51 (2.01)	132 (5.2)	104 (4.09)	27 (1.06)	123 (4.84)	36.5 (1.44)	MF-06
HRF-G10	32 (1.26)	65 (2.56)	167 (6.52)	135 (5.32)	33.5 (1.32)	155 (6.1)	47 (1.85)	MF-10



SYMBOL



SPECIFICATIONS

MODEL	MAX. PRESSURE BAR (PSI)	RATE FLOW LPM (GPM)	MOUNTING BOLTS METER (INCH)
HSRF-G03-*10	245 (3500)	100 (26.4)	M12x40Lx4 (1/2"x1-3/5")
HSRF-G06-*10		200 (52.8)	M16x50Lx4 (5/8"x2")
HSRF-G10-*10		400 (105.6)	M20x60Lx4 (3/4"x2-2/5")

HOW TO ORDER

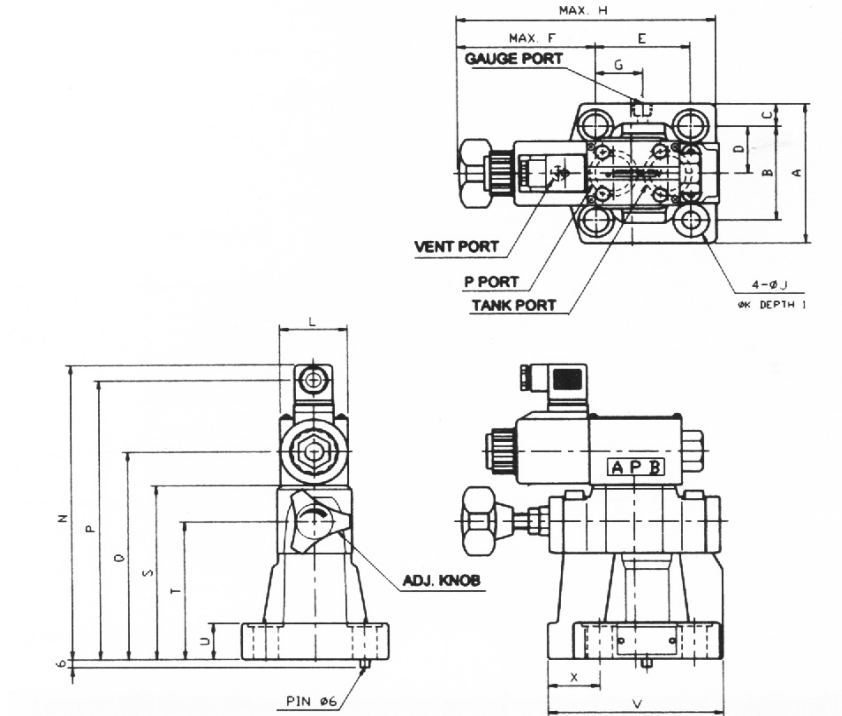
HSRF-G06-1PN-3-A220-10-L-10-N

- NO CODE: BOLT METER THREADS
- N: BOLT INCH THREADS
- DESIGN NUMBER
- DIRECTION OF HANDLE
- R: RIGHT (P PORT SIDE)
- L: LEFT (T PORT SIDE)
- WIRING
- 10: JOINT BOX WITH INDICATING LIGHT
- 20: HIRSCHMANN TYPE WITH INDICATING LIGHT
- 31: LEAD WIRE (FOR DC ONLY)
- 41: DUAL SPADES TYPE (SAE J858a, FOR DC ONLY)
- COIL VOLTAGE
- A110: AC110V 60HZ, 100V 50HZ
- A120: AC120V 60HZ, 110V 50HZ
- A220: AC220V 60HZ, 200V 50HZ
- A240: AC240V 60HZ, 220V 50HZ
- R110: AC110V 60HZ, 100V 50HZ
- R120: AC120V 60HZ, 110V 50HZ
- R220: AC220V 60HZ, 200V 50HZ
- R240: AC240V 60HZ, 220V 50HZ
- D12: DC12V
- D24: DC24V
- PRESSURE ADJUSTING RANGE
- 1: 0-69 BAR (0-1000PSI)
- 2: 0-138 BAR (0-2000PS)
- 3: 0-242 BAR (0-3500PS)
- 1PN: NORMALLY VENTED
- 1NP: ENERGIZED TO VENT
- PORT SIZE
- 03: 3/8"
- 06: 3/4"
- 10: 1-1/4"
- MOUNTING
- G: SUBPLATE MOUNTED
- LOW NOISE TYPE SOLENOID CONTROLLED PILOT OPERATED RELIEF VALVES

INSTALLATION DIMENSIONS

UNIT : mm (inch)

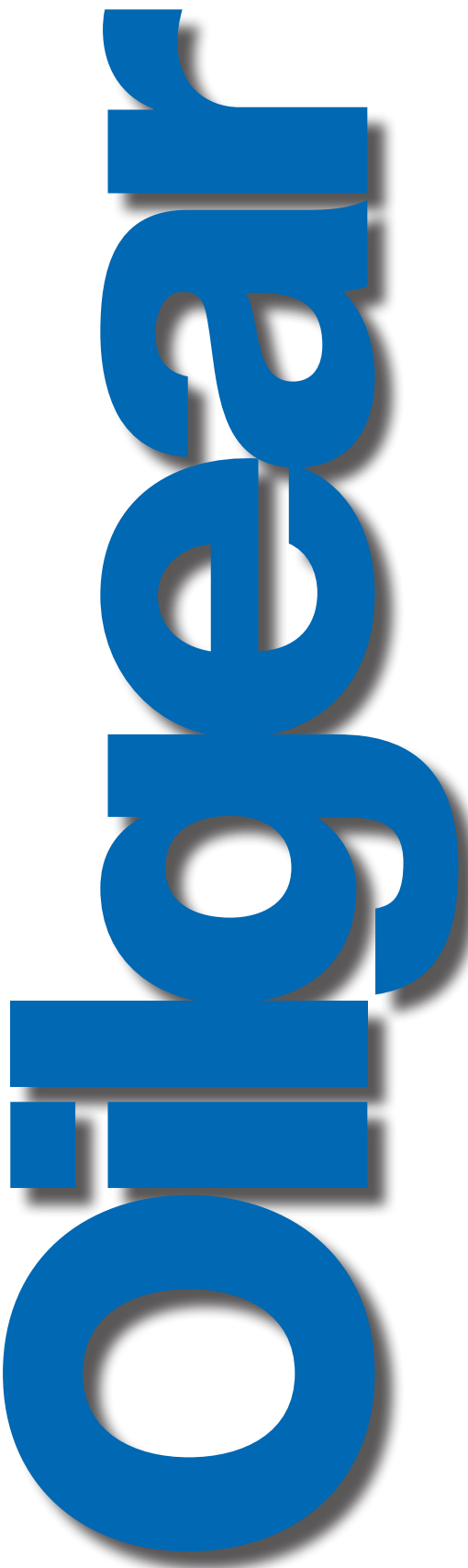
HSRF-G03/06/10-1PN/1NP-R



MODEL	A	B	C	D	E	F	G	H	J
HSRF-03	76 (3)	53.8 (2.12)	11.1 (0.44)	26.9 (1.06)	53.8 (2.11)	113.5 (4.47)	27 (1.06)	171 (6.73)	13.5 (0.53)
HSRF-06	104 (4.09)	70 (2.76)	17 (0.67)	35 (1.38)	66.7 (2.63)	98.8 (3.89)	33.7 (1.33)	171 (6.73)	17.5 (0.69)
HSRF-10	120 (4.72)	82 (3.23)	22.5 (0.89)	41 (1.61)	90 (3.54)	89 (3.35)	46 (3.54)	219 (8.62)	21.5 (0.85)

MODEL	K	L	N	P	Q	S	T	U	V
HSRF-03	21 (0.83)	48 (1.89)	220.5 (8.7)	206.8 (8.1)	157 (6.18)	132 (5.2)	104 (4.09)	22 (0.86)	106 (4.17)
HSRF-06	25 (0.98)	48 (1.89)	220.5 (8.7)	206.8 (8.1)	157 (6.18)	132 (5.2)	104 (4.09)	27 (1.06)	123 (4.84)
HSRF-10	32 (1.26)	48 (1.89)	235 (9.25)	220 (8.66)	172 (6.77)	146 (5.75)	120 (4.72)	37 (1.46)	152 (5.98)

MODEL	X	SUBPLATE TYPE
HSRF-G03	26 (1.02)	MF-04
HSRF-G06	36.5 (1.44)	MF-06
HSRF-G10	47 (1.85)	MF-10



Sede Mundial

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www.oilgear.com.br

Para obter informações adicionais sobre seu aplicativo ou sobre os produtos referenciados neste manual, entre em contato com a Oilgear mais próxima. Acesse o website da Oilgear para obter uma relação completa de nossos endereços.