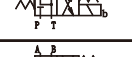
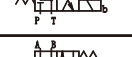
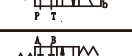
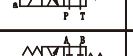
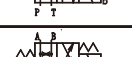
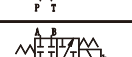
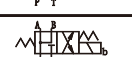
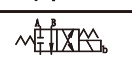


PRODUCTION GUIDE

閥芯代號

Spool Code

雙電磁鐵 Double Solenoid				單電磁鐵 Single Solenoid				單電磁鐵 Single Solenoid			
三位彈簧中位 3 Positions Spring Centred				二位彈簧復位 2 Positions Spring Offset				二位彈簧復位 (反裝) 2 Positions Spring Offset (Inverted)			
符號 Symbol	磊興 REXPOWER	力士樂 REXROTH	威格士 VICKERS	符號 Symbol	磊興 REXPOWER	力士樂 REXROTH	威格士 VICKERS	符號 Symbol	磊興 REXPOWER	力士樂 REXROTH	威格士 VICKERS
	3C2	E	2C		2B2	D	2A		2B2S	Y	2AL
	3C3	H	0C		2B3	C	0A		2B3S	-	0AL
	3C4	J	6C		2B8	A	22A		2B8S	B	22AL
	3C40	W	33C		2B2B	EA	2B		2B2BS	EB	2BL
	3C5	F	-		2B3B	HA	0B		2B3BS	HB	0BL
	3C60	G	8C		2B4B	JA	6B		2B4BS	JB	6BL
	3C7	-	-		2B40B	WA	33B		2B40BS	WB	33BL
	3C8	-	22C		2B5B	FA	-		2B5BS	FB	-
	3C9	M	7C		2B60B	GA	8B		2B60BS	GB	8BL
	3C10	U	31C		2B7B	-	-		2B7BS	-	-
	3C11	-	-		2B8B	-	22B		2B8BS	-	22BL
	3C12	L	3C		2B9B	MA	7B		2B9BS	MB	7BL
二位鋼珠定位 2 Positions Detented					2B10B	UA	31B		2B10BS	UB	31BL
符號 Symbol	磊興 REXPOWER	力士樂 REXROTH	威格士 VICKERS	符號 Symbol	磊興 REXPOWER	力士樂 REXROTH	威格士 VICKERS	符號 Symbol	磊興 REXPOWER	力士樂 REXROTH	威格士 VICKERS
	2D2	D/OF	2N		2B11B	-	-		2B11BS	-	-
	2D3	C/OF	0N		2B12B	LA	-		2B12BS	LB	-
	2D8	A/OF	-		2B2A	-	2F		2B2AS	-	2FL
					2B3A	-	0F		2B3AS	-	0FL

SOLENOID OPERATED DIRECTIONAL VALVES

Valve Type	Model No.	Max. Flow L/min	Max. Pressure Mpa	Spool	Coil	Electrical Connection	Design No.	
							-33	90
Standard Type	SHD-02	63	31.5	★1	AC : A10, A11 A20,A22,A24 DC : D12,D24 RF : R1,R22	Omit : Terminal Box Type D : Plug-in Type U : Deutsch Type L : Lead Wire Type	-33 -11	OMIT : JIS 90 : ANSI
	SHD-03	120						
Shockless Type	SHDC-02	40	25					
	SHDC-03	120						
Five cabin Type	DSG-01	100	35					
	SDSG-01	63	25					
4WE Type	4WE6	AC 60	35		DC : G12,G24 AC : W220-50 RF : W220 (AC→DC)	NL : Plug-in Type with Indicator U : Deutsch Type	-	
		DC 80						
	4WE10	160						

※ NP: Nickel plated is available for out-door use.

※ 90: ANSI is available.

※ IP67 plug is available.

SHD — 02G — 3C※ — D24 D — NP — 33※
 | | | | | | |
 Series No. Valve Size Spool Code Coil Electrical Connection Surface Design No.

SOLENOID OPERATED HYDRAULIC PILOT DIRECTIONAL VALVES

Valve Type	Model No.	Max. Flow L/min	Max. Pressure Mpa	Spool	Coil	Electrical Connection	Design No.	
							-33	90
Solenoid Operated Hydraulic Pilot Valve	SWDH-04	250	25	★1	AC : A10, A11 A20,A22,A24 DC : D12,D24 RF : R1,R22	Omit : Terminal Box Type D : Plug-in Type U : Deutsch Type L : Lead Wire Type	-33 -11	OMIT : JIS 90 : ANSI
	SWDH-06	300						
	SWDH-10	1100						
Pilot Main Valve only	DP-4	360			-	-	-	-
	DP-06	100						
	DP-10	63						

MANUALLY OPERATED DIRECTIONAL VALVES

Valve Type	Model No.	Max. Flow L/min	Max. Pressure Mpa	Spool (★1)	Weight kg
Rotary Type Thread Connection	DRT-03	50	7	3C2	3.40
Lever Type Thread Connection	DMT-03	50	25	3C2、3C3	5.00
	DMT-04	100		3C4、3C6	7.60
	DMT-06	180		3C9、3C12	11.10
	DMT-10	300		3D2、3D3	23.10
Lever Type Subplate Connection	DMG-02	30		3D4、3D6	1.60
	DMG-03	50		3D9、3D12	4.00
Valve Type	Model No.	Max. Flow L/min	Max. Pressure Mpa	Spool (★1)	Weight kg
Mechanically Valve	DCG-02	30	25	2B2、2B3、2B8	1.10

DMT

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03

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3C※



Series No.



Valve Size



Spool Code

CHECK VALVES

Connection Type	Model No.	Max. Flow L/min	Max. Pressure Mpa	Cracking Pressure Mpa	Weight kg
Thread Type	CIT-02	20	25	Omit : 0.035 20 : 0.2 35 : 0.35 50 : 0.5	0.08
	CIT-03	40			0.20
	CIT-04	60			0.32
	CIT-06	100			0.70
	CIT-08	150			1.00
	CIT-10	200			2.10
	CIT-12	280			3.20
	CIT-16	400			4.80
Subplate Type	CRG-03	40			2.30
	CRNG-03				2.40
	CRG-06	100			4.40
	CRNG-06				4.20
	CRG-10	200			7.80
	CRNG-10				7.80

CIT

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04

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Series No.



Valve Size



Cracking Pressure

PILOT OPERATED CHECK VALVES

Connection Type	Model No.	Max. Flow L/min	Max. Pressure Mpa	Cracking Pressure Mpa	Pilot & Drain	Weight kg
Thread Type	CPDT-03	50	25	Omit : 0.035 35 : 0.35 50 : 0.5	Omit : External pilot Internal drain	3.60
	CPDT-04	75				3.60
	CPDT-06	125				5.20
	CPDT-10	300				11.60
	CPS-03T	30				0.72
Subplate Type	CPDG-03	50			E : External pilot&drain	4.50
	CPDG-06	125				7.00
	CPDG-10	300				12.00
Flange Type	CPDF-10	300				12.00
	CPDF-16	400				24.20

CPDG

03

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E

Series No.

Valve Size

Cracking Pressure

Pilot & Drain

PREFILL VALVES

Model No.		Max. Flow L/min		Max. Pressure Mpa	Cracking Pressure Mpa	Weight kg	
180°	90°	Suction	Pilot				
SG-16	-	300	450	25	0.012	30	-
SG-24	SLG-24	600	900		0.014	55	55
SG-32	SLG-32	1100	1600		0.016	100	100
SG-48	SLG-48	2200	3200			240	240

Disk Type		Max. Flow L/min	Max. Pressure Mpa	Pilot Ratio	Weight kg
SCM 4 Steel	Ductile Iron FCD 50				
SVF-32	SCF-32	160	40 (SCF : 25 only)	3.6	1.30
SVF-40	-	250		3.8	2.20
SVF-50	SCF-50	400		4.2	2.90
SVF-63	SCF-63	630		4.3	4.50
SVF-80	SCF-80	1000			6.20
SVF-100	SCF-100	1600			12.30
SVF-125	SCF-125	2500			20.50
SVF-160		4000	28	4.2	45.00
SVF-200		7000			85.00
SVF-250		15000			15.00

SVF

100

Series No.

Valve Size

RELIEF VALVES

Valve Type	Thread	Subplate	Max. Flow L/min	Max. Pressure Mpa	Pressure Adj. Range Mpa
Remote Control	DT-01	DG-01	2	25	1 : 0.7~7 2 : 3.5~14 3 : 7~25
Direct Operated	DT-02	DG-02	16		
Pilot Operated	BT-04	BG-03	100		
	BT-06	BG-06	200		
	BT-10	BG-10	400		
LowNoise Type	-	SBG-03	100	31.5	1~10 2~20
		SBG-06	200		
		SBG-10	400		
		DB-03	250		
Solenoid Operated	-	DB-06	500	25	1.0~7 2.3.5~14 3.7~25
		BST-04	100		
		BST-06	200		
		BST-10	400		
		SBSG-03	100		
		SBSG-06	200		
		SBSG-10	400		
		DBW-03	250		
		DBW-10	500	31.5	1~10 2~20 3~31.5

BT — 03 — 3 — A22D — L
 Series No. Valve Size Pressure Adj. Range Solenoid Valve Spec.
 (For BST/BSG/SBSG/DBW) Direction of Handle
 (For SBG/SBSG)
 Omit: Left
 R: Right

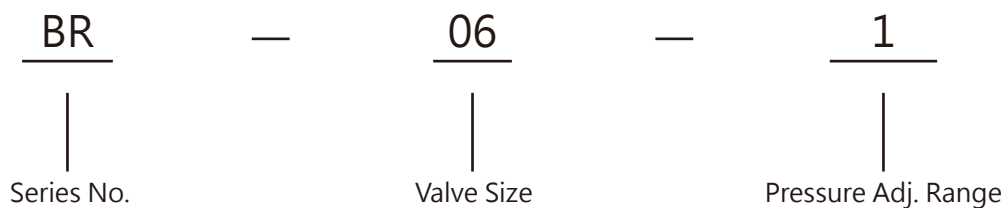
UNLOADING RELIEF VALVES

Valves Type	Model No.	Max. Flow L/min	Max. Pressure Mpa	Pressure Adj. Range Mpa
Unloading Relief Valve	DA-03G	60	25	1:*~1.0 2:8~31.5
	DA-06G	120		
	DA-10G	240		
Solenoid Unloading Relief Valve	DAW-03G	60		-
	DAW-06G	120		
	DAW-10G	240		

DA — 03G — 1 — A22D
 Series No. Valve Size Pressure Adj. Range Solenoid Valve Spec.

BACK PRESSURE VALVES

Model No.	Max. Flow L/min	Max. Pressure Mpa	Pressure Adj. Range Mpa	Min. Pressure Mpa
BR-06G	125	250	1:0.7~8	0.35
BR-10G	250		2:3.5~15	

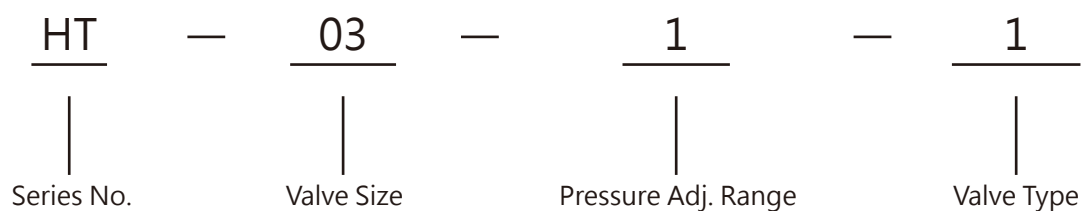


H/HC PRESSURE CONTROL VALVES

(Sequence, Counterbalance, Unloading Valves)

	Thread	Subplate	Max. Flow L/min	Pressure Adj. Range Mpa	Valve Type
H Type	HT-03	HG-03	50	1 : 18~35 2 : 35~70 3 : 70~140	1.IPID (Low Pressure Relief Valve) 2.IPED (Sequence Valve) 3.EPED (Sequence Valve) 4.EPID (Unloading Valve)
	HT-10	HG-10	250		
HC Type	HCT-03	HCG-03	50		1.IPID (Counterbalance Valve) 2.IPED (One-way Sequence Valve) 3.EPED (One-way Sequence Valve) 4.EPID (Unloading Valve)
	HCT-06	HCG-06	125		
	HCT-10	HCG-10	250		

IPID : Internal Pilot, Internal Drain
 IPED : Internal Pilot, External Drain
 EPED : External Pilot, External Drain
 EPID : External Pilot, Internal Drain



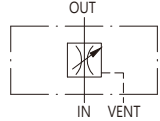
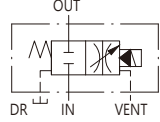
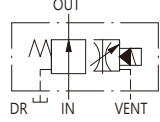
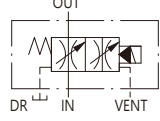
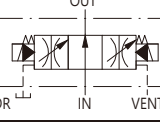
DECELERATION VALVES

Valve Type		Model No.	Free Flow L/min	Controll Flow L/min	Max. Pressure Mpa	Weight kg
One-way Controlled		FNC-02	30	6 : 0.01-6 4 : 0.01-4 2 : 0.01-2	15	1.20
		FNC-03	50			2.00
Mechanically	Cam	FKC-02	30		10	1.30
		FKC-03	50			2.00
	Roller	FYC-02	30			1.30
		FYC-03	50			2.00
Solenoid Operated		FSC-02	30		70	1.60
		FSC-03	50			2.60

FKC — 02 — R — 2

Series No. Valve Size Cam Position
 R: Right side
 L: Left side Max Control Flow
 6 : 6L/min
 4 : 4L/min
 2 : 2L/min

SOLENOID OPERATED SPEED CONTROL VALVES (Without Solenoid Valve)

Valve Type	Model No.	Flow Range L/min	Max Flow L/min	Max Pressure Mpa	Symbol	Weight kg
Two-ways control	THF-G06	0-120	120	25		5.00
	THF-G10	0-240	240			8.40
Normally closed	SDF-G06	0-120	120			6.40
	SDF-G10	0-240	240			9.00
Normally open	SF-G06	0-120	120			6.40
	SF-G10	0-240	240			9.00
Two control	SFD-G06	0-120	120			6.70
	SFD-G10	0-240	240			10.40
3 position 2 control	SKF-G06	0-120	120			7.50
	SKF-G10	0-240	240			11.20

SF — G06 — A22D

Series No. Valve Size Solenoid Valve spec.

COOLING AND LUBRICATING PUMPS

Series	Displacement (cc/rev)	Pressure (kg/cm ²)	Max. Speed (rpm)	Flow (L/min)		Port	Weight (kg)	
				1450rpm	1800rpm		-	+Y With Relief valve
RAB-10A	0.8	5	2200	1.2	1.44	1/8" PT	0.45	0.7
RAB-11A	1.5		2000	2.2	2.7		0.55	0.8
RAB-12A	2.5		1800	3.7	4.5	1/4" PT	0.6	0.9
RAB-13A	4.5		1800	6.5	7.5	3/8" PT	0.8	1.1

Series	Displacement (cc/rev)	Pressure (kg/cm ²)	Max. Speed (rpm)	Flow (L/min)		Port	Weight (kg)	
				1500rpm	1800rpm		-	+Y With Relief valve
RBB-203	2.7	25	2800	4	7	1/2" PT	3.7	4.4
RBB-204	4		2000	6	10		3.7	4.4
RBB-206	6			9	15		4	4.7
RBB-208	8			12	20		4	4.7
RBB-210	10			15	25	3/4" PT	4.5	5

RBB-2204	4.2	30	2500	6.3	7.5	1/2" PT	3.2	3.6
RBB-2206	6.0			9.0	10.8		3.2	3.6
RBB-2208	8.4			12.6	15.1		3.3	3.7
RBB-2210	10.2			15.3	18.3	3/4" PT	3.4	3.8
RBB-2212	12.0		2000	18.0	21.6		3.6	4.0
RBB-2216	16.2		1800	24.3	29.1		3.8	4.2
RBB-2220	19.8			29.7	35.6		4.1	4.5

RBB-3012	12	25	2000	18	21	1" PT	5.05	5.8
RBB-3016	16			24	29		5.35	6.1
RBB-3020	21			31	38		5.75	6.5
RBB-3026	26.6			40	48		6.25	7
RBB-3030	33			50	60		6.95	7.7
RBB-3040	42			63	76		7.75	8.5

<u>RBB</u>	—	<u>2</u>	<u>03</u>	<u>Y</u>
Series No.		Pump Type RAB: 1 RBB: 2, 22, 30	Displacement	Omit: Without Relief Valve Y: With Relief Valve

COOLING AND LUBRICATING PUMPS

Series	Flow (L/min)		Max. Pressure (kgf/cm²)	Max Speed (rpm)	Port	A (mm)	Weight (kg)
	1500 rpm/min	1800 rpm/min					
TOP-203HB	4.2	5	30	2000	1/2" PT	144.5	3.5
TOP-204HB	6	7.2				147.5	3.6
TOP-206HB	9	10.8	25			152.5	3.8
TOP-208HB	12	14.4				157.5	4.0
TOP-210HB	15	18	20		3/4" PT	162.5	4.1
TOP-212HB	18	21.6				167.5	4.3
TOP-216HB	24	28.8				177.5	4.6
TOP-220HB	30	36				187.5	5.0

HB-VB type and HB-VD type are connect with relief valve.

Series	Flow (L/min)		Max. Pressure (kgf/cm ²)	Max Speed (rpm)	Port	A (mm)	Weight (kg)
	1500 rpm/min	1800 rpm/min					
TOP310	10	12.5	30	2000	1/2" PT	70	4.0
TOP315	15	18.5				72	4.2
TOP320	20	25			3/4" PT	90	4.5
TOP330	30	38				95	5.0
TOP340	40	50	20		1" PT	100	5.5
TOP350	50	62				100	6.0

Series	Flow (L/min)		Max. Pressure (kgf/cm ²)	Max Speed (rpm)	Port	A (mm)	Weight (kg)
	1500 rpm/min	1800 rpm/min					
TOP3060	60	75	30	2000	1/4" PT	125	10.0
TOP3080	80	100				135	12.0
TOP3100	100	125				145	14.0

TOP

Series No.

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203HB

Flow

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VB

Omit: Without Relief Valve
VB: With internal drain type Relief Valve
VD: With external drain type Relief Valve



磊興有限公司

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