

# One Of The Leading Taiwanese Hydraulic Component In The World

## Hydraulic Products Catalog

KOMPASS

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MCS



■ HIGH PRESSURE AXIAL PISTON PUMPS



■ AXIAL VARIABLE DISPLACEMENT PISTON PUMPS



■ GEAR PUMPS ( STOCK )



■ FIXED DISPLACEMENT VANE PUMPS ( STOCK )



■ VARIABLE DISPLACEMENT VANE PUMPS ( STOCK )



■ COMBINATION PUMPS



■ SOLENOID VALVES ( STOCK )



■ PROPORTIONAL VALVES



■ HI-RESPONSE PROPORTIONAL VALVES



■ LIFTING VALVES



■ MODULAR VALVES ( STOCK )



■ CONVENTIONAL VALVES ( STOCK )



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European High Quality Product

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## INDEX

Description	Page
<b>Solenoid Operated Directional Control Valves</b>	<b>1 - 2</b>
D5-***-02(03) Series	
<b>Electric Controlled Hydraulic Operated Directional Control Valves</b>	<b>3</b>
D4-***-04 Series	
<b>Directional Control Valves, Hand Operated</b>	
DMT Series	
<b>Check Valves</b>	
CIT, CRG, TVC Series	
<b>Solenoid Operated Speed Control Valves</b>	
THF, SF, SDF, SFD Series	
 <b>Modular Check Valves</b>	 <b>4</b>
MCP, MCA, MCB, MCT Series	
<b>Modular Pilot Operated Check Valves</b>	
MPA, MPB Series	
<b>Modular Relief Valves</b>	
MBA, MBB, MBP, MBW Series	
<b>Modular Reducing Valves</b>	
MRA, MRB, MRP Series	
 <b>Modular Sequence Valves</b>	 <b>5</b>
MQP Series	
<b>Modular Counter Balance Valves</b>	
MHA, MHB Series	
<b>Modular Throttle ( Check ) Valves</b>	
MSP, MSA, MSB, MSW Series	
<b>Modular Flow Solenoid Valves</b>	
MFS Series	
<b>Modular Base Plates</b>	
MMC, DSGM Series	
 <b>Fin-tube Type Oil Coolers</b>	 <b>6</b>
<b>Naked-tube Type Oil Coolers</b>	
HT Series	
<b>Strainers</b>	
SFW, SFN, MF Series	
<b>Fillers With Air Breathers</b>	
TOYO, HY Series	
<b>Air Breathers</b>	
AB Series	
 <b>Accessories</b>	 <b>7</b>
<b>Coupling</b>	
OK, DC, NM Series	
<b>Gauge Cocks</b>	
NU, NUL, GCT, GCLT Series	
<b>Oil Level Indicators With Thermeter</b>	
KP, LS Series	

## Solenoid Operated Directional Control Valves

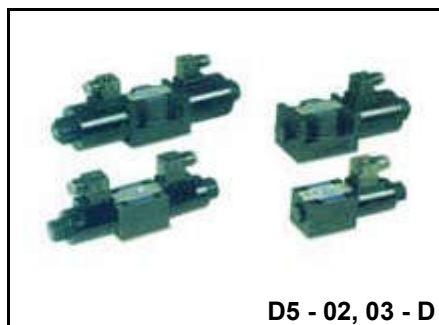
### HOW TO ORDER :



**D5-02, 03-A**  
D:DIN TYPE(AC)

D4	-0.2	-2	B	2	-A1	5	D
GROUP	VALVE SIZE	NUMBER OF VALVE POSITION	SPOOL SPRING ARRANGEMENT	SPOOL TYPE	COIL TYPE	FREQUENCIES	TYPE OF ELECTRICAL CONNECTION
D5	02 ( 6 NG6)	2	B: SPRING OFFSET	2, 3, 4	AC A1:AC 110V A2:AC 220V A3:AC 380V	5:50HZ	NONE: TERMINAL BOX TYPE  D:DIN
		3	C: SPRING OFFSET	2, 3, 4, 5 6, 7, 9, 10 11, 12			
	03 (10 NG10)	2	B: SPRING OFFSET	2, 3, 5	DC D1:DC 12V D2:DC 24V	6:60HZ	PLUG IN CONNECTOR
		3	C: SPRING CENTER	2, 3, 4, 6 6, 7, 9, 11 11, 13			

### SPECIFICATION :



**D5 - 02, 03 - D**  
D : DIN TYPE (DC)

SPOOL	RATED FLOW ( l/min )			
	D5 - 02		D5 - 03	
	RATED FLOW	MAX FLOW	RATED FLOW	MAX FLOW
3C2 3C4 3C10	40	60	60	100
3C5 3C3 3C60	30	40	50	80
2B2 2B8 2D2	40	60	60	100
2B3 2D3	40	60	60	100
MAX. PRESSURE ( kgf/cm <sup>2</sup> )	315			
MAX. BACK PRESSURE ( kgf/cm <sup>2</sup> )	70-160			
MAX. OPERATING FREQUENCIES	120 CPM			
TEMP. RANGE	5°C-60°C			
VISCOSITY ( cSt )	20-300			
FILTRATION ( micron )	25			



# 1 POOL FUNCTION TABLE

3 POSITION SPRING CENTER	STANDARD ASSEMBLY	2 POSITION SPRING CENTER	STANDARD ASSEMBLY	2 POSITION SPRING CENTER	STANDARD ASSEMBLY	2 POSITION SPRING OFFSET	STANDARD ASSEMBLY	REVERSE ASSEMBLY	2 POSITION SPRING OFFSET	STANDARD ASSEMBLY	REVERSE ASSEMBLY
3C2		2D2		2D2A		2B2A			2B2B		
3C3		2D3		2D3A		2B3A			2B3B		
3C4		2D7		2D4A		2B4A			2B4B		
3C40		2D8		2D40A		2B40A			2B40B		
3C5		單第二位 2 POSITION SPRING OFFSET	ISO油壓圖記號 (標準組立) STANDARD ASSEMBLY	2D5A		2B5A			2B5B		
3C60		2B2		2D7A		2B60A			2B60B		
3C7		2B3		2D9A		2B7A			2B7B		
3C8		2B8		2D10A		2B8A			2B8B		
3C9		單第二位 2 POSITION SPRING OFFSET	ISO油壓圖記號 (標準組立) REVERSE ASSEMBLY	2D11A		2B9A			2B9B		
3C10		2B2L		2D12A		2B10A			2B10B		
3C11		2B3L				2B11A			2B11B		
3C12		2B8L				2B12A			2B12B		

# 2 COIL SPECIFICATION

SIZE	ELECTRIC SOURCE	COIL TYPE	FREQ(HZ)	VOLTAGE		CURRENT & POWER AT RATED VOLTAGE		
				RATED SOURCE	SERVICE RANGE	INRUSH(A)	HOLDING(A)	POWER
COIL-02 NG6	A C	A110	50	100	90-110	2.268	0.504	
			60	100	90-115	1.638	0.364	
		A120	50	110	99-126	1.962	0.435	
			60	120	108-138	2.009	0.446	
		A220	50	200	180-220	1.904	0.378	
			60	200	180-220	1.239	0.275	
			220	200	180-220	0.885	0.196	
		A240	50	220	198-253	1.060	0.235	
			60	220	198-242	1.058	0.235	
		R110	50	240	216-274	0.897	0.199	
			60	100	90-115	0.308	0.308	
		R220	50	110	99-126	0.333	0.333	
			60	200	180-220	0.140	0.140	
	D C	D12	12	220	198-253	0.153	0.153	32
		D24	24		10.8-13.2	2.170	2.170	
COIL-03 NG10	A C	A110	50	100	90-110	4.039	0.734	
			60	100	90-115	3.286	0.597	
		A120	50	110	99-126	3.729	0.678	
			60	120	108-138	3.560	0.654	
		A220	50	200	180-220	3.292	0.598	
			60	200	180-220	2.014	0.371	
			220	200	180-220	1.692	0.300	
		A240	50	220	198-253	1.885	0.343	
			60	220	198-242	2.492	0.453	
		R110	50	240	216-274	2.158	0.392	
			60	100	90-115	0.364	0.364	
		R220	50	110	99-126	0.398	0.398	
			60	200	180-220	0.169	0.169	
	D C	D12	12	220	198-253	0.184	0.184	26
		D24	24		10.8-13.2	3.320	3.320	
					21.6-26.4	1.440	1.440	

## Electric Controlled Hydraulic Operated Directional Control Valves



D4

MODEL	RATED FLOW ( l/min )	MAX. FLOW ( l/min )	MAX. OPERATED PRESSURE ( kgf/cm <sup>2</sup> )	ALLOWED BACK PRESSURE ( kgf/cm <sup>2</sup> )	MAX. OPERATED PRESSURE ( kgf/cm <sup>2</sup> )	WEIGHT ( kg )
*D4-***-04	120	200	250	140	120	8.2
*D4-***-06	180	300				13.7
*D4-***-10	300	500				39.7
*D4-***-16	600	800				81.7

## Directional Control Valves, Hand Operated



DMT

MODEL	MAX. FLOW ( l/min )	MAX. OPERATING PRESSURE ( kgf/cm <sup>2</sup> )	ALLOWED BACK PRESSURE ( kgf/cm <sup>2</sup> )	WEIGHT ( kg )
DMT-03	50	250	100	4.0
DMT-04	100		140	7.6
DMT-06	180			13.0
DMT-10	300			22.0

## Cheek Valves



CIT, CRG

MODEL		RATED FLOW ( l/min )	MAX. OPERATING PRESSURE ( kgf/cm <sup>2</sup> )	ALLOWED BACK PRESSURE ( kgf/cm <sup>2</sup> )	WEIGHT ( kg )
THREAD TYPE	SUB-PLATE TYPE				
*CIT-03	CRG-03	40	250	A1 = 0.5 A2 = 3.5	0.2
*CIT-04	-	60			0.4
*CIT-06	CRG-06	100			0.7
*CIT-08	-	180			1.0
CIT-10	CRG-10	350			2.1
CIT-12	-	600			3.2
CIT-16	-	1000			4.8

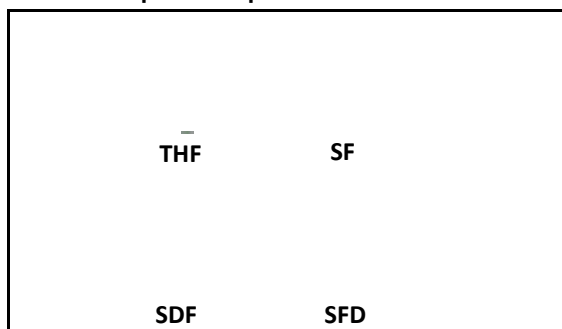
## Flow Control Valves



TVC

MODEL	MAX. OPERATING PRESSURE ( kgf/cm <sup>2</sup> )	RATED FLOW ( l/min )
*TVC-02	250	20
*TVC-03		30
*TVC-04		40

## Solenoid Operated speed Control Valves



MODEL	MAX. OPERATING PRESSURE ( kgf/cm <sup>2</sup> )	RATED FLOW ( l/min )	WEIGHT ( kg )
THF-G06	250	120	5.7
THF-G10		240	8.7
SF-G06		120	5.7
SF-G10		240	8.7
SDF-G06		120	5.7
		240	8.7
		120	6.2
		240	9.2

## Modular Check Valves



MODEL	RATED PRESSURE ( kgf/cm <sup>2</sup> )	CRACKING PRESSURE ( kgf/cm <sup>2</sup> )	RATED FLOW ( l/min )	WEIGHT ( kg )
*MCP-02	250	A = 0.5 B = 3.5 C = 4.6	02 = 40 03 = 80 04 = 200 06 = 200	1.0
*MCP-03				2.0
MCP-06				10.5
MCA-02				1.0
MCA-03				2.0
MCA-06				10.5
MCB-02				1.0
MCB-03				2.0
MCB-06				10.5
MCT-02				1.0
MCT-03				2.0
MCT-06				10.5

## Modular Pilot Operated Check Valves



MODEL	MAX. PRESSURE ( kgf/cm <sup>2</sup> )	CRACKING PRESSURE ( kgf/cm <sup>2</sup> )	RATED FLOW ( l/min )	WEIGHT ( kg )
MPA-02	250	A = 0.5 B = 3.5 C = 4.0	02 = 40 03 = 80 04 = 200 06 = 200	1.0
MPA-03				2.0
MPA-06				10.5
MPB-02				1.0
MPB-03				2.0
MPB-06				11.5
*MPW-02				1.0
*MPW-03				2.0
MPW-06				12.6

## Modular Relief Valves



MODEL	MAX. PRESSURE ( kgf/cm <sup>2</sup> )	CRACKING PRESSURE ( kgf/cm <sup>2</sup> )	RATED FLOW ( l/min )	WEIGHT ( kg )
MBP-02	250	B = 7 - 70 *C = 35 - 140 H = 70 - 220	01 = 2 02 = 40 03 = 80 06 = 200	1.4
MBP-03				3.4
MBA-02				1.4
MBA-03				3.4
MBB-02				1.4
MBB-03				3.4
*MBW-02				2.3
*MBW-03				3.9

## Modular Reducing Valves



MODEL	MAX. PRESSURE ( kgf/cm <sup>2</sup> )	CRACKING PRESSURE ( kgf/cm <sup>2</sup> )	RATED FLOW ( l/min )	WEIGHT ( kg )
*MRP-02	250	A = 3 - 35 B = 8 - 70 *C = 8 - 140 H = 10 - 220	02 = 40 03 = 80 04 = 200 06 = 200	1.1
*MRP-03				3.4
MRA-02				1.1
MRA-03				3.4
MRB-02				1.1
MRB-03				3.4

### Modular Sequence Valves



MODEL	MAX. PRESSURE ( kgf/cm <sup>2</sup> )	ADJ. PRESSURE RANGE ( kgf/cm <sup>2</sup> )	RATED FLOW ( l/min )	WEIGHT ( kg )
*MQP-02	250	B = 8 - 70 C = 35 - 140	40	1.1
*MQP-03		H = 10 - 250	80	3.8

### Modular Counter Balance Valves



MODEL	MAX. PRESSURE ( kgf/cm <sup>2</sup> )	ADJ. PRESSURE RANGE ( kgf/cm <sup>2</sup> )	RATED FLOW ( l/min )	WEIGHT ( kg )
MHA-02	250	B = 8 - 70	02 = 40	1.4
MHA-02				4.2
*MHB-02		H = 10 - 250	03 = 80	1.4
*MHB-03				4.2

### Modular Throttle (Check) Valves



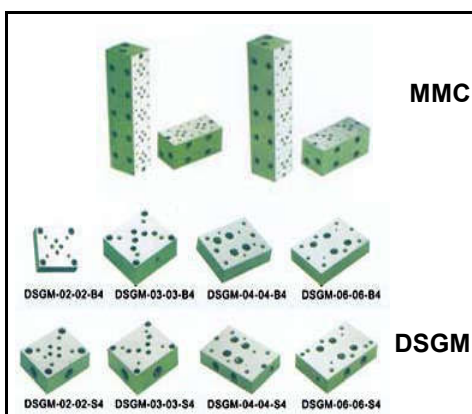
MODEL	MAX. PRESSURE ( kgf/cm <sup>2</sup> )	MAX. FLOW ( l/min )	WEIGHT ( kg )
MSP-02	250	02 = 40	1.0
MSP-03			2.0
MSP-06			11.6
MSA-02		03 = 80	1.0
MSA-03			2.0
MSA-06			11.6
MSB-02		06 = 200	1.0
MSB-03			2.0
MSB-06			11.6
*MSW-02		06 = 200	1.0
*MSW-03			2.0
MSW-06			11.6

### Modular Flow Solenoid Valves



MODEL	MAX. OPERATING PRESSURE ( kgf/cm <sup>2</sup> )	ADJ. FLOW RATE ( l/min )	FREE FLOW ( l/min )
MFS-02	70	0.01- 4	30
MFS-03		0.01- 8	60

### Modular Base Plates



MODEL	PRESSURE ( kgf/cm <sup>2</sup> )	RATED FLOW ( l/min )	QUANTITY OF CONNECTED VALVES
*MMC-02	250	02 = 35 03 = 80 06 = 190	1 - 6
*MMC-03			
*DSGM-02			
*DSGM-03			
*DSGM-06			



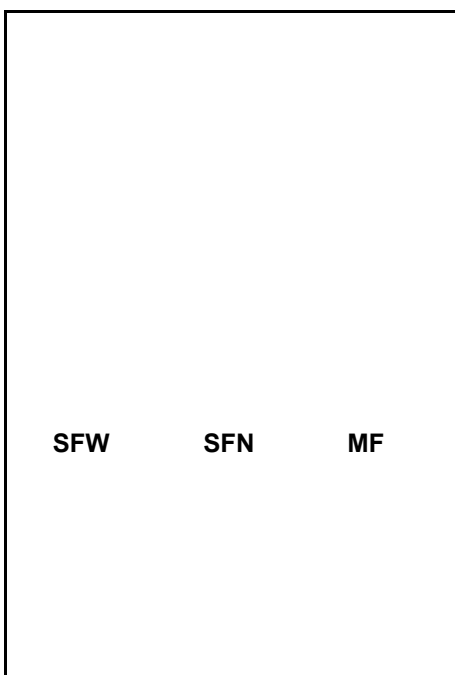
## Fin-tube Type Oil Coolers



HT

MODEL	OIL PORTS	WATER PORTS	RATED FLOW ( l/min )	HEAT TRANS AREA ( m² )	WEIGHT ( kg )
HT-0905	PT 3/4"	PT 3/4"	60	0.41	10
HT-0908	PT 3/4"	PT 3/4"	100	0.7	14
HT-1405	PT 1-1/4"	PT 1-1/4"	150	1.1	20
HT-1408	PT 1-1/4"	PT 1-1/4"	250	1.9	25
HT-1412	PT 1-1/2"	PT 1-1/4"	350	2.9	37
HT-1712	PT 2"	PT 1-1/4"	600	4.6	48
HT-1716	PT 2"	PT 1-1/4"	840	6.5	56

## Strainers



SFW

SFN

MF

MODEL	PT	FLOW ( l/min )	FILTRATION
*MF-04	1/2"	33	105
*MF-06	3/4"	55	
*MF-08	1"	110	
*MF-10	1-1/4"	210	
*MF-12	1-1/2"	285	
*MF-16	2"	395	
MF-20	2-1/2"	750	
SFW-04	1/2"	33	
SFW-06	3/4"	50	
SFW-08	1"	100	
SFW-10	1-1/4"	180	
SFW-12	1-1/2"	246	
SFW-16	2"	384	
SFN-06	3/4"	46	
SFN-08	1"	90	
SFN-10	1-1/4"	150	
SFN-12	1-1/2"	205	
SFN-16	2"	320	
SFN-24	3"	600	

## Fillers With Air Breathers

TOYO, HY			
MODEL	PT	MAX. FLOW ( l/min )	FILTRATION ( micron )
TOYO-50	2"	720	400
HY-10	2"	720	400

## Air Breathers

		AB	
MODEL	PT		
AB-16	2"		



## Couplings



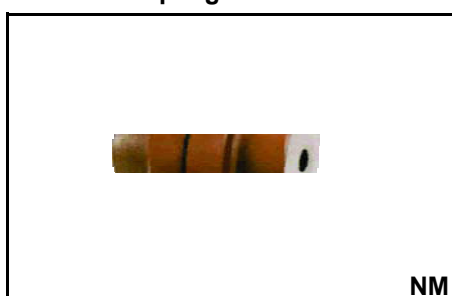
MODEL	HORSE POWER	BORE (mm)
OK-4012	1 HP	11 - 22
OK-4016	2-3 HP	15 - 30
OK-5016	5 HP	15 - 38
OK-5018	7.5-10 HP	19 - 45
OK-6018	15-20 HP	22 - 55
OK-6022	30 HP	25 - 75
OK-8018	40 HP	30 - 78
OK-8022	50 HP	35 - 95
OK-10020	75 HP	38 - 110

## Polyester Couplings



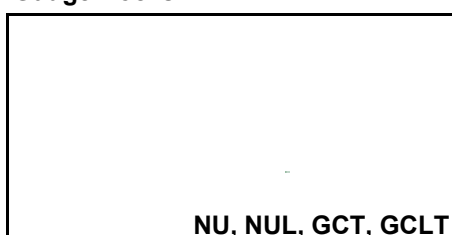
MODEL	HORSE POWER	BORE (mm)
DC-28	1 HP	10-28

## Rubber Couplings



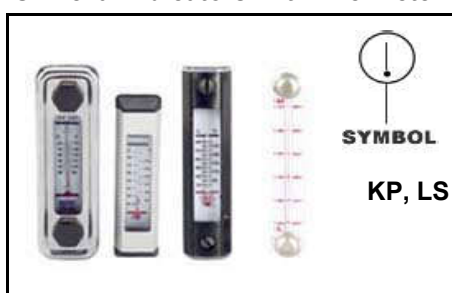
MODEL	HORSE POWER	BORE (mm)
NM-67	1 HP	8 - 28
NM-82	2-3 HP	10 - 32
NM-97	5-7.5 HP	12 - 42
NM-112	10-15 HP	14 - 48
NM-128	20 HP	18 - 55
NM-148	30 HP	22 - 65
NM-168	50 HP	28 - 76

## Gauge Cocks



MODEL		MAX. OPERATING PRESSURE (kgf/cm <sup>2</sup> )	RATED FLOW (l/min)
180°	90°		
*GCT-02	*GCLT-02	350	2
GCT-03	GCTL-03	350	2
NU-02	NUL-02	100	2
NU-03	NUL-03	100	2

## Oil Level Indicators With Thermeter



MODEL	LENGTH (mm)	WIDTH (mm)	THICK (mm)	PITCH	THERMO METER
KP-3"	97	34.5	19	3"	WITH
KP-5"	114	34.5	19	5"	WITH
*LS-3"	118	42	19	3"	WITH
*LS-5"	182	51	19	5"	WITH