01疊加閥
01 MODULAR VALVES

油研工業01新系列的液壓疊加閥，組裝緊湊，安裝容易，靈活易變，成本低，性能佳，耐用可靠。本疊加閥系列包含有方向控制，壓力控制，及流量調節控制等。

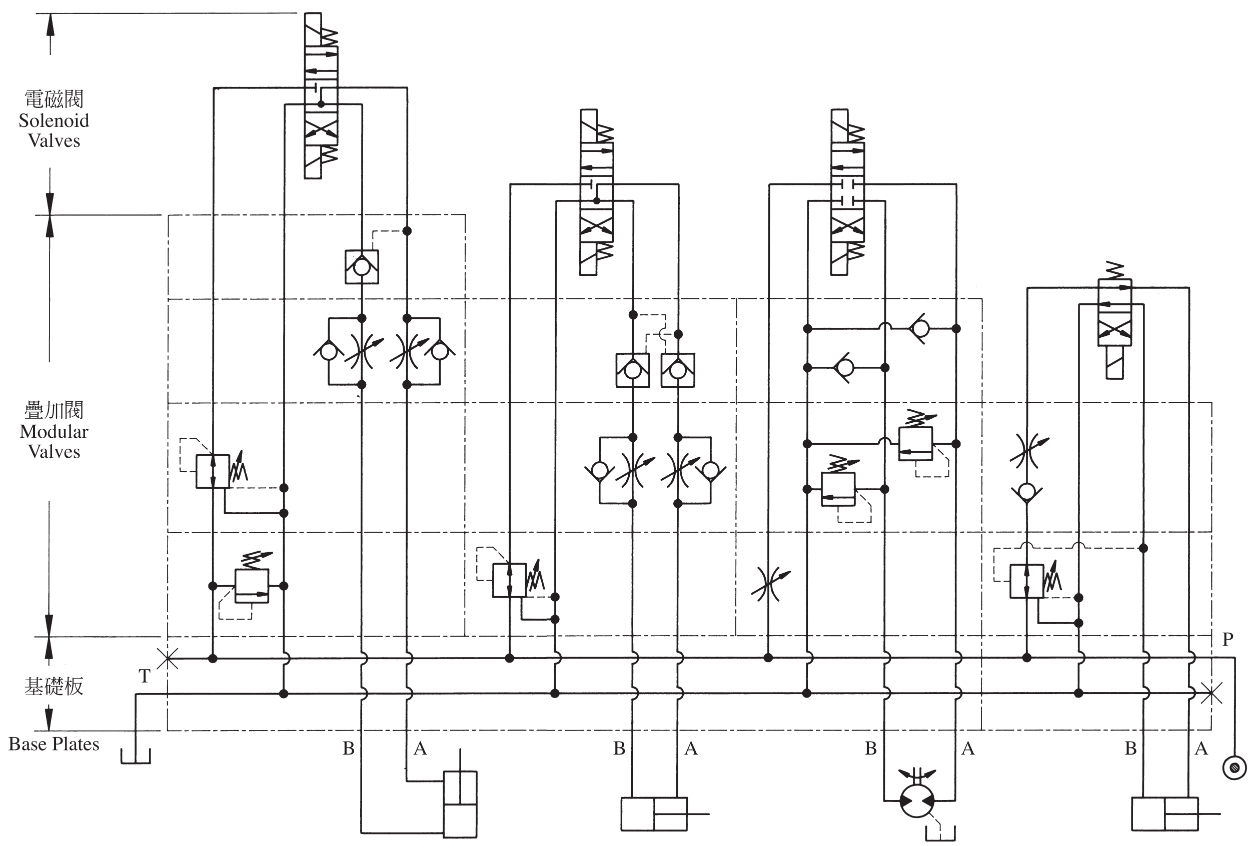
YUKEN KOGYO CO., LTD. 01 new series of modular valves offer economical assembles, combining great flexibility and high performance in a compact valve package.
The modular valve series include directional control, pressure control and flow regulating control.

特點 FEATURES

- 高壓力
- 大流量
- 系統設計靈活
- 組裝緊湊
- 洩漏、振動、噪音均小
- 保養容易

- High pressure : 31.5 MPa (321 kgf/cm^2)
- High flow : 40 L/min
- System design flexibility
- Simply compact installation
- Scant risk of leakage, noise and vibration
- Easy maintenance

疊加閥組裝實例 STACKING EXAMPLE

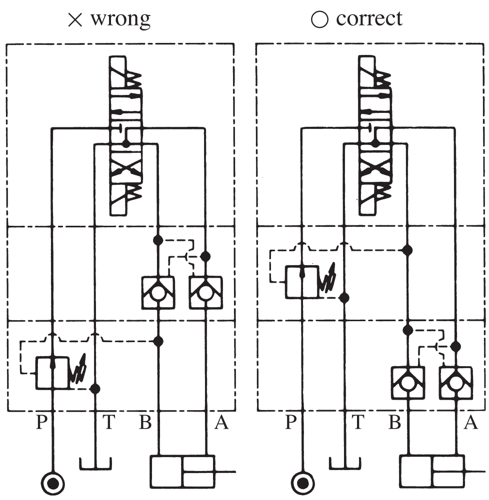


■ 安全注意範例 CARE IN APPLICATION

● 鎖定回路及減壓回路

左回路圖的安裝不能使
油壓缸保持固定位置

When MRB-01-* and MPW-01 are used together in the same circuit, the right circuit is correct, and the left is wrong, as MPW-01 would not be totally closed.



電磁閥
solenoid
valve
(DSG-01)

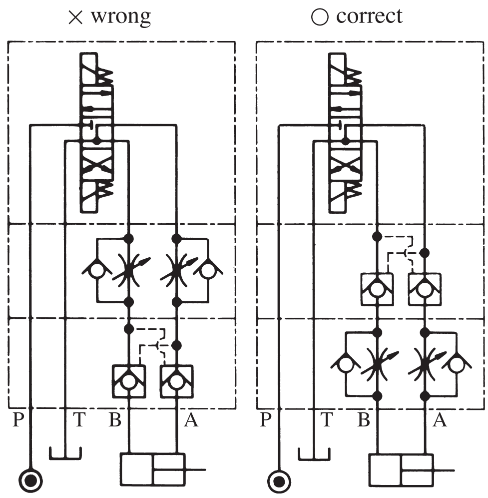
疊加式減壓閥
pressure
reducing
modular valve
(MRB-01-*)

疊加式
先導單向閥
pilot operated
check modular
valve
(MPW-01-*)

● 鎖定回路及速度控制

左回路圖的安裝會使油壓缸
產生震盪現象

When MSW-01-X and MPW-01-* are used together in the same circuit, MSW-01-X should be installed closer to the cylinder ports, otherwise the cylinder may have a "vibrating" phenomenon happened.



電磁閥
solenoid
valve
(DSG-01)

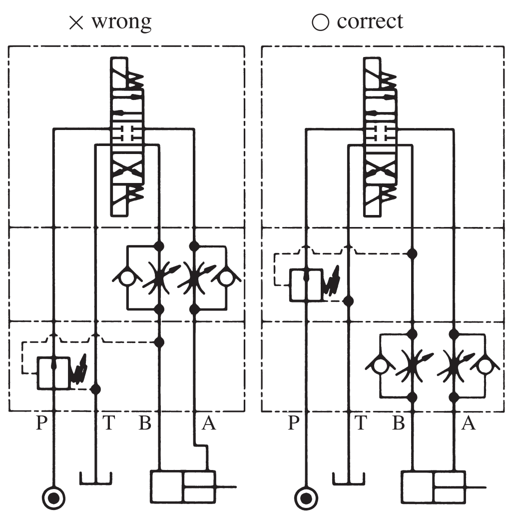
疊加式
先導單向閥
pilot operated
check modular
valve
(MPW-01)

疊加式單向節流閥
throttle and check
modular valve
(MSW-01-X)

● 速度控制及減壓回路

左回路圖的安裝會使油壓缸
拉力不足及速度降低

When MRB-01 and MSW-01-X are used together in the same circuit, the right circuit is correct, and the left is wrong, as the function of MRB-01will be affected when oil flow from B port to T port. Because MSW-01 will create a pressure which will cause MRB-01-* to reduce the pressure too low, and the cylinder then can not operate with enough force or move smoothly.

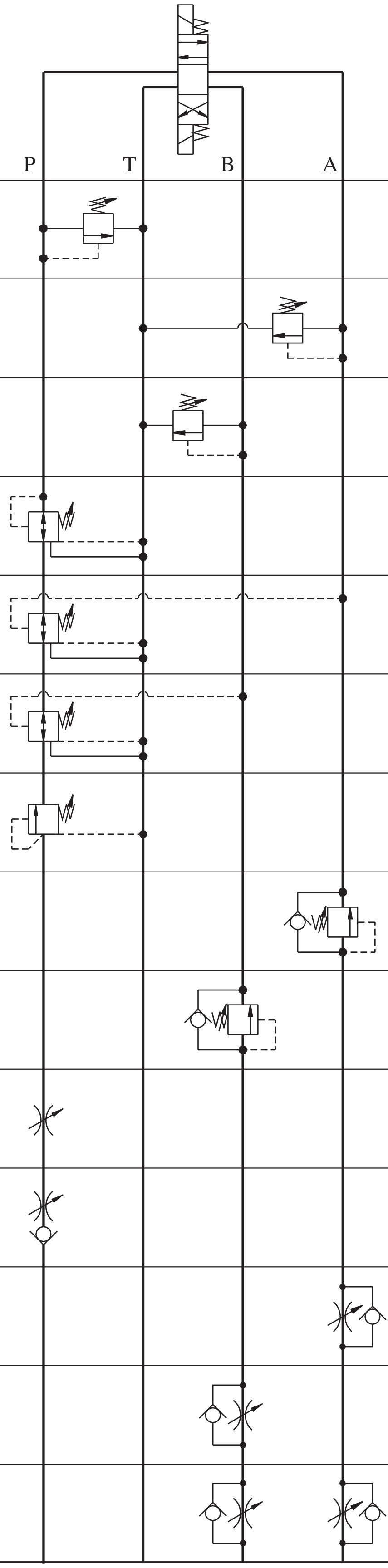


電磁閥
solenoid
valve
(DSG-01)

疊加式減壓閥
pressure
reducing
modular valve
(MRB-01)

疊加式單向節流閥
throttle and check
modular valve
(MSW-01-X)

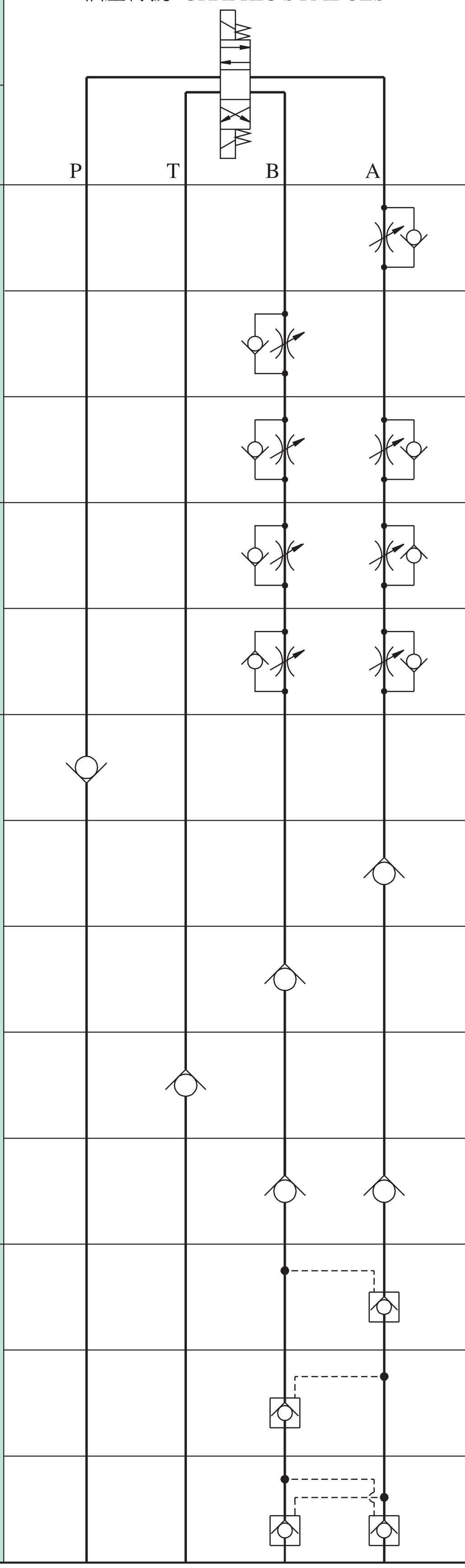
疊加閥系列一覽表 MODULAR VALVE SERIES

閥種類 VALVES	名稱 NAME	型式 TYPE	壓力範圍 PRESSURE RANGE MPa (kgf/cm²)	最大流量 MAX. FLOW (L/min)	油壓符號 GRAPHIC SYMBOLS	頁次 PAGE
方向控制閥 Directional Control Valves	電磁閥 Solenoid Valves	DSG-01-**-**	Max. Operating Pressure 31.5 (321)	63	 	—
壓力控制閥 Pressure Control Valves	溢流閥 Relief Modular Valve (Balance Types)	MBP-01-*-3070	C : ☆ ~14 (☆ ~143) H : 7~21 (71~214)	40		6～7
		MBA-01-*-3070				
		MBB-01-*-3070				
	減壓閥 Reducing Modular Valves	MRP-01-*-3070	A : 0.15~3.5 (1.5~36) B : 0.8~7 (8.2~71) C : 3.5~16 (36~163) H : 7~21 (71~214)	40		8～9
		MRA-01-*-3070				
		MRB-01-*-3070				
	順序閥 Sequence Modular valves	MHP-01-*-3070	C : 0.8~14 (8.2~143) H : 7~21 (71~214)	40		10
	抗衡閥 Counterbalance Modular Valves	MHA-01-*-3070	C : 0.8~14 (8.2~143) H : 3.5~21 (36~214)	40		11～12
		MHB-01-*-3070				
	節流閥 Throttle Modular Valves	MSP-01-50	Max. Operating Pressure 31.5 (321)	60		13～14
	節流單向閥 Check and Throttle Modular Valves	MSCP-01-30	Max. Operating Pressure 31.5 (321)	35		15～16
流量控制閥 Flow Control Valves	（出口）單向節流閥 (Meter Out) Throttle and Check Modular Valves	MSA-01-X-5070	Cracking Pressure 0.08 (0.8)	60		17～19
		MSB-01-X-5070				
		MSW-01-X-5070				

YUKEN 油壓機器

疊加閥系列一覽表 MODULAR VALVE SERIES

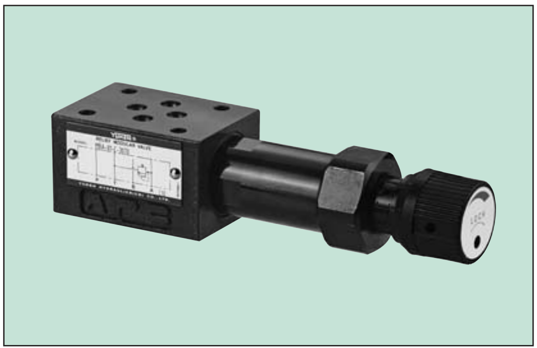
閥種類 VALVES	名稱 NAME	型式 TYPE	壓力範圍 PRESSURE RANGE MPa (kgf/cm^2)	最大流量 MAX. FLOW (L/min)	油壓符號 GRAPHIC SYMBOLS	頁次 PAGE
方向控制閥 Directional Control Valves	電磁閥 Solenoid Valves	DSG-01-**-**	Max. Operating Pressure 31.5 (321)	63		—
流量控制閥 Flow Control Valves	(入口) 單向節流閥 (Meter-In) Throttle and Check Modular Valves	MSA-01-Y-5070	Cracking Pressure 0.08 (0.8)	60		17～19
		MSB-01-Y-5070				
		MSW-01-Y-5070				
	(出.入口) 單向節流閥 (Meter Out. Mrter In) Throttle and Check Modular Valves	MSW-01-XY-5070	Cracking Pressure 0.08 (0.8)	60		17～19
		MSW-01-YX-5070				
方向控制閥 Directional Control Valves	單向閥 Check Modular Valves	MCP-01-*-3070	Cracking Pressure 0 : 0.035 (0.36) 2 : 0.2 (2) 4 : 0.4 (4.1)	40		20～21
		MCA-01-*-3070				
		MCB-01-*-3070				
		MCT-01-*-3070				
		MCW-01-*-3070				
	先導式單向閥 Pilot Operated Check Modular Valves	MPA-01-*-4070 MPDA-01-*-4071	Cracking Pressure 2 : 0.2 (2) 4 : 0.4 (4.1)	40		22～23
		MPB-01-*-4070 MPDB-01-*-4071				
		MPW-01-*-4070 MPDW-01-*-4071				



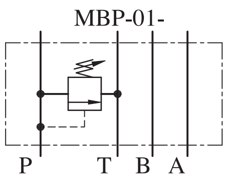
YUKEN 油壓機器

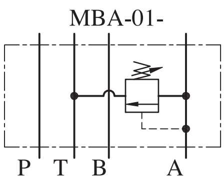
疊加式溢流閥
RELIEF MODULAR VALVES

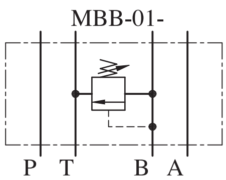
最高工作壓力 21 MPa
Max. Operating Pressure



油壓符號 GRAPHIC SYMBOLS







規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm^2)	Max. Flow L/min	Mass kg
MBP-01-*-3070	21 (214)	40	1.1
MBA-01-*-3070			
MBB-01-*-3070			

型號意義 MODEL NUMBER DESIGNATION

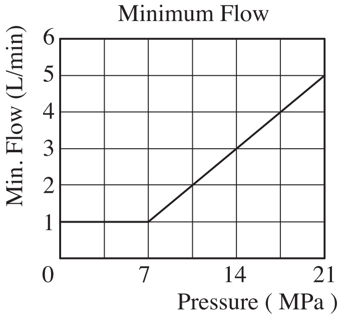
MBP	-01	-C	-3070
Series Number	Valve Size	Pres. Adj. Range MPa (kgf/cm^2)	Design Number
Relief Modular Valves MBP : For P - Line MBA : For A-Line MBB : For B-Line	01	C : ☆ ~ 14 (143) *1 H : 7 (71) ~ 21 (214)	3070

*1.See "Min. Adjustment Pressure " for the item marked ☆ .

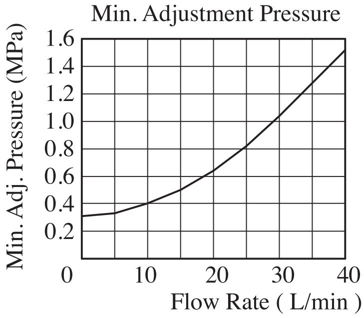
性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm^2/s) , Specific Gravity 0.850

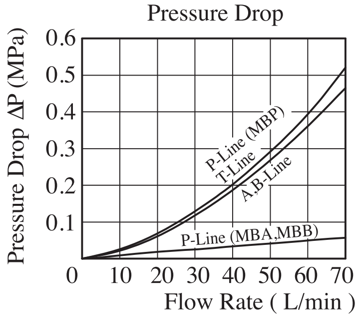
最小流量特性
Minimum Flow



最低調整壓力特性
Min. Adjustment Pressure



壓力降特性
Pressure Drop

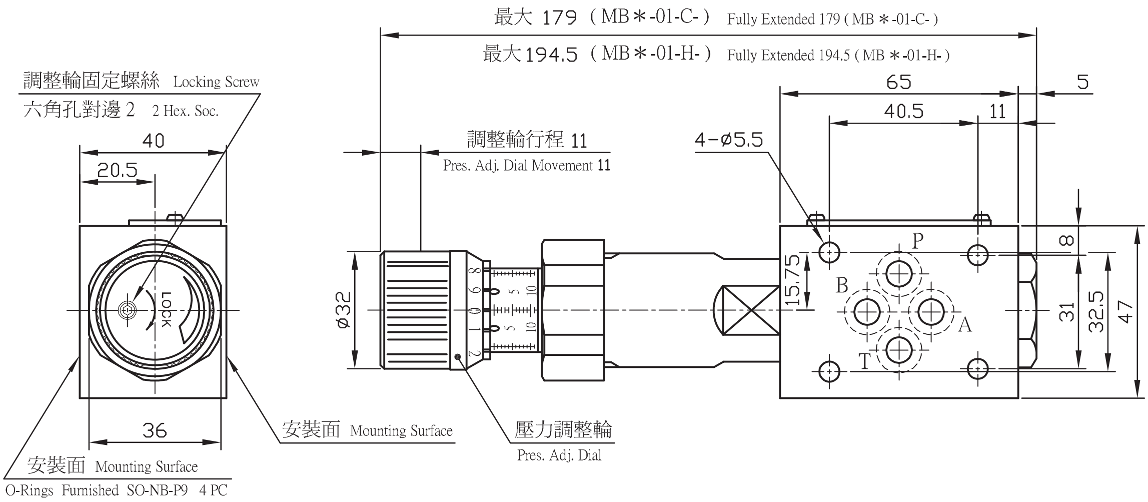


安裝尺寸 DIMENSIONS

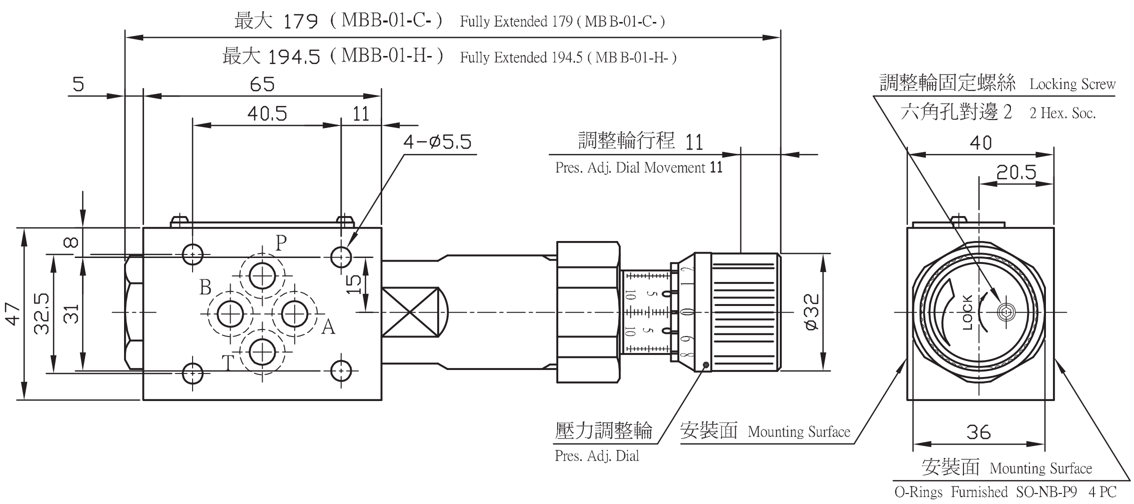
安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

DIMENSIONS IN MILLIMETRES

MBP-01-*-
MBA-01-*-

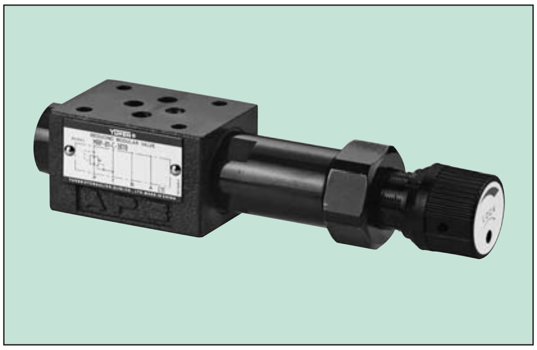


MBB-01-*-

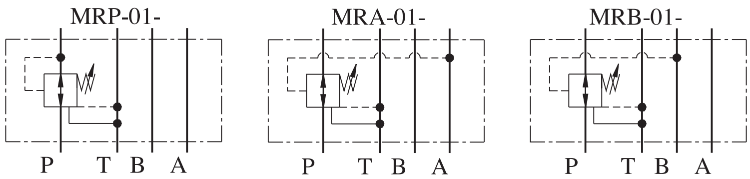


疊加式減壓閥
PRESSURE REDUCING MODULAR VALVES

最高工作壓力 25 MPa
Max. Operating Pressure



油壓符號 GRAPHIC SYMBOLS



規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm^2)	Max. Flow L/min	Mass kg
MRP-01-*-3070	25 (255)	40	1.2
MRA-01-*-3070			
MRB-01-*-3070			

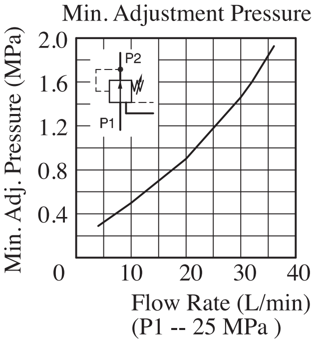
型號意義 MODEL NUMBER DESIGNATION

MRP	-01	-A	-3070
Series Number	Valve Size	Pres. Adj. Range MPa (kgf/cm^2)	Design Number
Reducing Modular Valves MRP : For P - Line MRA : For A - Line MRB : For B - Line	01	A : 0.15 (1.5) ~ 3.5 (36) B : 0.8 (8.2) ~ 7 (71) C : 3.5 (36) ~ 16 (163) H : 7 (71) ~ 21 (214)	3070

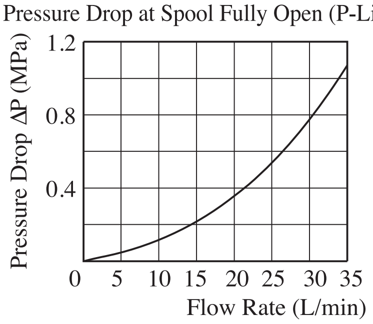
性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm^2/s) , Specific Gravity 0.850

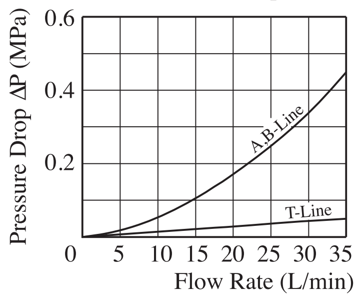
最低調整壓力特性
Min. Adjustment Pressure



調整輪全開時壓力降特性
Pressure Drop at Spool Fully Open (P-Line)



壓力降特性
Pressure Drop

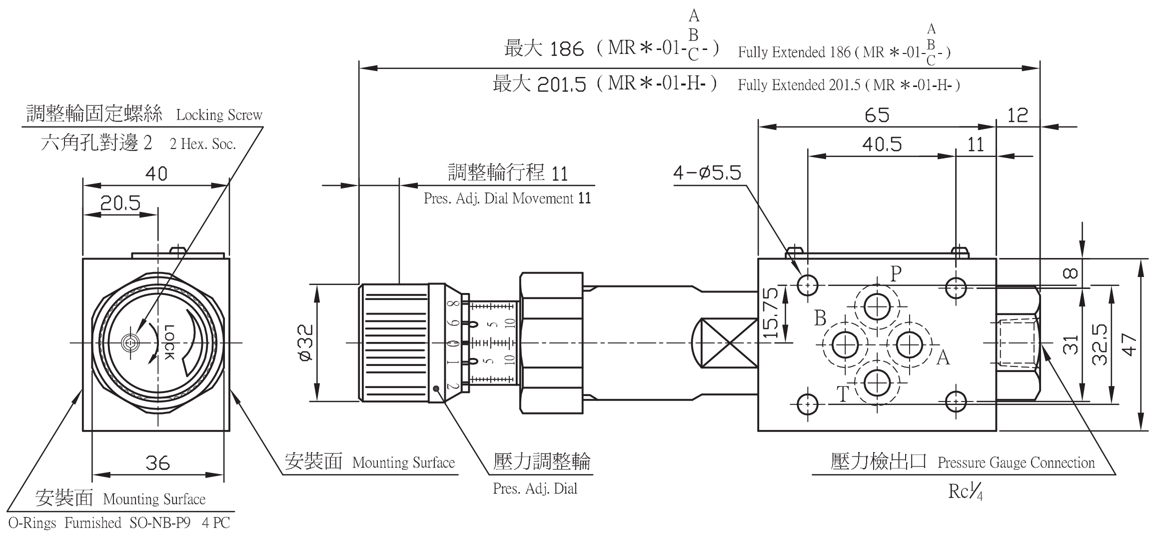


安裝尺寸 DIMENSIONS

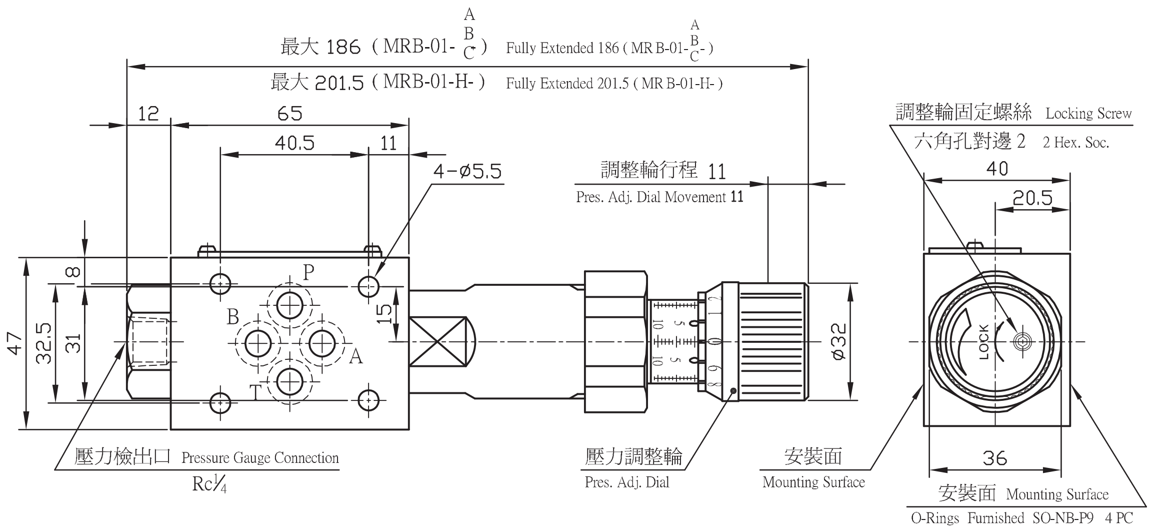
安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

DIMENSIONS IN MILLIMETRES

MRP-01-∗-
MRA-01-∗-

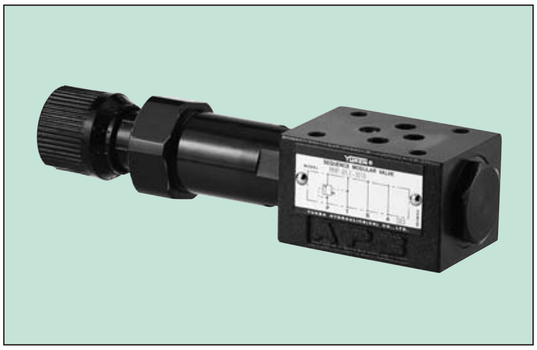


MRB-01-∗-

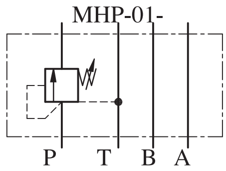


疊加式順序閥
SEQUENCE MODULAR VALVES

最高工作壓力 25 MPa
Max. Operating Pressure

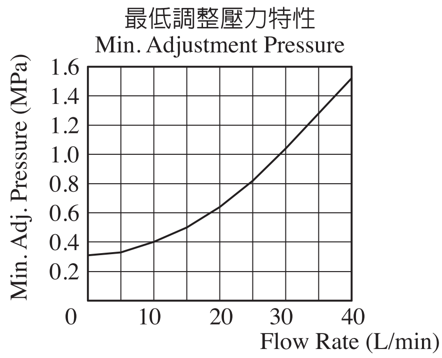


油壓符號 GRAPHIC SYMBOLS



性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm²/s) , Specific Gravity 0.850



規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm²)	Max. Flow L/min	Mass kg
MHP-01-*-3070	25 (255)	40	1.1

型號意義 MODEL NUMBER DESIGNATION

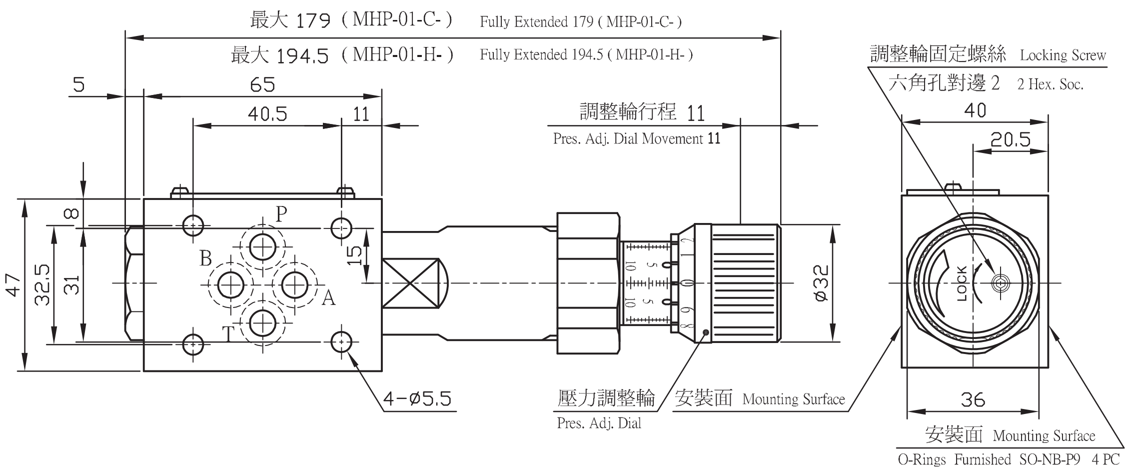
MHP	-01	-C	-3070
Series Number	Valve Size	Pres. Adj. Range MPa (kgf/cm²)	Design Number
Sequence Modular Valves MHP : For P - Line	01	C : 0.8 (8.2) ~ 14 (143) H : 7 (71) ~ 21 (214)	3070

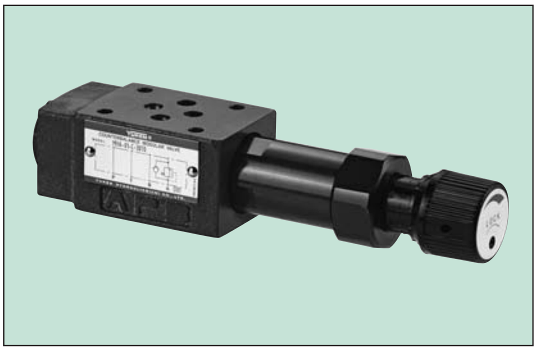
安裝尺寸 DIMENSIONS

安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

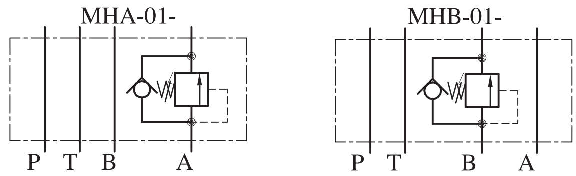
DIMENSIONS IN MILLIMETRES

MHP-01-*-





油壓符號 GRAPHIC SYMBOLS



規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm^2)	Max. Flow L/min	Mass kg
MHA-01-*-3070	25 (255)	40	1.3
MHB-01-*-3070			

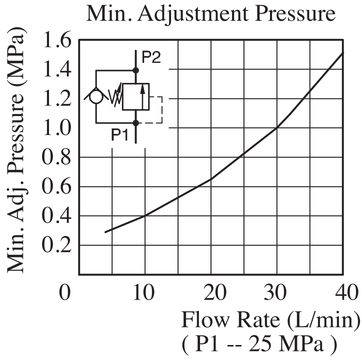
型號意義 MODEL NUMBER DESIGNATION

MHA	-01	-C	-3070
Series Number	Valve Size	Pres. Adj. Range MPa (kgf/cm^2)	Design Number
Counterbalance Modular Valves MHA : For A-Line MHB : For B-Line	01	C : 0.8 (8.2) ~ 14 (143) H : 3.5 (36) ~ 21 (214)	3070

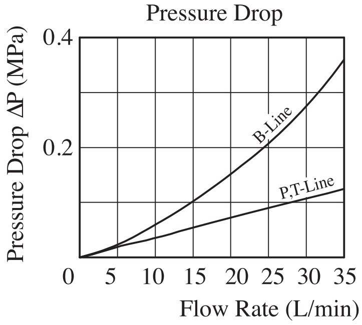
性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm^2/s) , Specific Gravity 0.850

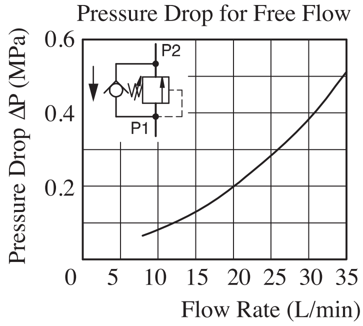
最低調整壓力特性
Min. Adjustment Pressure



壓力降特性 (MHA)
Pressure Drop



自由流壓力降特性
Pressure Drop for Free Flow

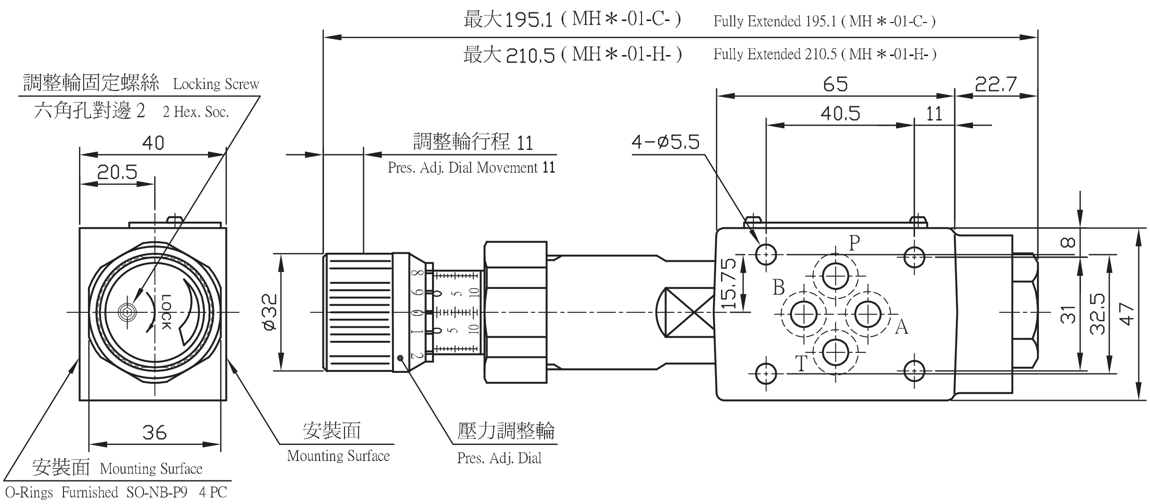


安裝尺寸 DIMENSIONS

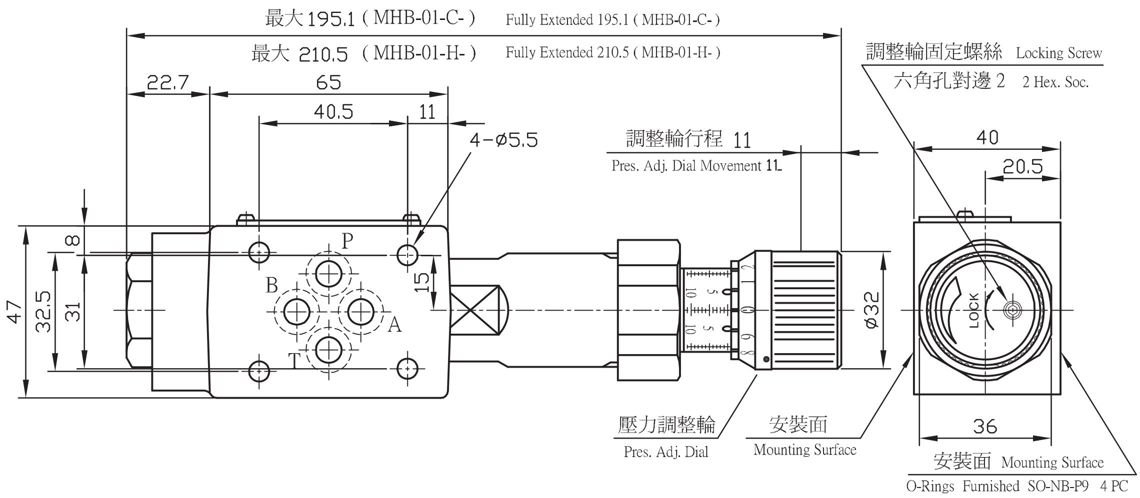
安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

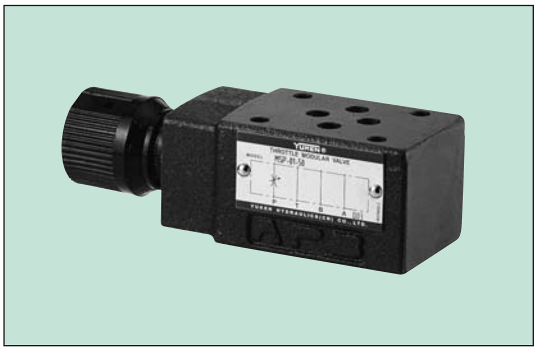
DIMENSIONS IN MILLIMETRES

MHA-01-*-



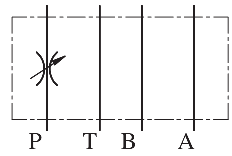
MHB-01-*-





油壓符號 GRAPHIC SYMBOLS

MSP-01-50



規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm²)	Max. Flow L/min	Mass kg
MSP-01-50	31.5 (321)	60 *1	1.2

*1 Maximum flow decreases when the differential pressure is less then 1.5 MPa (15 kgf/cm²).
See "Pressure Drop at Spool fully Open"

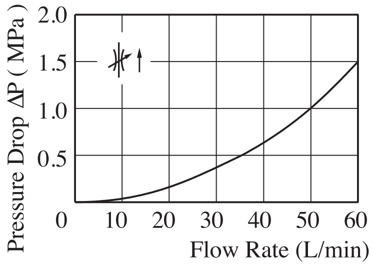
型號意義 MODEL NUMBER DESIGNATION

MSP	-01	-50
Series Number	Valve Size	Design Number
Throttle Modular Valves MSP : For P - Line	01	50

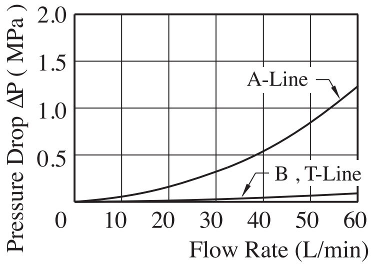
性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm²/s) , Specific Gravity 0.850

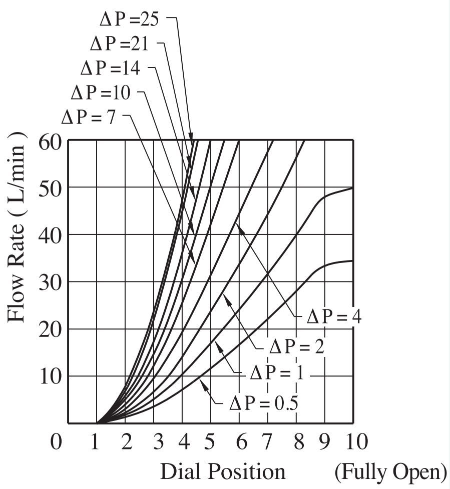
調整輪全開時壓力降特性
Pressure Drop at Spool Fully Open (P-Line)



壓力降特性
Pressure Drop



開度–流量特性
Metred Flow vs. Dial Position
ΔP : Differential Pressure (MPa)

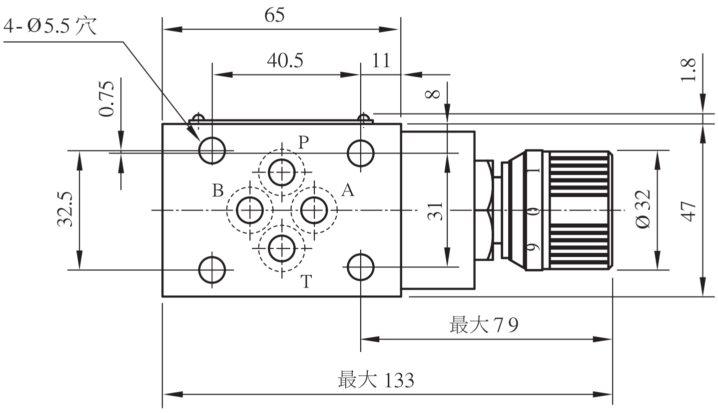


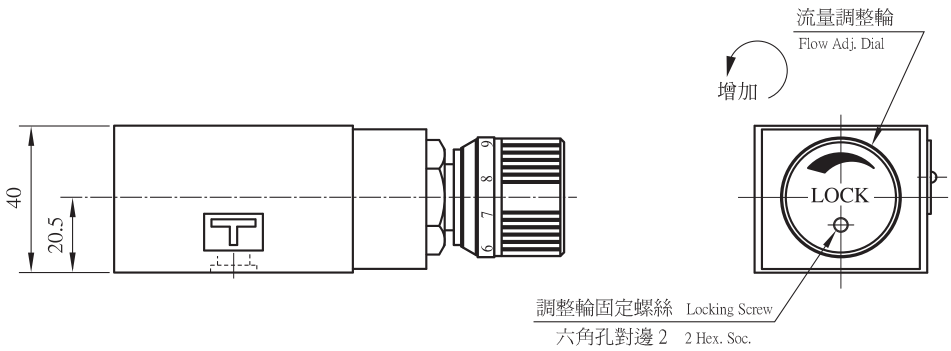
安裝尺寸 DIMENSIONS

安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

DIMENSIONS IN MILLIMETRES

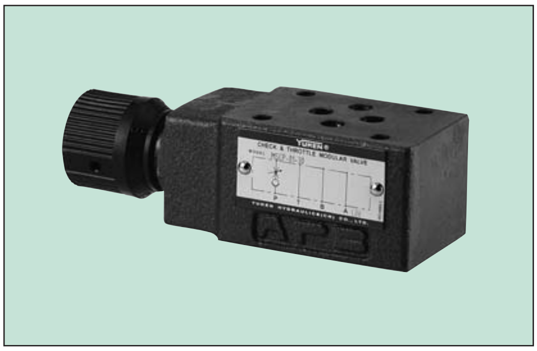
MSP-01





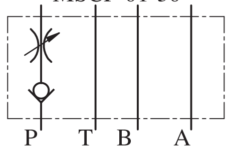
疊加式節流單向閥
CHECK AND THROTTLE MODULAR VALVES

最高工作壓力 31.5 MPa
Max. Operating Pressure



油壓符號 GRAPHIC SYMBOLS

MSCP-01-30



規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm²)	Max. Flow L/min	Mass kg
MSCP-01-30	31.5 (321)	35 *1	1.2

*1 Maximum flow decreases when the differential pressure is less then 0.8 MPa (8 kgf/cm^2).
See "Pressure Drop at Spool fully Open"

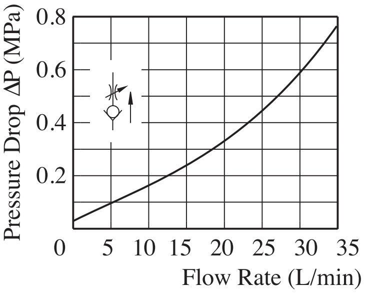
型號意義 MODEL NUMBER DESIGNATION

MSCP	-01	-30
Series Number	Valve Size	Design Number
Check and Throttle Modular Valves MSCP : For P - Line	01	30

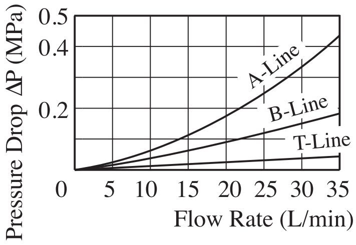
性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm^2/s) , Specific Gravity 0.850

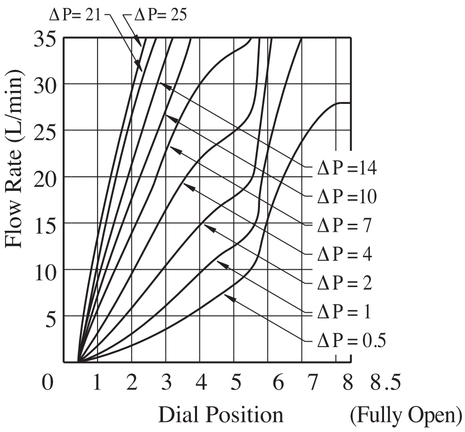
調整輪全開時壓力降特性
Pressure Drop at Spool Fully Open (P-Line)



壓力降特性
Pressure Drop



開度−流量特性
Metred Flow vs. Dial Position
ΔP : Differential Pressure (MPa)

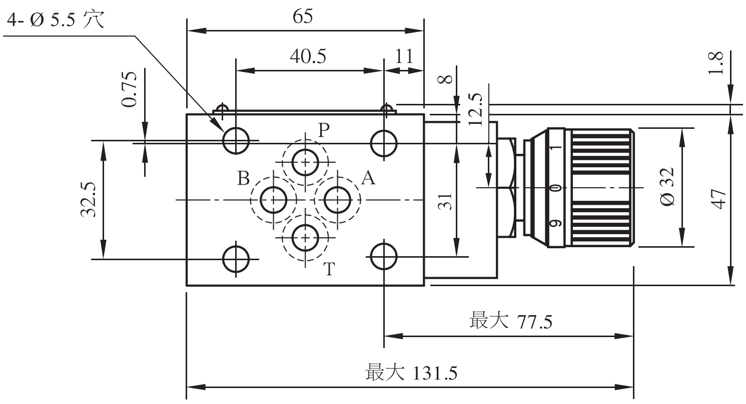


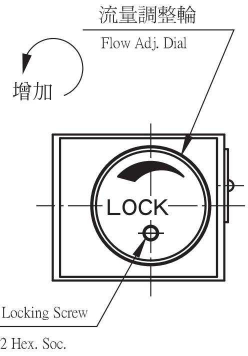
安裝尺寸 DIMENSIONS

安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

DIMENSIONS IN MILLIMETRES

MSCP-01

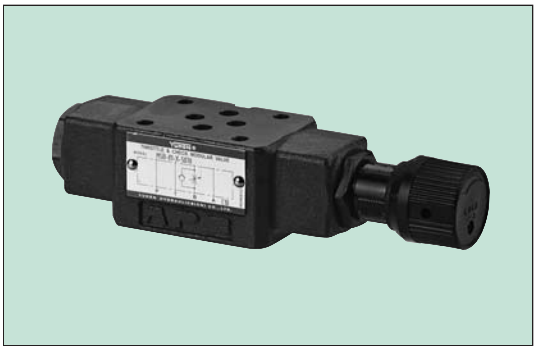




疊加式單向節流閥
THROTTLE AND CHECK MODULAR VALVES

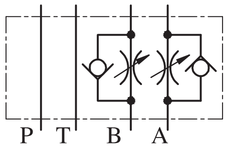
最高工作壓力 31.5 MPa
Max. Operating Pressure

YUKEN 油壓機器

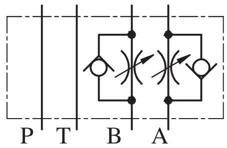


■ 油壓符號 GRAPHIC SYMBOLS

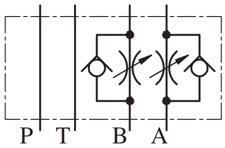
MSW-01-XY-



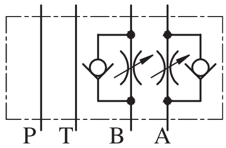
MSW-01-YX-



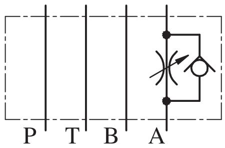
MSW-01-X-



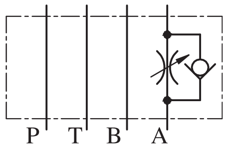
MSW-01-Y-



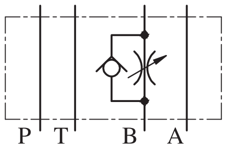
MSA-01-X-



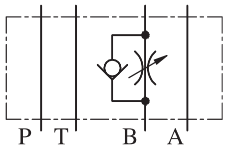
MSA-01-Y-



MSB-01-X-



MSB-01-Y-



■ 規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm²)	Max. Flow L/min	Mass kg
MSA-01-X(Y)-5070	31.5 (321)	60	1.3
MSB-01-X(Y)-5070			
MSW-01-X(Y)-5070			1.5
MSW-01-XY(YX)-5070			

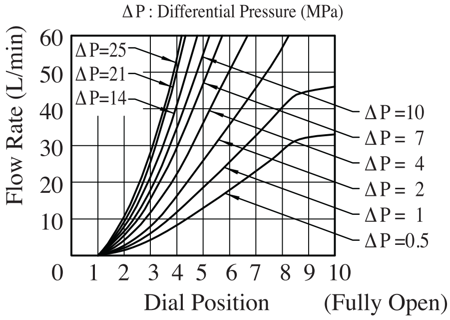
■ 型號意義 MODEL NUMBER DESIGNATION

MSA	-01	-X	-5070
Series Number	Valve Size	Direction of Flow	Design Number
Throttle And Check Modular Valves MSA : For A - Line MSB : For B - Line MSW : For A B - Line	01	X : Meter - Out Y : Meter - In	5070
Throttle And Check Modular Valves MSW : For A B - Line	01	XY : A -Line -- Meter Out , B - Line -- Meter In YX : A -Line -- Meter -In , B - Line -- Meter Out	5070

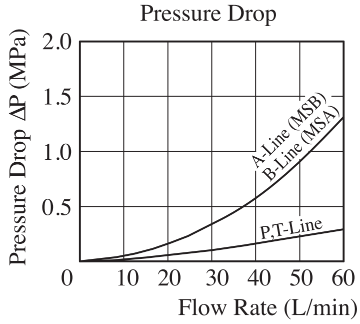
■ 性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm²/s) , Specific Gravity 0.850

開度–流量特性
Metred Flow vs. Dial Position
ΔP : Differential Pressure (MPa)



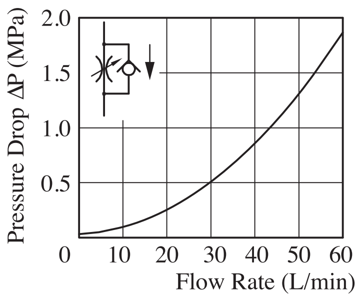
壓力降特性
Pressure Drop



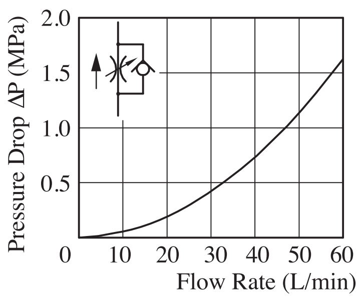
性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm²/s) , Specific Gravity 0.850

自由流壓力降特性
Pressure Drop for Free Flow



節流閥全開時壓力降特性
Pressure Drop at Throttle Fully Open

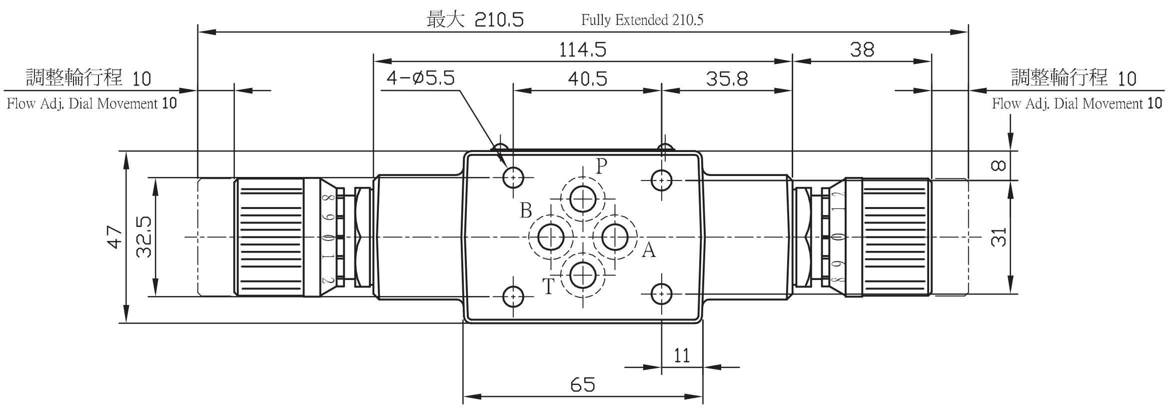


安裝尺寸 DIMENSIONS

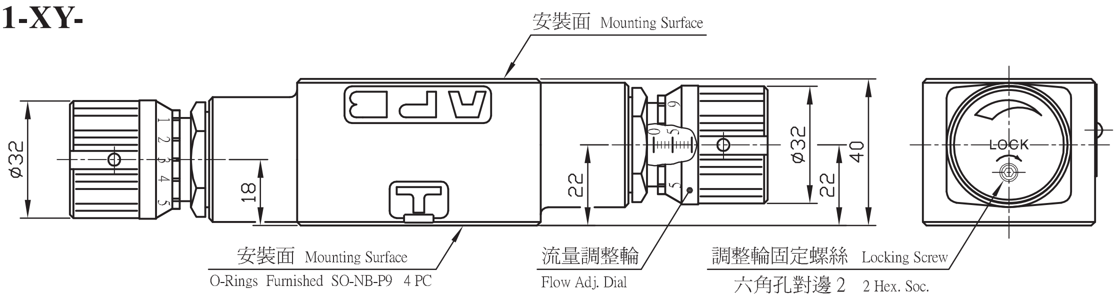
安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

DIMENSIONS IN MILLIMETRES

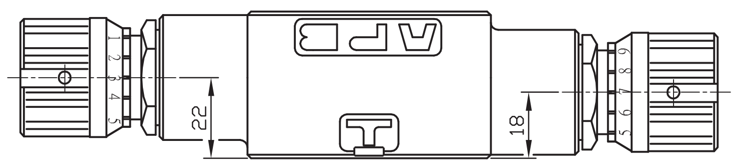
MSW-01-XY-
MSW-01-YX-



MSW-01-XY-



MSW-01-YX-

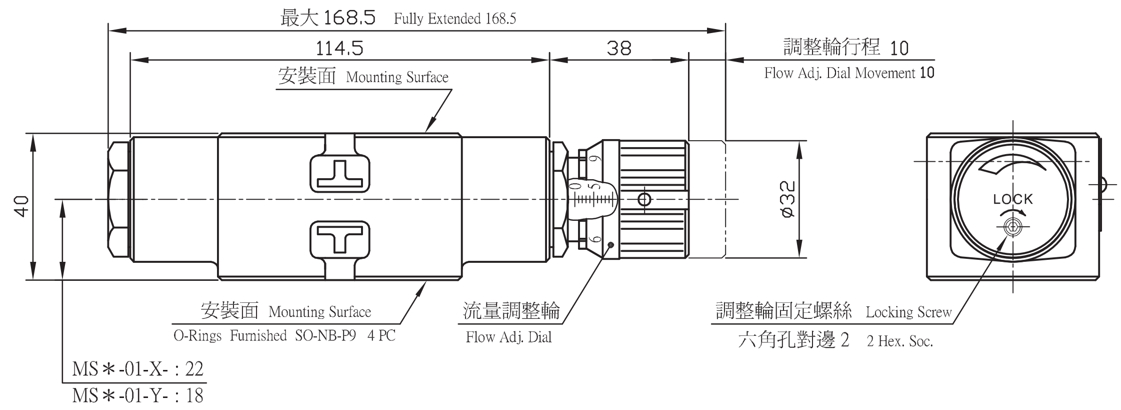


安裝尺寸 DIMENSIONS

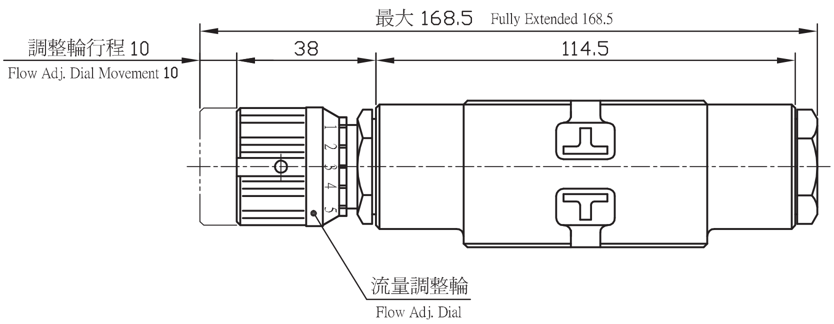
安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

DIMENSIONS IN MILLIMETRES

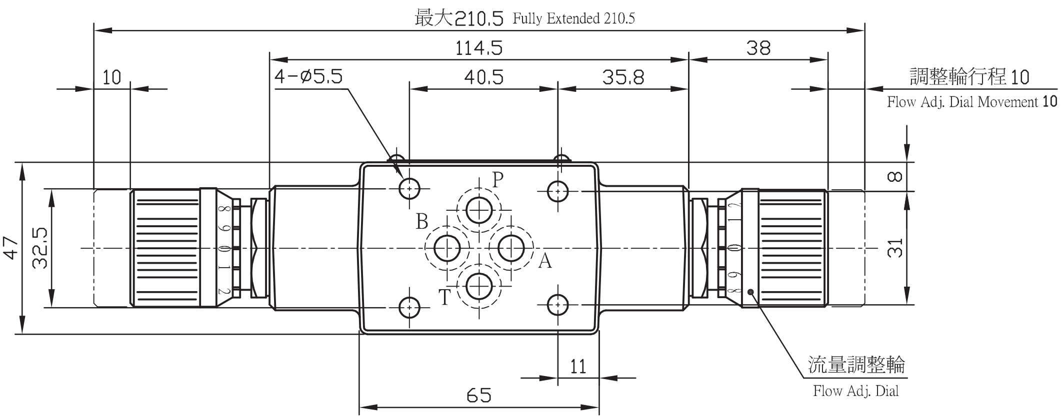
MSA-01-X(Y)-



MSB-01-X(Y)-



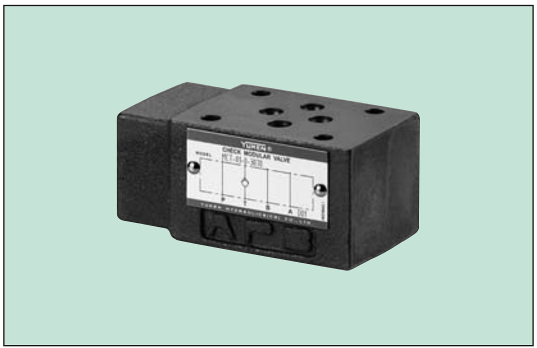
MSW-01-X(Y)-



YUKEN 油壓機器

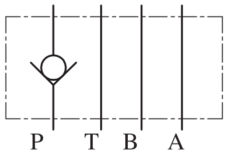
疊加式單向閥
CHECK MODULAR VALVES

最高工作壓力 31.5 MPa
Max. Operating Pressure

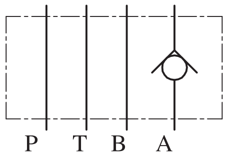


■ 油壓符號 GRAPHIC SYMBOLS

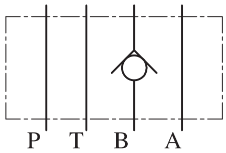
MCP-01-



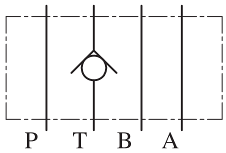
MCA-01-



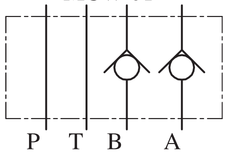
MCB-01-



MCT-01-



MCW-01-



■ 規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm^2)	Max. Flow L/min	Mass kg
MCP-01-*-3070	31.5 (321)	40	1.1
MCA-01-*-3070			
MCB-01-*-3070			
MCT-01-*-3070			
MCW-01-*-3070			

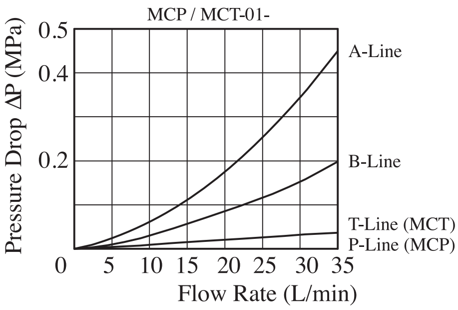
■ 型號意義 MODEL NUMBER DESIGNATION

MCP	-01	-2	-3070
Series Number	Valve Size	Cracking Pressure MPa (kgf/cm^2)	Design Number
Check Modular Valves MCP : For P - Line MCA : For A - Line MCB : For B - Line MCT : For T - Line MCW : For A B - Line	01	0 : 0.035 (0.36) 2 : 0.2 (2) 4 : 0.4 (4.1)	3070

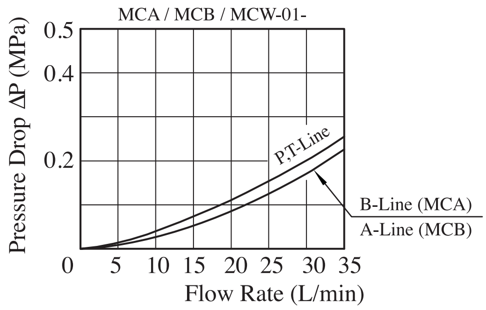
■ 性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm^2/s) , Specific Gravity 0.850

壓力降特性
Pressure Drop



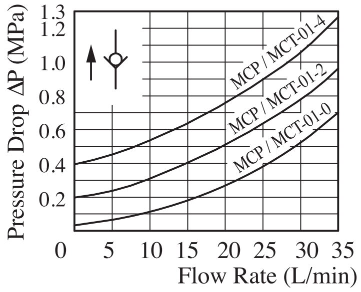
壓力降特性
Pressure Drop



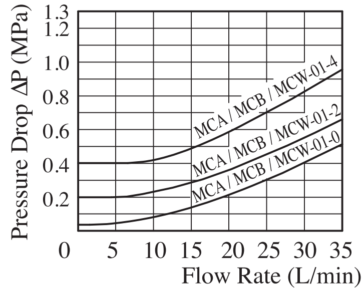
性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm²/s) , Specific Gravity 0.850

自由流壓力降特性
Pressure Drop for Free Flow
MCP / MCT-01-



自由流壓力降特性
Pressure Drop for Free Flow
MCA / MCB / MCW-01-

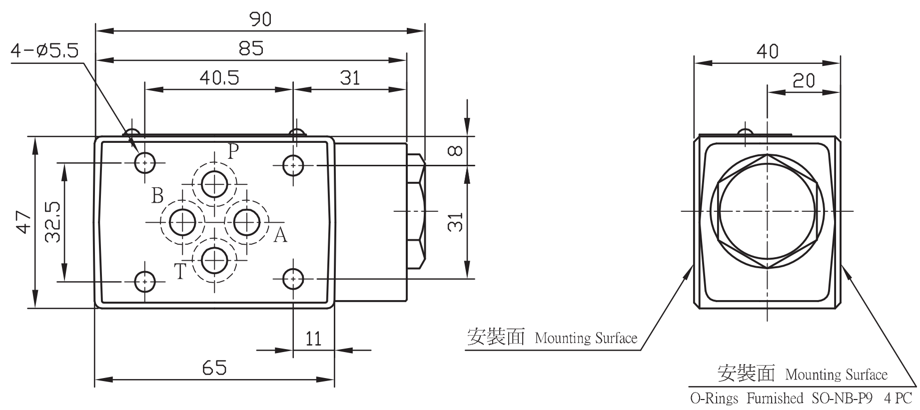


安裝尺寸 DIMENSIONS

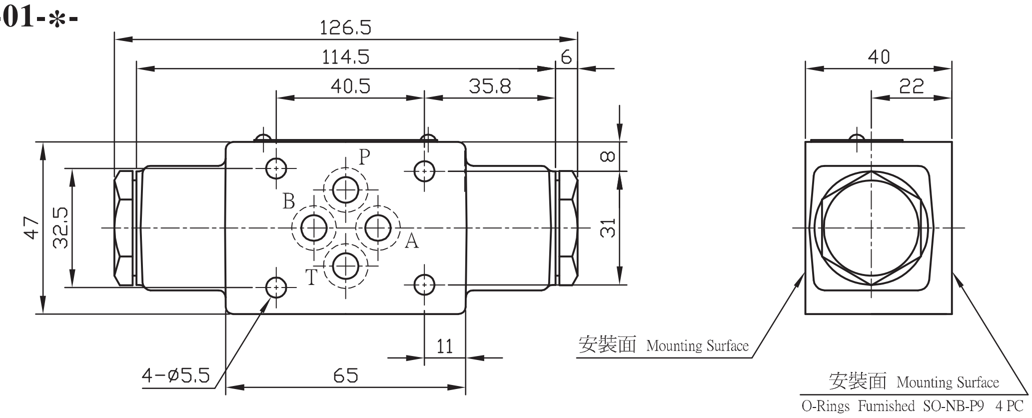
安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

DIMENSIONS IN MILLIMETRES

MCP-01-*-
MCT-01-*-



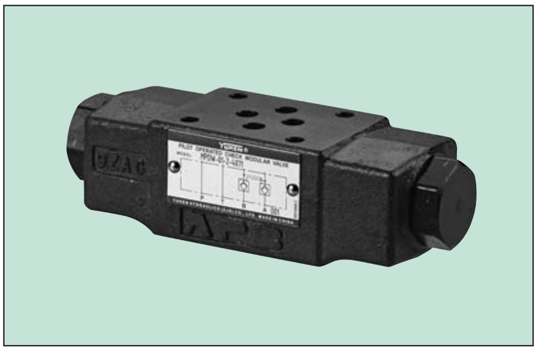
MCA-01-*-
MCB-01-*-
MCW-01-*-



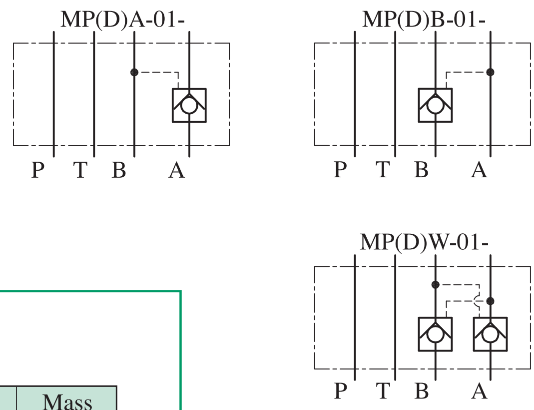
YUKEN 油壓機器

疊加式先導單向閥
PILOT OPERATED CHECK MODULAR VALVES

最高工作壓力 31.5 MPa
Max. Operating Pressure



■ 油壓符號 GRAPHIC SYMBOLS



■ 規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm²)	Max. Flow L/min	Mass kg
MPA-01-∗-4070	31.5 (321)	40	1.2
MPB-01-∗-4070			
MPW-01-∗-4070			
MPDA-01-∗-4071			
MPDB-01-∗-4071			
MPDW-01-∗-4071			

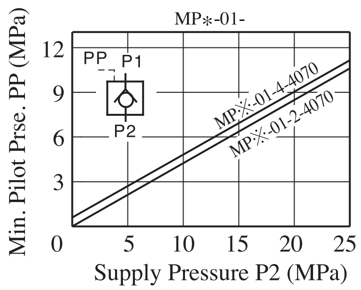
■ 型號意義 MODEL NUMBER DESIGNATION

MPA	-01	-2	-4070
Series Number	Valve Size	Cracking Pressure MPa (kgf/cm²)	Design Number
Pilot Operated Check Modular Valves MPA : For A - Line MPB : For B - Line MPW : For A B - Line	01	2 : 0.2 (2) 4 : 0.4 (4.1)	4070
Decompression Type Pilot Operated Check Modular Valves MPDA : For A - Line MPDB : For B - Line MPDW : For A B - Line			4071

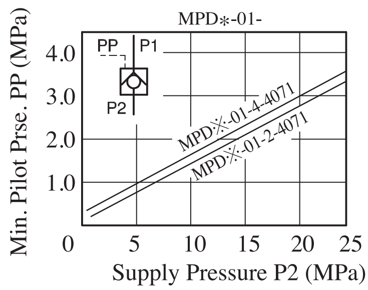
■ 性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm²/s) , Specific Gravity 0.850

最低開啓壓力特性
Min. Pilot Pressure



最低開啓壓力特性
Min. Pilot Pressure



疊加式先導單向閥
PILOT OPERATED CHECK MODULAR VALVES

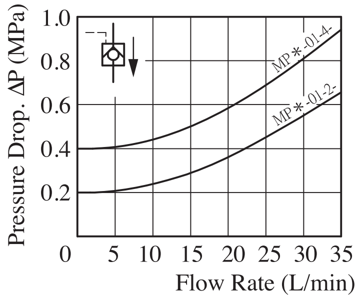
最高工作壓力 31.5 MPa
Max. Operating Pressure

YUKEN 油壓機器

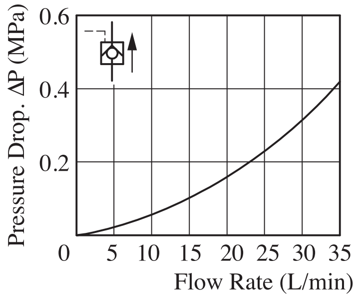
性能曲線 PERFORMANCE CURVES

Hydraulic Fluid : Viscosity 35 cSt (35 mm²/s) , Specific Gravity 0.850

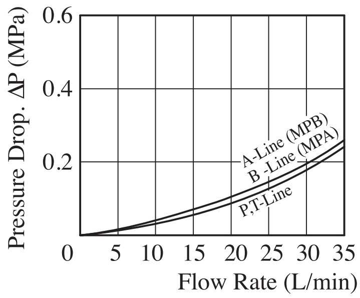
自由流壓力降特性
Pressure Drp for Free Flow



逆自由流壓力降
Pressure Drp for Reversed Controlled Flow



壓力降特性
Pressure Drp

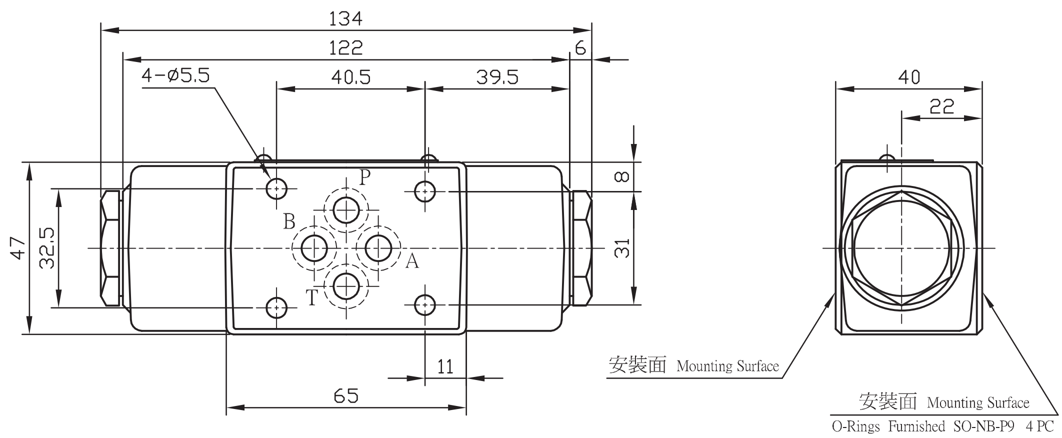


安裝尺寸 DIMENSIONS

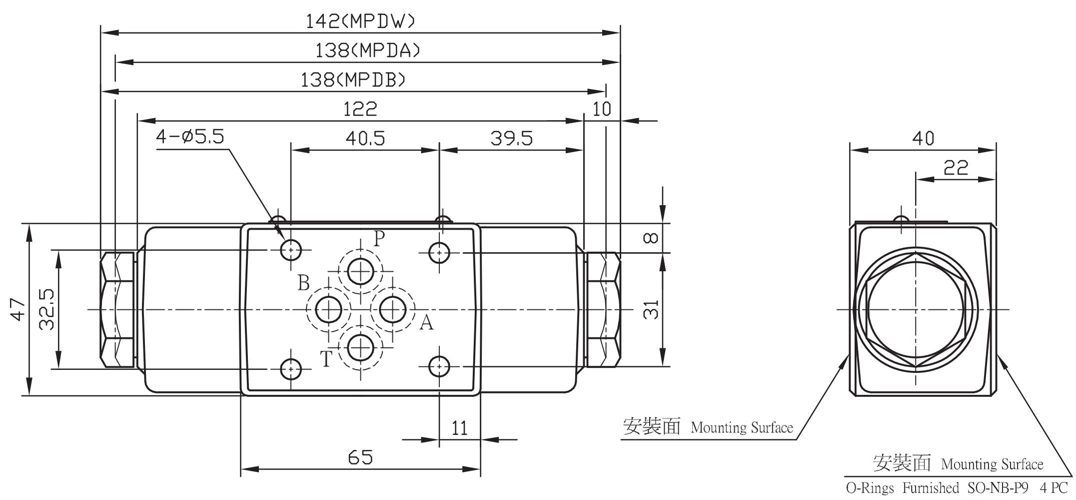
安裝尺寸符合 : ISO 4401-AB-03-4-A
Mounting Surface : ISO 4401-AB-03-4-A

DIMENSIONS IN MILLIMETRES

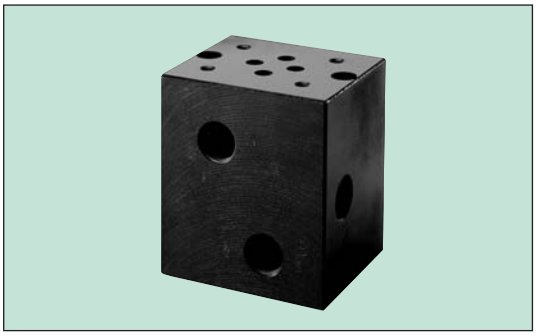
MP∗-01-∗-

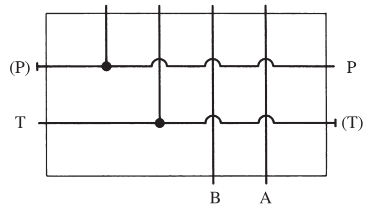


MPD∗-01-∗-



基礎板
BASE PLATES





MMC-01-1

規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm^2)	Max. Flow L/min
MMC-01-1	25 (255)	40

型號意義 MODEL NUMBER DESIGNATION

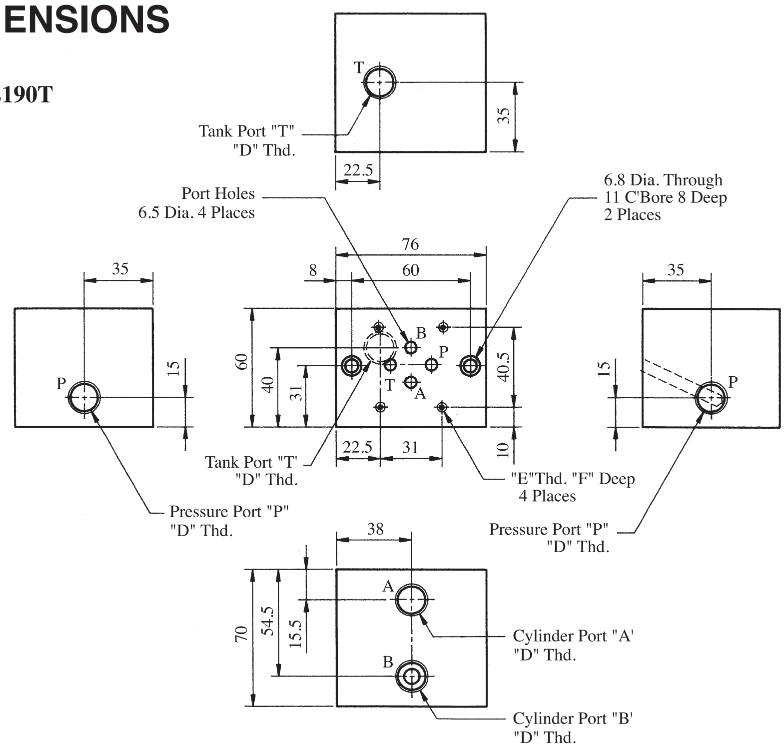
MMC	-01	-1	-21T
系列名稱 Series Number	口徑 Plate Size	連數 Number of Station	設計代號 Design Number
基礎板 MMC: Base Plates	01	1:1 Station	21T*

＊ 設計標準：21T . . .台灣油研設計標準
2190T . . .北美設計標準

* Design Standards 21T . . . .Yuken Taiwan Standard
2190T. . .N. American Design Standard

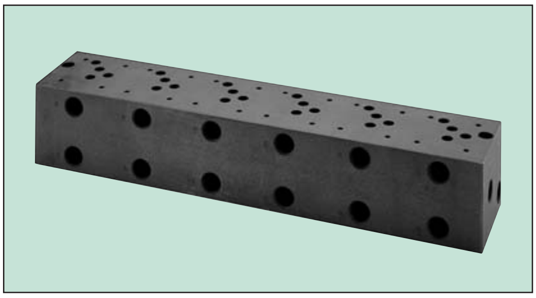
安裝尺寸 DIMENSIONS

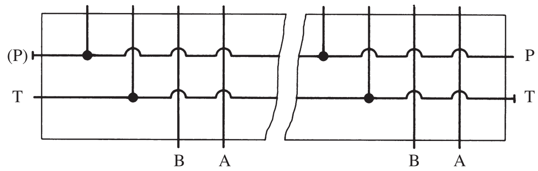
● **MMC-01-1-21T/2190T**



Model Numbers	Piping Size "D" Thd.	"E" Thd.	Dimension mm F	Mass
MMC-01-1-21T	Rc 3/8	M5	10	2.25 kg
MMC-01-1-2190T	3/8 NPT	No,10-24 UNC	12	

基礎板
BASE PLATES





MMC-01-2 ~ 10

■ 規格 RATING

Model No.	Max. Operating Pressure MPa (kgf/cm^2)	Max. Flow L/min
MMC-01-*-	25 (255)	40

■ 型號意義 MODEL NUMBER DESIGNATION

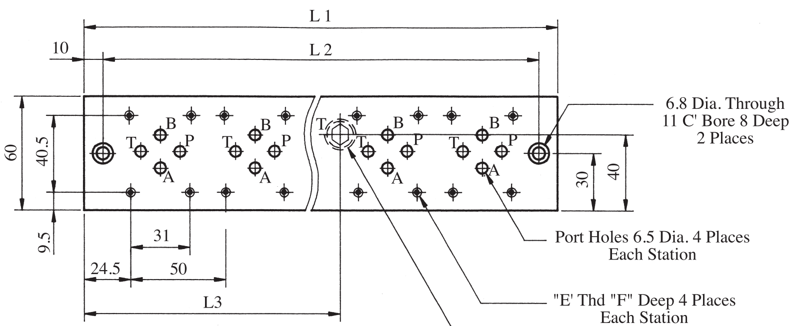
MMC	-01	-6	-21T
系列名稱 Series Number	口徑 Plate Size	連數 Number of Stations	設計代號 Design Number
基礎板 MMC: Base Plates	01	2:2 Stations 3:3 Stations 4:4 Stations 5:5 Stations 6:6 Stations 7:7 Stations 8:8 Stations 9:9 Stations 10:10 Stations	21T*

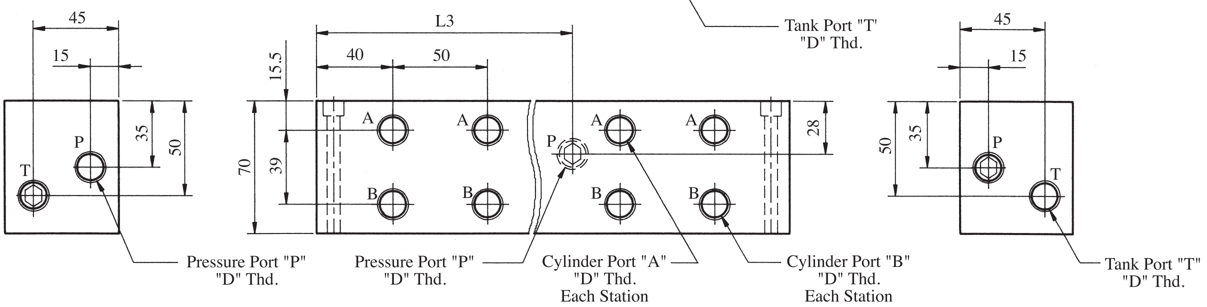
* 設計標準：21T . . . . .台灣油研設計標準
2190T . . .北美設計標準

* Design Standards 21T . . . . .Yuken Taiwan Standard
2190T . . .N. American Design Standard

安裝尺寸 DIMENSIONS

● **MMC-01-*-21T/2191T**





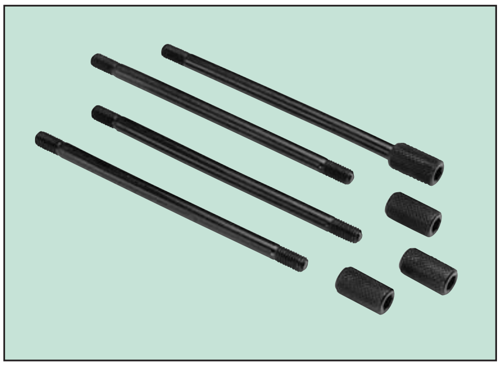
Model Numbers	Piping Size "D" Thd.	"E" Thd.	Dimension mm F
MMC-01-*-21T	Rc 3/8	M5	10
MMC-01-*-2190T	3/8 NPT	No,10-24 UNC	12

Model Numbers	Dimensions mm L1	L2	L3	Mass
MMC-01-2	130	110	65	3.55 kg
MMC-01-3	180	160	65	4.95 kg
MMC-01-4	230	210	115	6.35 kg
MMC-01-5	280	260	115	7.75 kg
MMC-01-6	330	310	165	9.25 kg

Model Number	Dimension mm L1	L2	L3	Mass
MMC-01-7	380	360	165	10.65 kg
MMC-01-8	430	410	215	12.05 kg
MMC-01-9	480	460	215	13.45 kg
MMC-01-10	530	510	265	14.85 kg

YUKEN 油壓機器

安裝螺栓組件
MOUNTING BOLT KITS



疊加閥用４根M５螺栓安裝，閥的組合隨回路的型式而異。因此，安裝螺栓組件依不同的組合型式供應。訂購螺栓組件時，請按下表註明螺栓組件型號。

Valves are mounted with four stud bolts. Valve combination varies according to the circuit type. Hence, the mounting bolt kits are available on a combination type basis. When ordering the bolt kit, be sure to give the bolt kit model number from the table below.

型號意義 MODEL NUMBER DESIGNATION

MBK	-01	-02	-30
系列號 Series Number	疊加閥口徑 Size of Modular Valve	疊加閥個數 Q'TY of Modular Valves	設計代號 Design Number
MBK: 疊加閥螺栓組件 Bolt Kits for Modular Valve	01	01,02,03,04, （參見下選擇表） (Refer to the following chart)	30*

* 設計標準：30··········JIS,歐洲設計標準
3090·······北美設計標準

* Design Standard : 30·········JIS and European Design Standard
3090·····N. American Design Standard

● 螺栓組件構成

雙頭螺栓·········４支 } 一組
螺帽···············４個

● Bolt Kit Structure:

Stud Bolt ......4 Pcs. } 1 set
Nut................4 Pcs.

● 鎖緊扭矩 Tightening Torque:

工作壓力 MPa { kgf/cm^2 }	鎖緊扭矩 Nm (kgf-m)
25{255} 以下	5~6{0.5~0.6}
25{255} 以上	6~7{0.6~0.7}

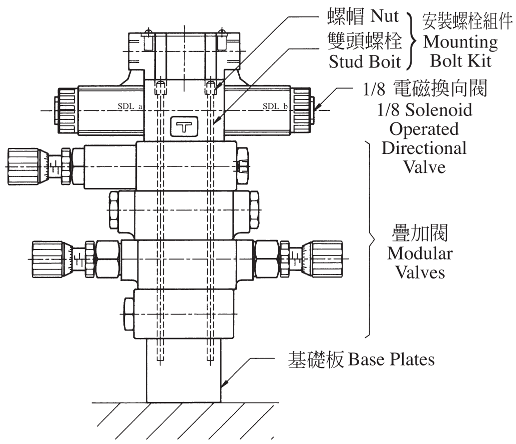
安裝螺栓組件
MOUNTING BOLT KITS

選擇表 BOLT KITS SELECTION CHART

螺栓組件型號 Model Numbers	疊加閥的數量 Quantity of valves to be stacked			
	電磁換向閥 Solenoid Operated Directional Valve (DSGY-01, ∗-DSG-01)	頂板 End Plate (MDC-01)	疊加閥和連接板 Modular Valve & Connecting Plate (M∗∗-01)	質量 Mass g(lbs.)
MBK-01-01-30∗	1	0	1	60 (.13)
	0	1		
MBK-01-02-30∗	1	0	2	100 (.22)
	0	1		
MBK-01-03-30∗	1	0	3	130 (.29)
	0	1		
MBK-01-04-30∗	1	0	4	160 (.35)
	0	1		

★１.MBK-01-04-30型的工作壓力應限在25MPa{255kgf/cm^2}以內。
The Working Pressure of MBK-01-04-30 Is Less Than 25MPa{255kgf/cm^2}.

★２.電磁換向閥帶安裝螺栓。
The solenoid operated directional valve comes with mounting bolts.

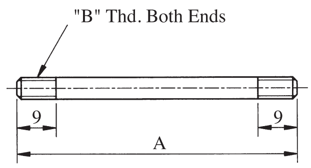


01系列疊加閥裝配圖
01 Series Modular Valve Assembly

安裝尺寸 DIMENSIONS

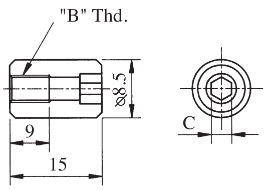
● **MBK-01-∗-30/3090**

● **雙頭螺栓 Stud Bolt**



Model Numbers	A
MBK-01-01	94(3.70)
MBK-01-02	134(5.28)
MBK-01-03	174(6.85)
MBK-01-04	214(8.43)

● **螺帽 Nut**



Model Numbers	"B"Thd.	C
MBK-01-∗-30	M5	4 (.16)
MBK-01-∗-3090	No.10-24 UNC	4.7 (5/32)

單位：mm
in.

DIMENSION IN MILLIMETRES (INCHES)