

PRESSURE REDUCING MODULAR VALVES

積層型減壓閥

MBR SERIES

◆ MODEL 型 式

MBR-02



◆ FEATURES

- MBR series modular reducing valves can be used to reduce pressure the "P" port, "A" port, or "B" port.
- Casting iron bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Three standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MBR系列積層型減壓閥可使用 P孔、A孔、B孔，減少壓力。
- 閥本體鑄鐵製造且耐久性、壽命長。
- 內部硬鋼零件提高壽命。
- 三種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 稱	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
MBR-02-P	315 (4500 psi)	1/4"	40 (10.58 gpm)	1.2 (2.7 lbs)
MBR-02-A				
MBR-02-B				
Fluid Type 液體型式			ISO VG 32 , 46 , 68	
Viscosity 黏性 cSt			10-400 (59-1854 SSU)	
Operating Temperature 操作溫度 °C			-15-70 (-5-158°F)	
Contamination Level 污染程度			ISO4406. 21/19/16 NAS1638,10	
Surface Treatment 表面處理			Zinc Phosphate Compound 鋅 磷酸鹽 化合物	

- All screws with metric measure, if require inch measure, please contact us.
所有螺絲皆為公制標準規格品，若需英制螺絲請與我們聯繫說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6	7	8
MBR	02	P	1	*	*	2H	20

1 VALVE SERIES 系列名稱

MBR=Pressure Reducing Modular Valves

2 SUBPLATE MOUNTING SIZE: 接口尺寸

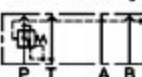
02=1/4"(6mm)
ISO CETOP3
DIN NG 6
NFA D03

3 CONTROL PORT(S) 動作形式

P=P Port Only

A=A Port Only

B=B Port Only



4 PRESSURE ADJUSTMENT 壓力調整範圍

1. 3 ~ 35 (bar)
2. 3 ~ 70 (bar)
3. 5~210 (bar)

5 SHAPE 調整器形狀

- NONE: TOOL ADJUST 無，工具調整式
K: HAND-BAR ADJUST K：手把調整式

6 ORIENTATION 調整器方向

- NONE: B ORIENTATION (Standard) 無：B方向(標準型)
L: A ORIENTATION L：A方向

7 LENGTH 調整器長度

- NONE: STANDARD 無，標準長度
2H: 3H: 4H

8 DESIGN NO 設計編號

PRESSURE REDUCING MODULAR VALVES

MBR SERIES

積層型減壓閥

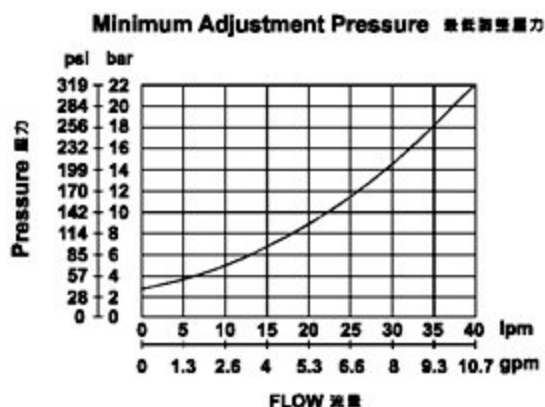
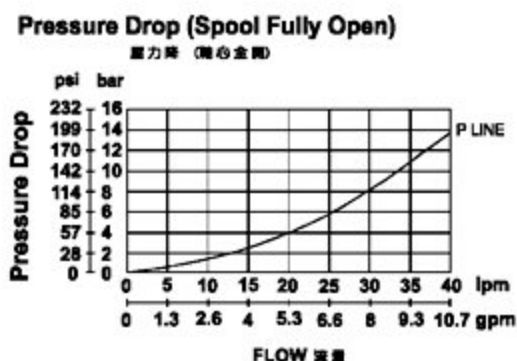
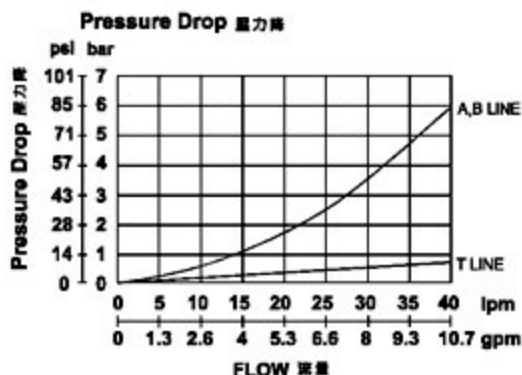
◆ PERFORMANCE 性能

Test Conditions 測試條件

Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏度: 35 cSt (163 SSU)

MBR-02



● Pressure Setting

Facing to adjustment screw or knob, clockwise increasing pressure, counterclockwise decreasing pressure. Please tighten hex. nut or plastic setting nut after pressure adjusted.

● 壓力設定：

調整螺絲或把手順時鐘方向調整壓力增強，逆時鐘方向調整壓力減弱。
壓力調整後請鎖緊六角螺絲或塑膠安裝螺帽。

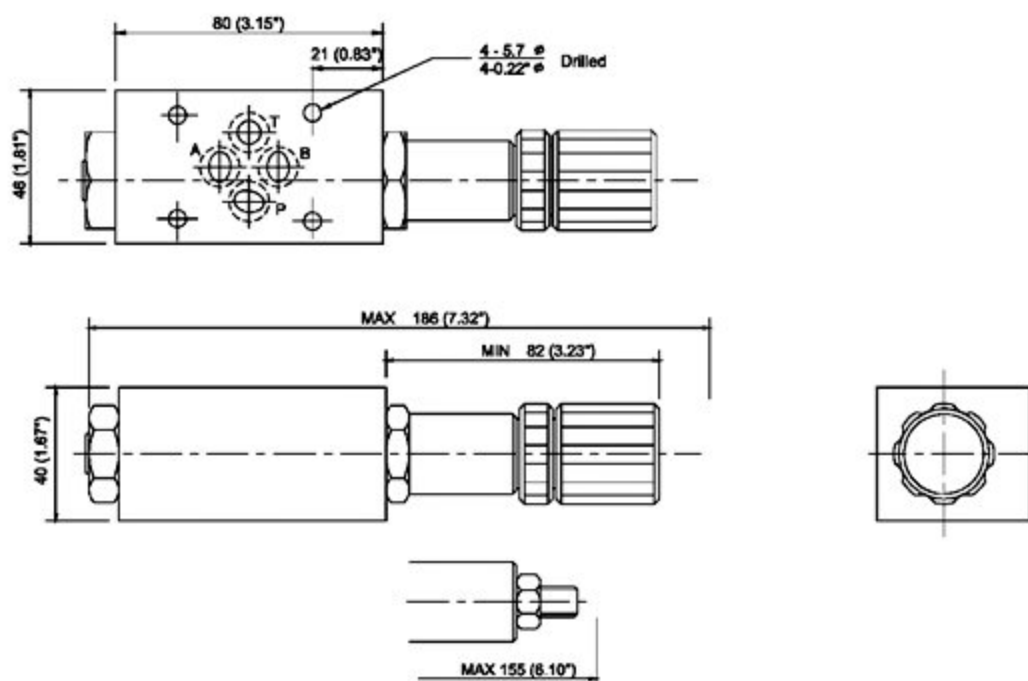
PRESSURE REDUCING MODULAR VALVES

積層型減圧閥

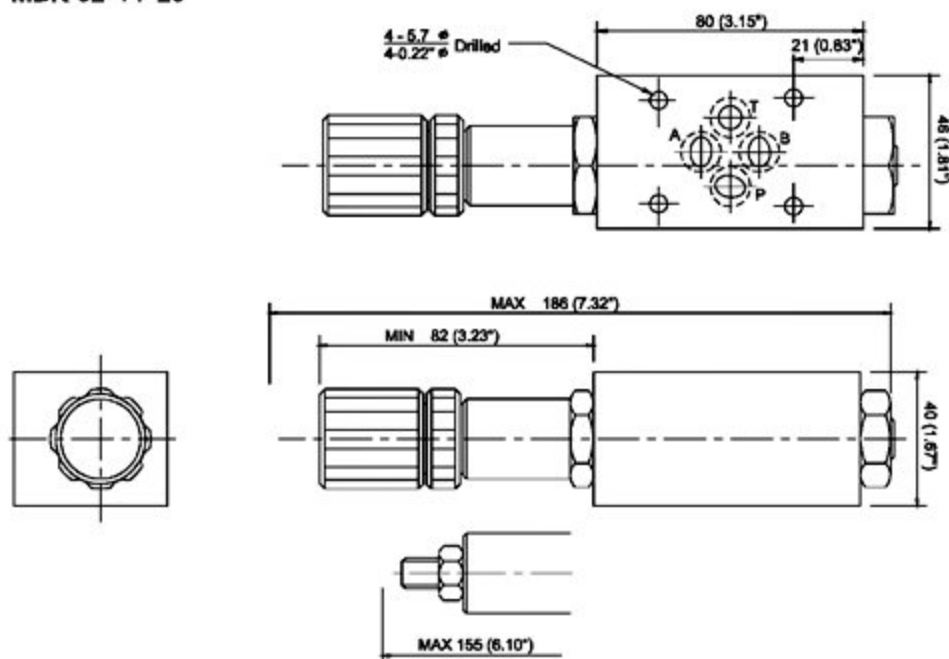
MBR SERIES

◆ DIMENSIONS 外形尺寸圖

MBR-02-**-20



MBR-02-**-20



B
MBR

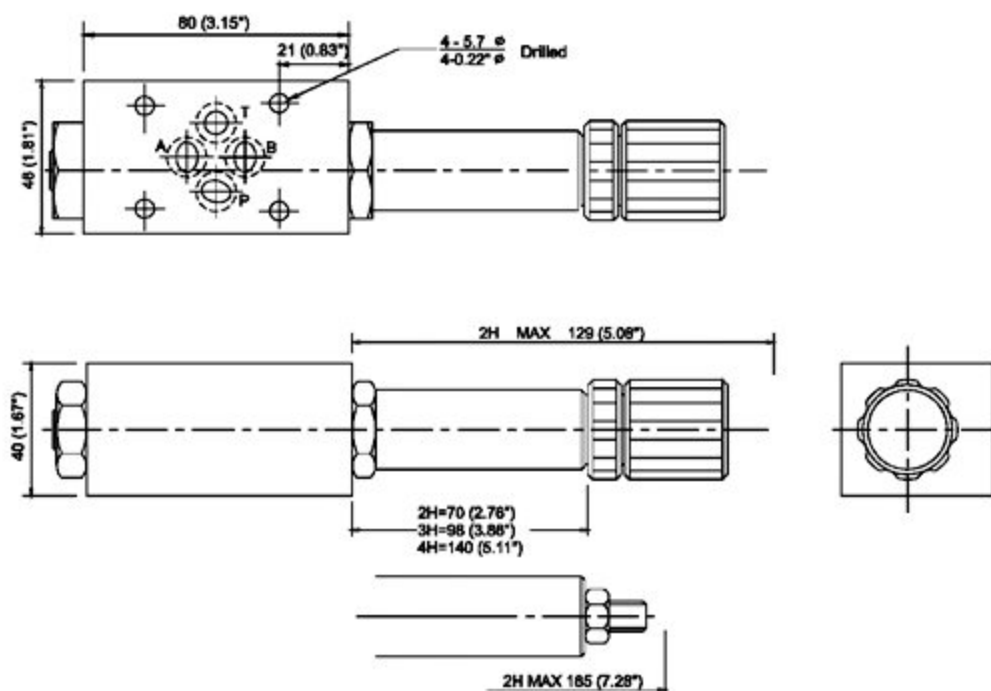
PRESSURE REDUCING MODULAR VALVES

MBR SERIES

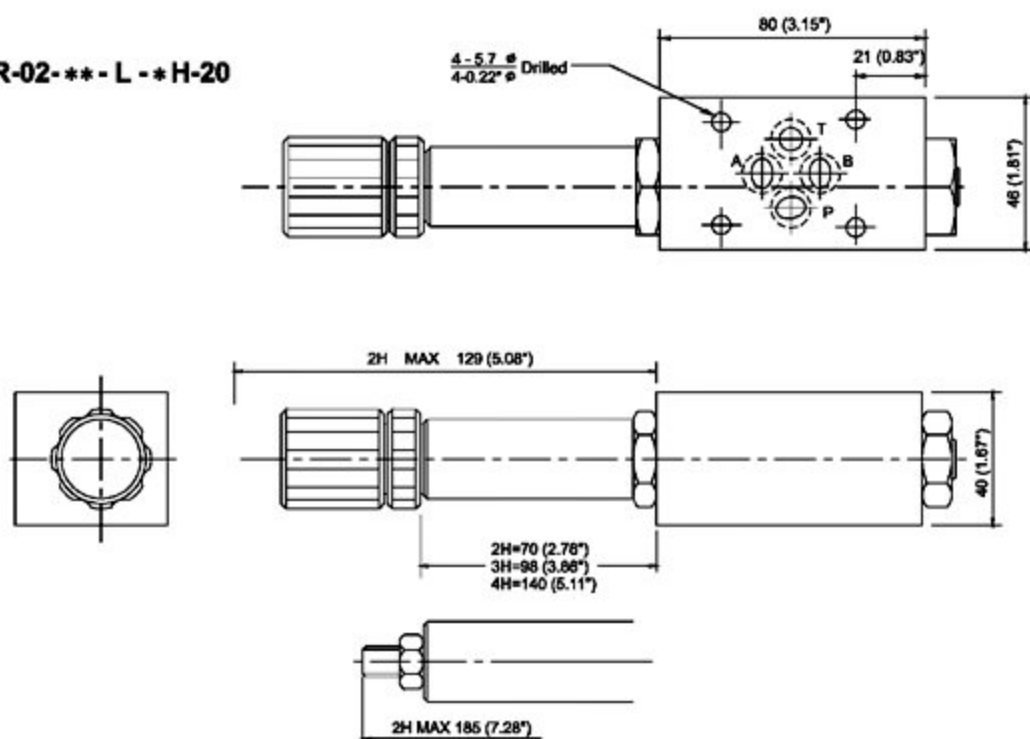
積層型減圧閥

◆ DIMENSIONS 外形寸法

MBR-02-***-H-20

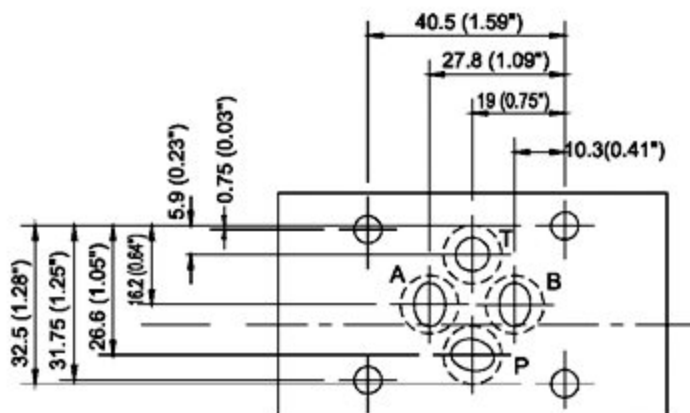


MBR-02-***-L-H-20

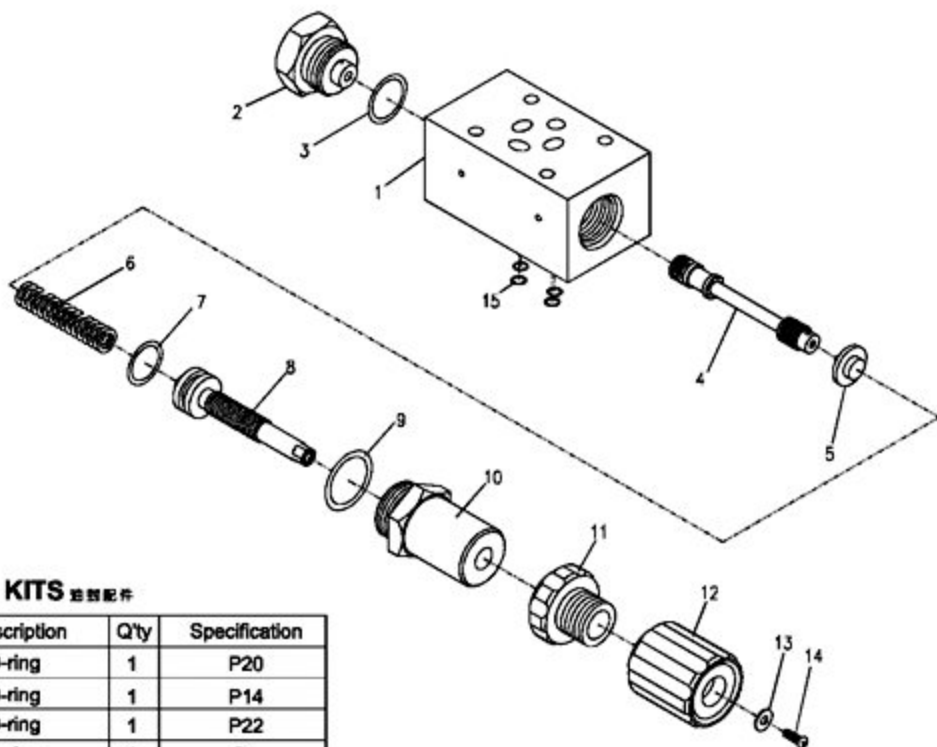


◆ Mounting Interface 基座尺寸圖

ISO 4401-AB-03-4-A



◆ PARTS LIST OF MBR-02 SERIES 零件爆炸视图



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
3	O-ring	1	P20
7	O-ring	1	P14
9	O-ring	1	P22
15	O-ring	4	P9

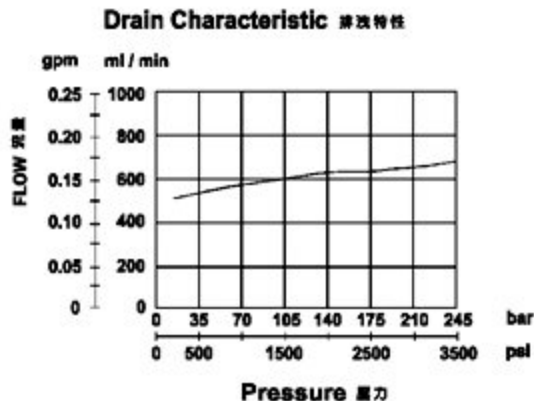
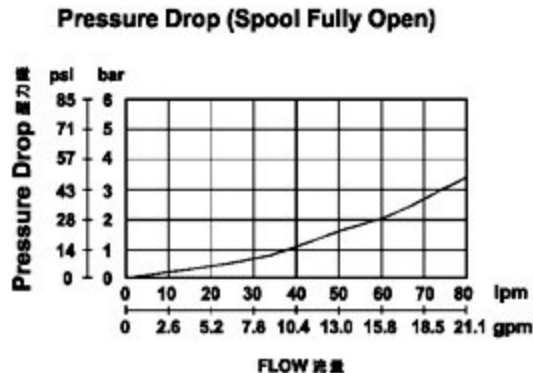
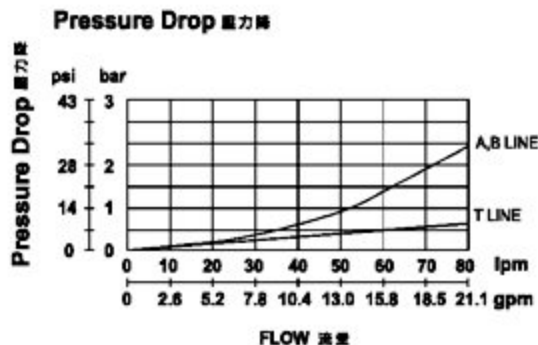
◆ PERFORMANCE 性能

Test Conditions 測試條件

Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏度: 35 cSt (163 SSU)

MBR-03



● Pressure Setting

Facing to adjustment screw or knob, clockwise increasing pressure, counterclockwise decreasing pressure. Please tighten hex. nut or plastic setting nut after pressure adjusted.

● 壓力設定:

調整螺絲或把手順時鐘方向調整壓力增強, 逆時鐘方向調整壓力減弱。
壓力調整後請鎖緊六角螺帽或塑膠安裝螺帽。

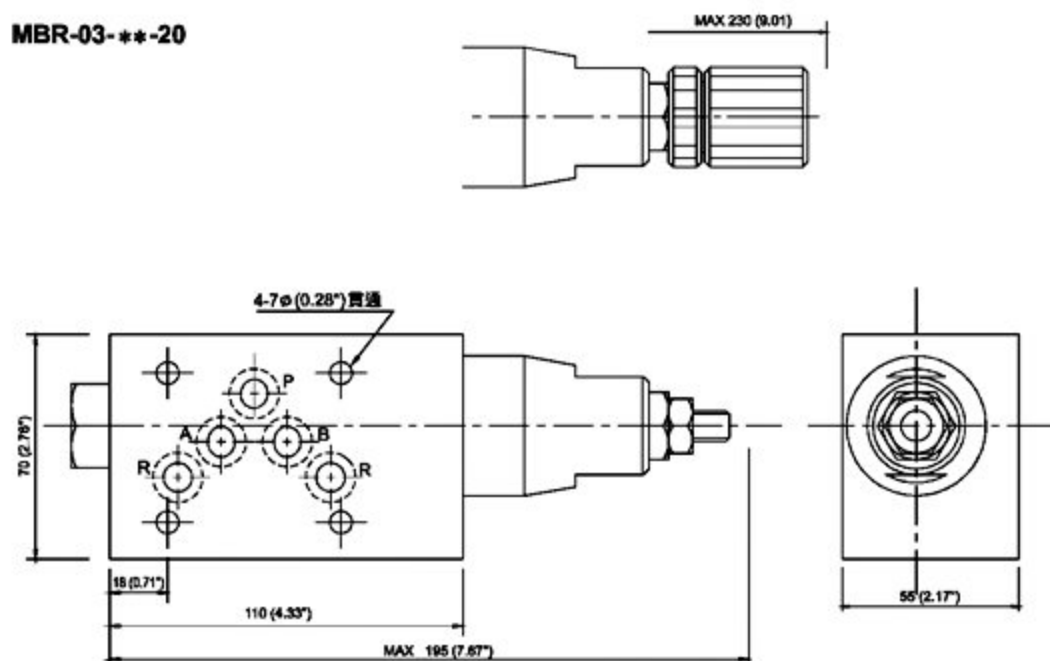
PRESSURE REDUCING MODULAR VALVES

MBR SERIES

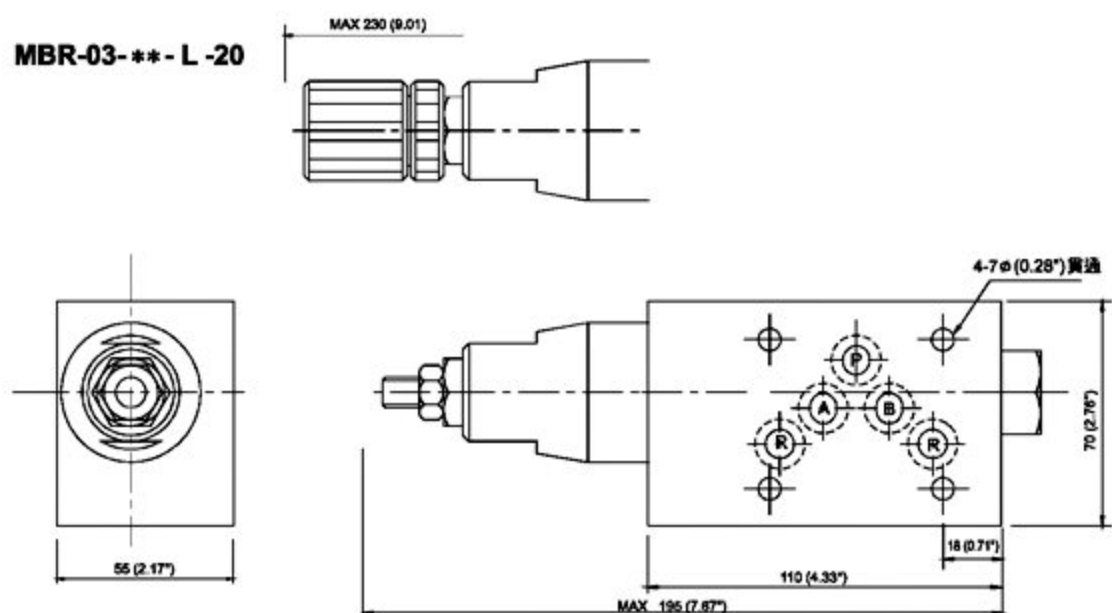
積層型減壓閥

◆ DIMENSIONS 外形尺寸

MBR-03-**-20



MBR-03-***-L-20



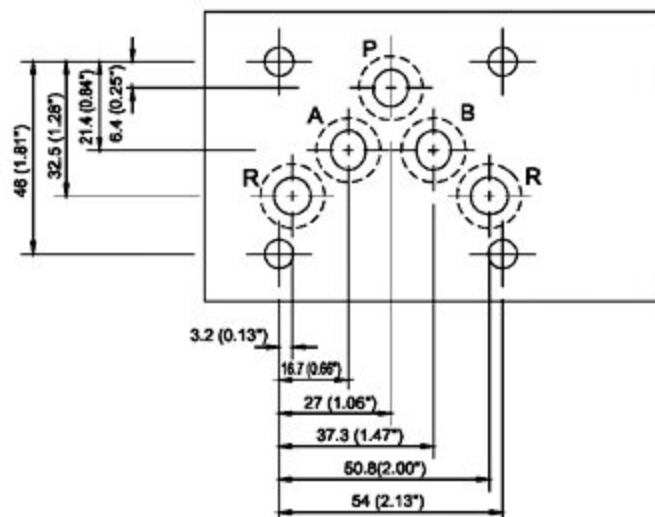
PRESSURE REDUCING MODULAR VALVES

積層型減壓閥

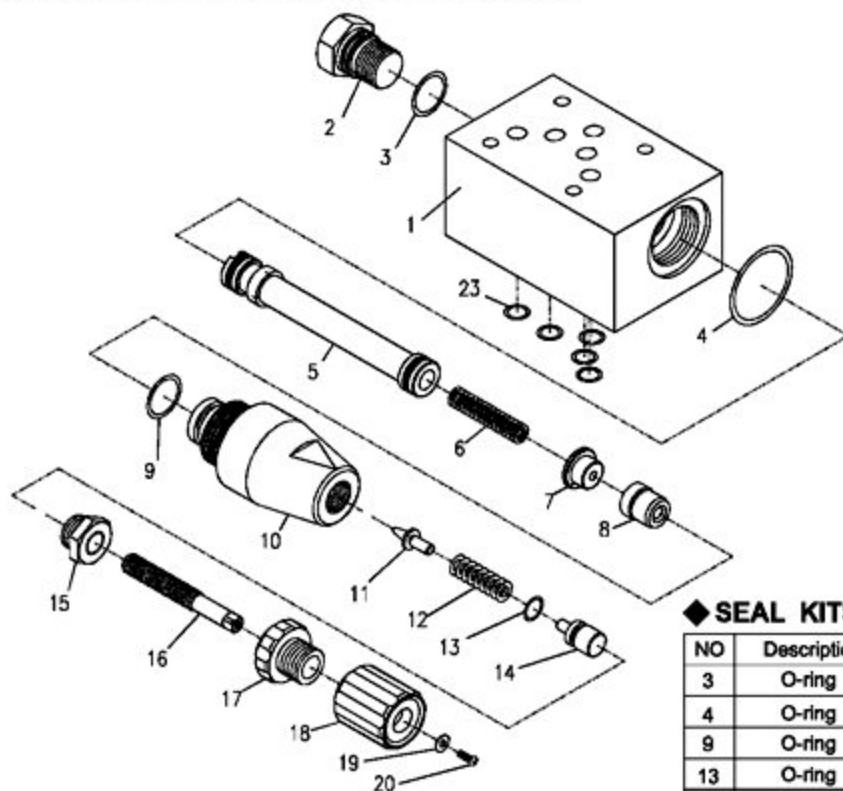
MBR SERIES

◆ Mounting Interface 基準尺寸圖

ISO 4401-AC-05-4-A



◆ PARTS LIST OF MBR-03 SERIES 零件圖炸開圖



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
3	O-ring	1	P18
4	O-ring	1	G35
9	O-ring	1	P18
13	O-ring	1	P9
25	O-ring	5	P12

B
MBR

PRESSURE REDUCING MODULAR VALVES

MBR SERIES

模塊型減壓閥

◆ MODEL 型 式

MBR-04



◆ FEATURES

- MBR series modular reducing valves can be used to reduce pressure the "P" port, "A" port, or "B" port.
- Casting iron bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Three standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MBR系列模塊型減壓閥可使用 P、A、B 孔，減少壓力。
- 閥本體鑄鐵製成且耐用性，壽命長。
- 內部硬鋼零件提高耐用壽命。
- 三種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Connecting PT 連 用 管 徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
MBR-04-P	350 (4970 psi)	1/2"	300 (79.25 gpm)	7.5 (16.5 lbs)
MBR-04-A				
MBR-04-B				
Fluid Type 液體型式		ISO VG 32 , 46 , 68		
Viscosity 黏 性 cSt		10-400 (59-1854 SSU)		
Operating Temperature 操作溫度 °C		-15-70 (-5-158°F)		
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 鋅 磷 酸 鹽 化 合 物		

● All screws with metric measure, If require inch measure, please contact us.
所有螺絲皆為公制標準規格品，若需英制螺絲請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MBR	04	P	1	*	20

1 VALVE SERIES 系列名稱

MBR=Pressure Reducing Modular Valves

2 SUBPLATE MOUNTING SIZE: 裝板口徑

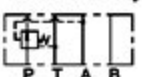
04=1/2"(12mm)
ISO CETOP7
DIN NG 16
NFFA D07

3 CONTROL PORT(S) 操作形式

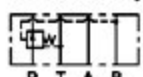
P=P Port Only



A=A Port Only



B=B Port Only



4 PRESSURE ADJUSTMENT 壓力調整範圍

1. 8~70 (bar)
2. 8~140 (bar)
3. 10~250 (bar)

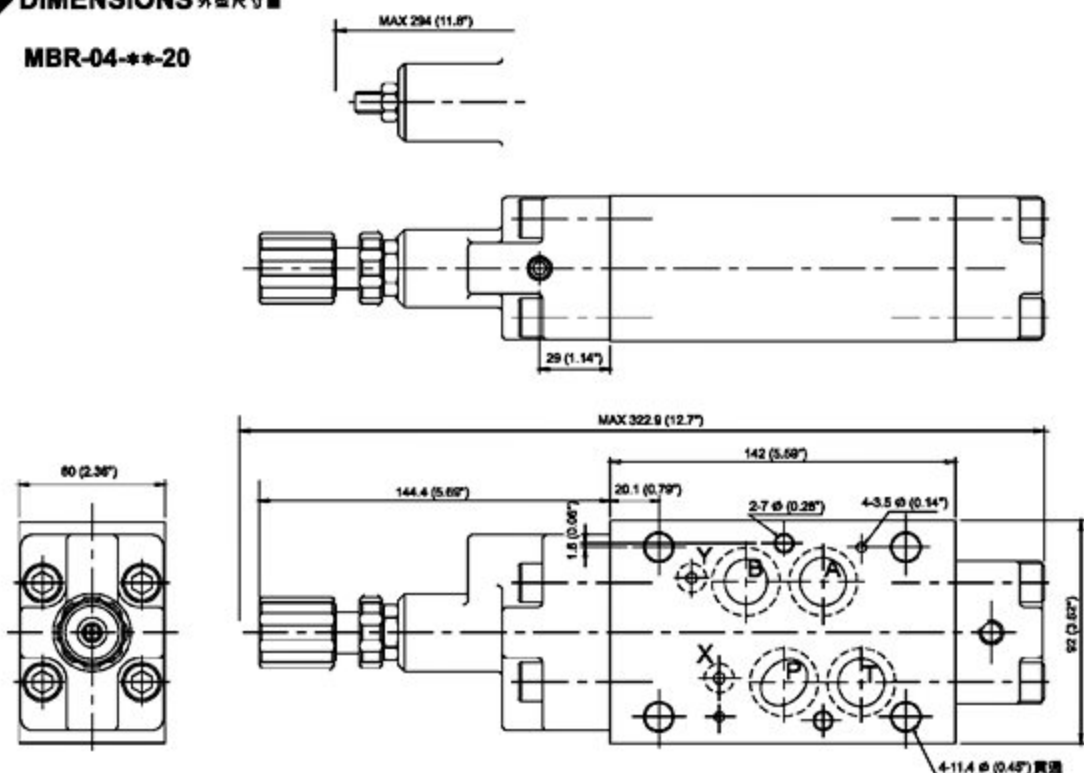
5 SHAPE 調整器形狀

NONE: TOOL ADJUST 無：工具調整式
K: HAND-BAR ADJUST K：手把調整式

6 DESIGN NO 設計編號

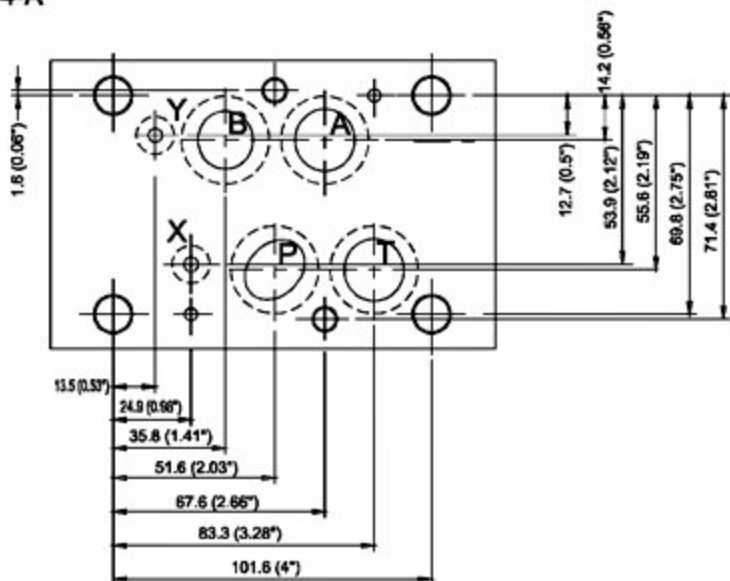
◆ DIMENSIONS 外形尺寸

MBR-04-**-20



◆ Mounting Interface 基座尺寸

ISO 4401-AD-07-4-A

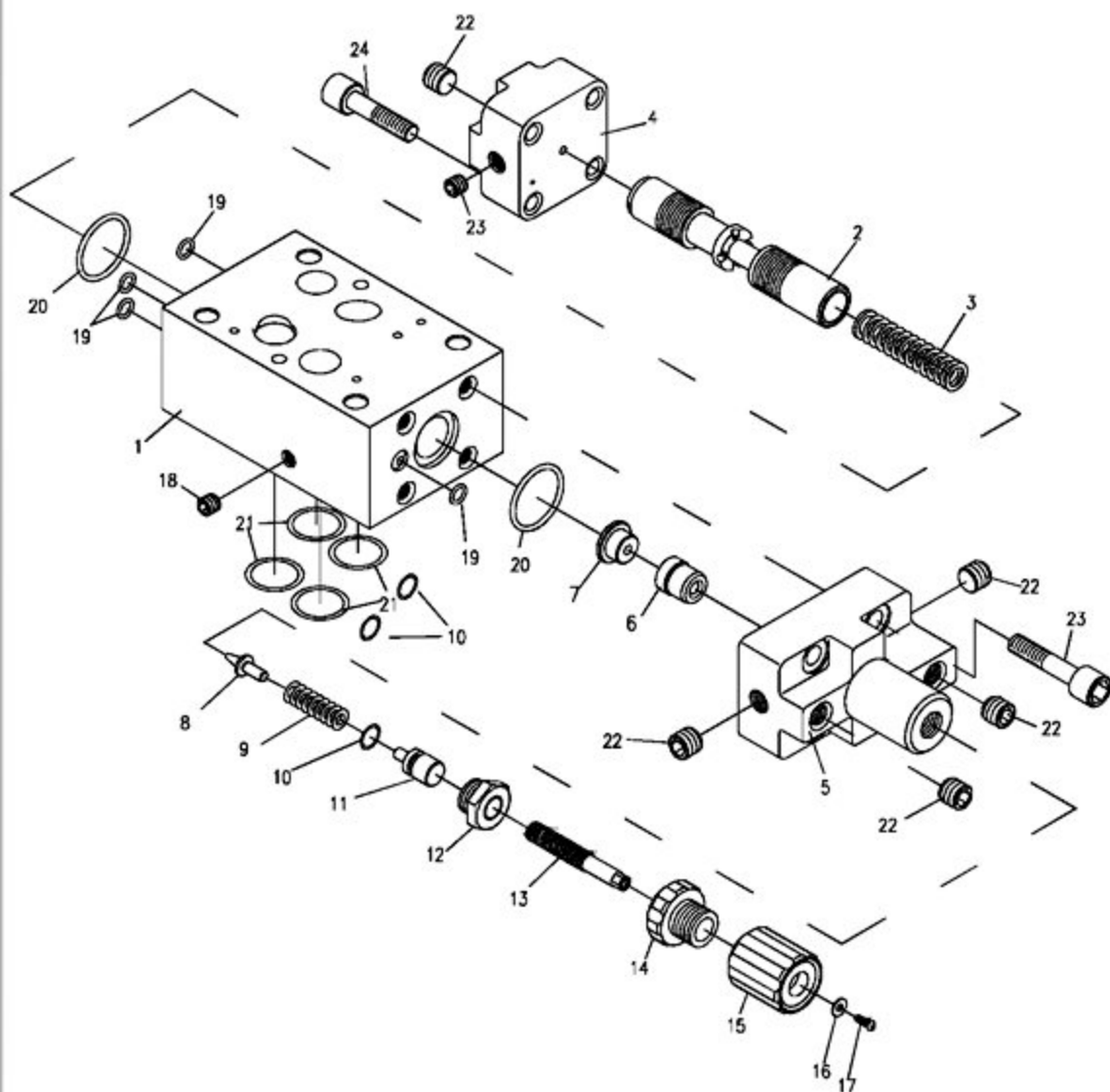


PRESSURE REDUCING MODULAR VALVES

MBR SERIES

積層型減壓閥

◆ PARTS LIST OF MBR-04 SERIES 零件爆炸視圖



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
10	O-ring	3	P9
19	O-ring	4	P8
20	O-ring	2	G25
21	O-ring	4	AS-119

PRESSURE REDUCING MODULAR VALVES

積層型減壓閥

MBR SERIES

◆ MODEL 型 式 MBR-06



◆ FEATURES

- MBR series modular reducing valves can be used to reduce pressure the "P" port, "A" port, or "B" port.
- Casting iron bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Three standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MBR系列積層型減壓閥可使用 P孔、A孔、B孔 減少壓力。
- 鑄本體堅固耐用且壽命長。
- 內部硬鋼零件提高產品壽命。
- 三種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 稱	Maximum Pressure 最 大 壓 力 bar	Connecting PT 通 用 管 徑	Maximum Flow 最 大 流 量 lpm	Weight 重 量 Kg
MBR-06-P	315 (4500 psi)	3/4"	190 (50.19 gpm)	11.6 (25.6 lbs)
MBR-06-A				
MBR-06-B				
Fluid Type 潤 滑 油 式			ISO VG 32 , 46 , 68	
Viscosity 黏 性 cSt			10~400 (59~1854 SSU)	
Operating Temperature 操 作 溫 度 °C			-15~70 (-5~158°F)	
Contamination Level 污 染 程 率			ISO4406, 21/19/16 NAS1638,10	
Surface Treatment 表 面 處 理			Zinc Phosphate Compound 磷 鍍 磷 酸 化 合 物	

- All screws with metric measure, if require inch measure, please contact us.
所有螺絲皆為公制標準規格。若有需要英制螺絲請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MBR	06	P	1	*	20

1 VALVE SERIES 系列名稱

MBR=Pressure Reducing Modular Valves

2 SUBPLATE MOUNTING SIZE: 安裝口徑

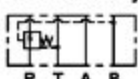
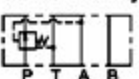
06= 3/4"(19mm)
ISO CETOP8
DIN NG 25
NPPA D08

3 CONTROL PORT(S) 動作形式

P=P Port Only

A=A Port Only

B=B Port Only



4 PRESSURE ADJUSTMENT 壓力調整範圍

1. 8 ~ 70 (bar)
2. 8~140 (bar)
3. 10~250 (bar)

5 SHAPE 調整器形狀

NONE-TOOL ADJUST 無工具調整式
K-HAND-BAR ADJUST K 手把調整式

6 DESIGN NO 設計編號

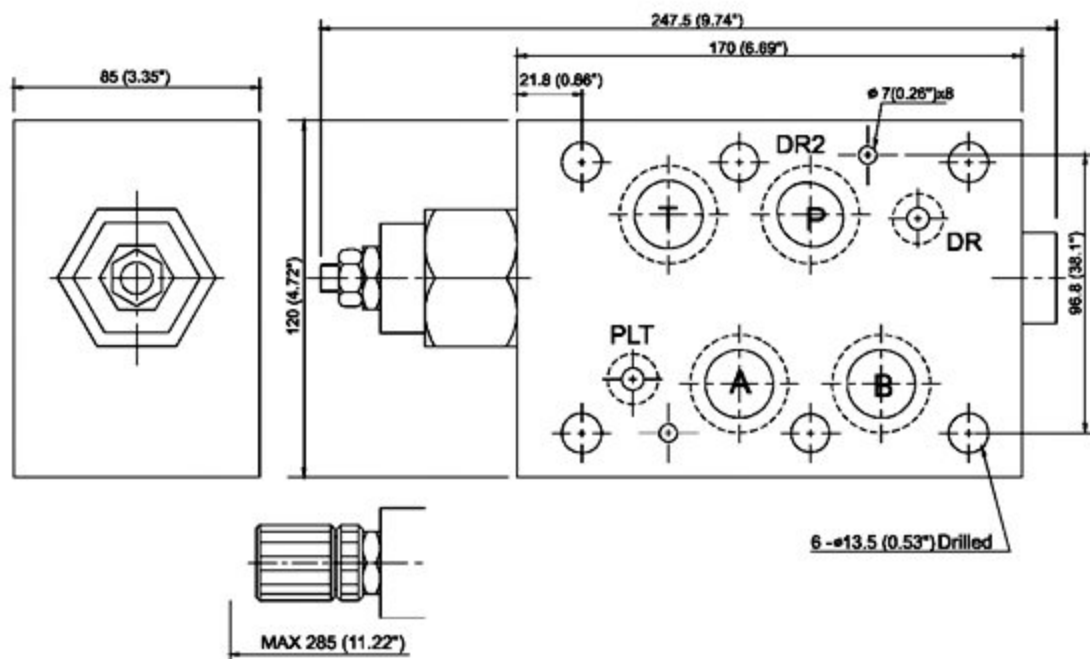
PRESSURE REDUCING MODULAR VALVES

MBR SERIES

積層型減壓閥

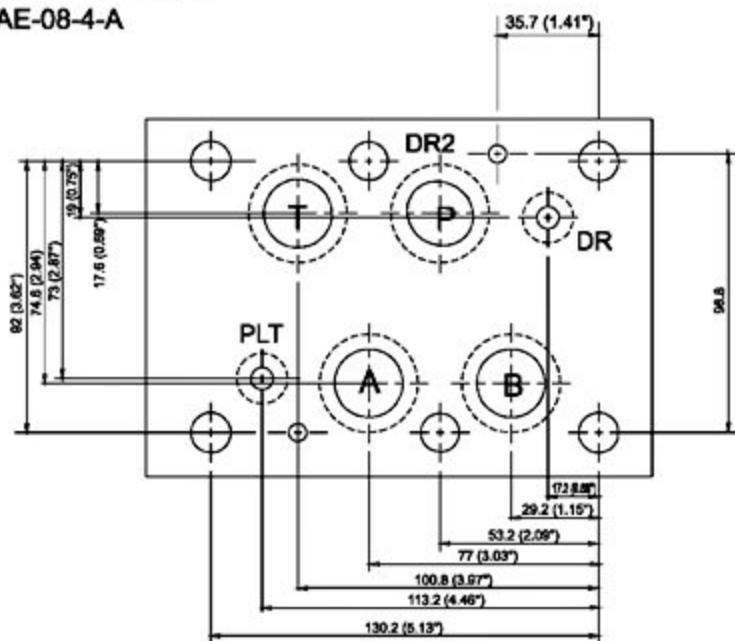
◆ DIMENSIONS 外型尺寸 ■

MBR-06-**-20

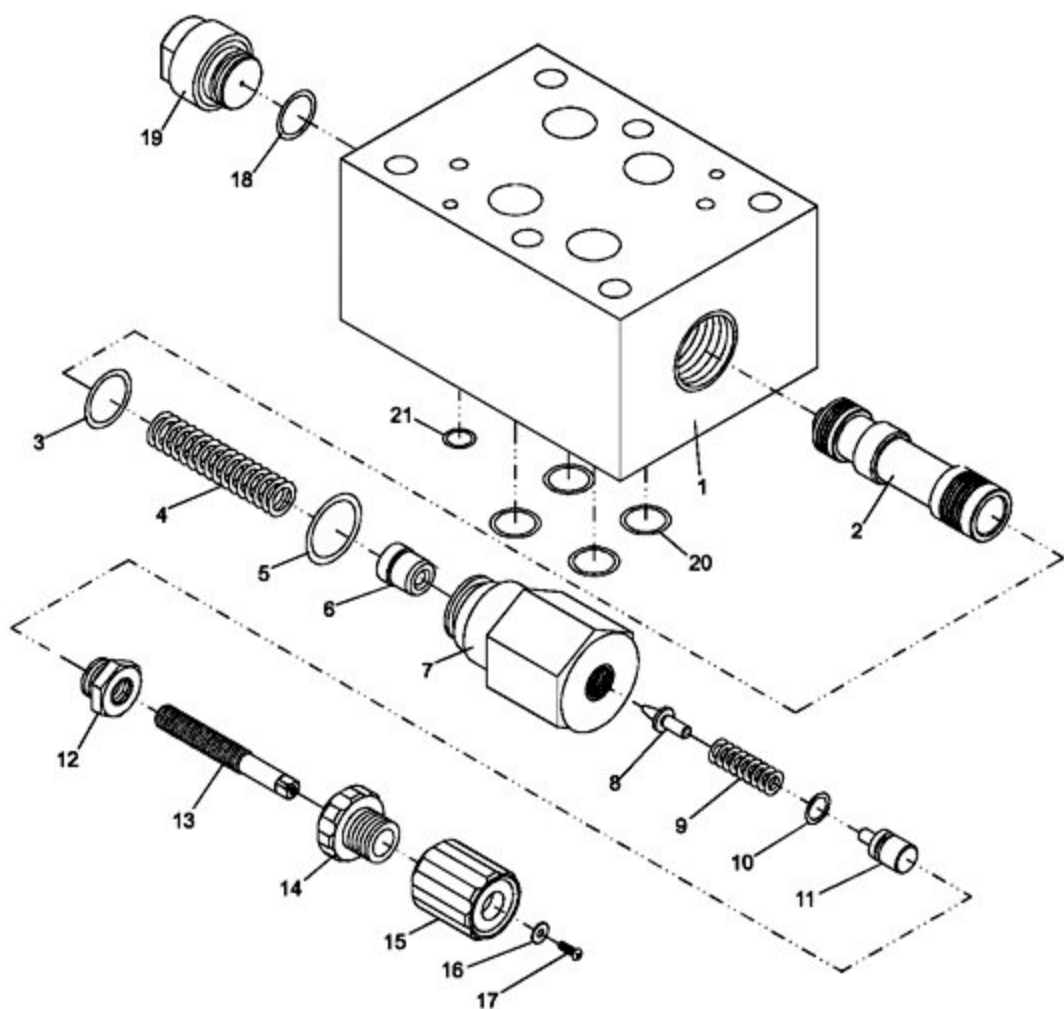


◆ Mounting Interface 基座尺寸圖

ISO 4401-AE-08-4-A



◆ PARTS LIST OF MBR-06 SERIES 零件爆炸視圖



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
3	O-ring	1	G25
5	O-ring	1	P35
10	O-ring	1	P9
18	O-ring	1	P21
20	O-ring	4	P28
21	O-ring	2	P14

PRESSURE REDUCING MODULAR VALVES

MBRG SERIES

模壓型減壓閥

◆ MODEL 型 式

MBRG-02



◆ FEATURES

- MBRG series modular reducing valves can be used to reduce pressure on the "P" port, "A" port, or "B" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Three standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MBRG系列模壓型減壓閥可使用 P孔、A孔、B孔 減少壓力。
- 閥本鑄鐵製成堅固且耐久，壽命長。
- 內部硬鋼零件提高產品壽命。
- 三種標準壓力設定選擇。
- 六角螺絲或起子兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
MBRG-02-P, A, B	315 (4500 psi)	1/4"	40 (10.56 gpm)	1.9 (4.2 lbs)
Fluid Type 液體型式	ISO VG 32, 46, 68			
Viscosity 黏性 cSt	10~400 (59~1854 SSU)			
Operating Temperature 操作溫度 °C	-15~70 (-5~158 °F)			
Contamination Level 污染標準	ISO4406, 21/19/16 NAS1638,10			
Surface Treatment 表面處理	Zinc Phosphate Compound 鋅 磷酸鹽 化合物			

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所有螺絲皆為公制標準規格，若需英制螺絲請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MBRG	02	P	1	*	20

1 VALVE SERIES 系列名稱

MBRG=Pressure Reducing Modular Valves

2 SUBPLATE MOUNTING SIZE: 板厚口徑

02 =1/4"(6mm)
ISO CETOP3
DIN NG 6
NFFPA D03

4 PRESSURE ADJUSTMENT 壓力調整範圍

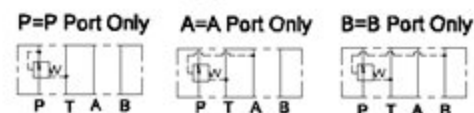
1. 1.5~70 (bar)
2. 8~140 (bar)
3. 8~250 (bar)

5 SHAPE 調整器形狀

NONE TOOL ADJUST 無工具調整式
K HAND-BAR ADJUST K 手把調整式

6 DESIGN NO 設計編號

3 CONTROL PORT(S) 動作形式



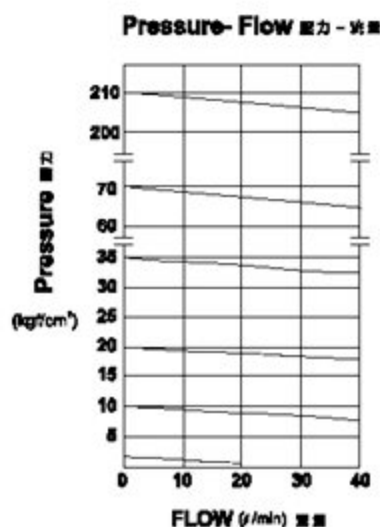
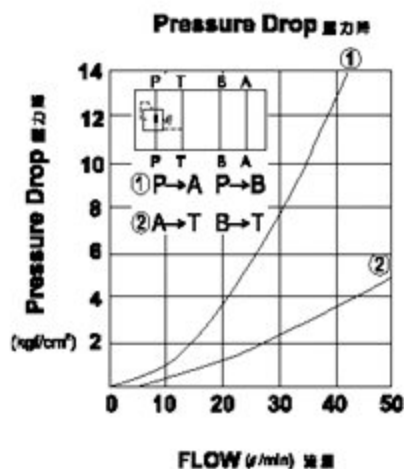
PRESSURE REDUCING MODULAR VALVES

精密型減壓閥

MBRG SERIES

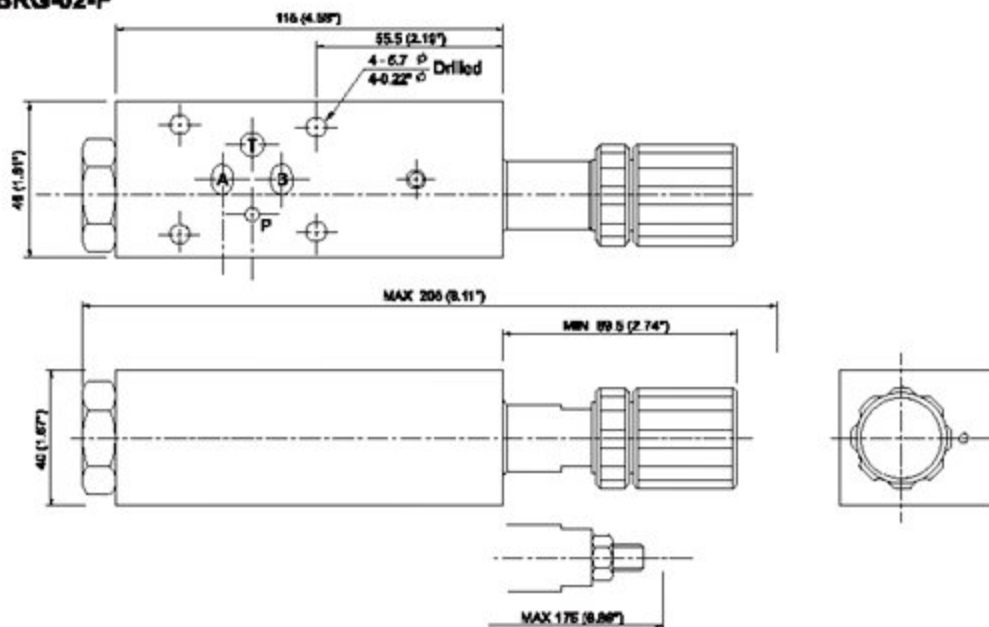
◆ PERFORMANCE 性能

Test Conditions 測試條件
Oil Temperature 油溫: 50°C (122°F)
Viscosity 粘度: 35 cSt (163 SSU)



◆ DIMENSIONS 外形尺寸圖

MBRG-02-P



B
MBRG

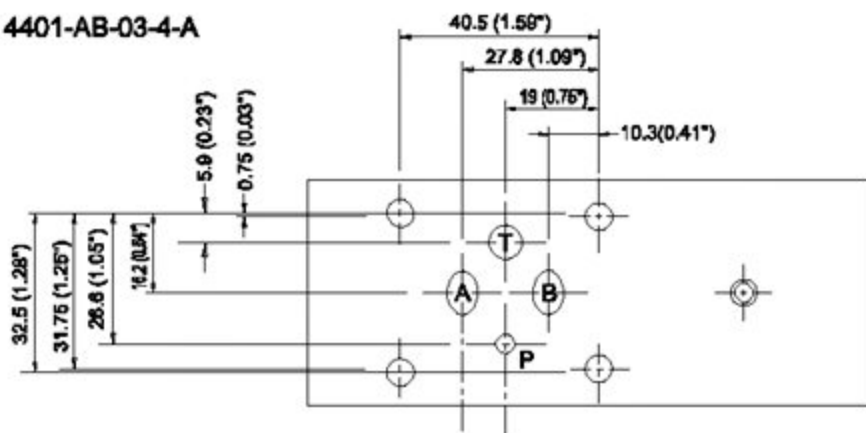
PRESSURE REDUCING MODULAR VALVES

MBRG SERIES

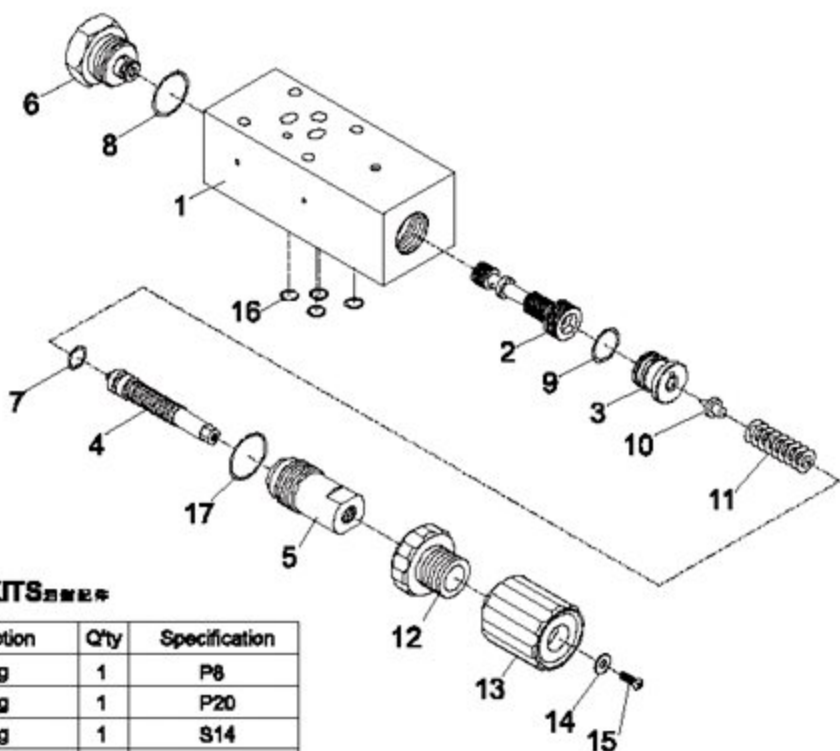
精密减压阀

◆ Mounting Interface 安装尺寸

ISO 4401-AB-03-4-A



◆ PARTS LIST OF MBRG-02 SERIES 零件爆炸视图



◆ SEAL KITS 密封套件

NO	Description	Qty	Specification
7	O-ring	1	P8
8	O-ring	1	P20
9	O-ring	1	S14
16	O-ring	4	P9
17	O-ring	1	P16

PRESSURE REDUCING MODULAR VALVES

模塊型減壓閥

MBRG SERIES

◆ MODEL 型 式

MBRG-03



◆ FEATURES

- MBRG series modular reducing valves can be used to reduce pressure on the "P" port, "A" port, or "B" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Three standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MBRG系列模塊型減壓閥可使用 P孔、A孔、B孔 減少壓力。
- 鑄本體耐壓強度得長久性、壽命長。
- 內部硬鋼零件提高產品壽命。
- 三種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 連接管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MBRG-03-P, A, B	315 (4500 psi)	3/8"	80 (21.13 gpm)	3.8 (8.4 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)		
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 磷 鍍磷酸 化合物		

- All screws with metric measure, if require inch measure, please contact us.
 所有螺絲皆為公制標準規格品，若有英制螺絲請另外委託說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MBRG	03	P	1	*	20

1 VALVE SERIES 系列名稱

MBRG=Pressure Reducing Modular Valves

2 SUBPLATE MOUNTING SIZE: 板厚口徑

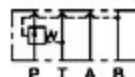
03 = 3/8"(9mm)
 ISO CETOP5
 DIN NG 10
 NFPA D05

3 CONTROL PORT(S) 操作形式

P=P Port Only

A=A Port Only

B=B Port Only



4 PRESSURE ADJUSTMENT 壓力調整範圍

1. 1.5~70 (bar)
2. 8~140 (bar)
3. 8~250 (bar)

5 SHAPE 調整器形狀

NONE: TOOL ADJUST 無：工具調整式
 K: HAND-BAR ADJUST K：手把調整式

6 DESIGN NO 設計編號

PRESSURE REDUCING MODULAR VALVES

MBRG SERIES

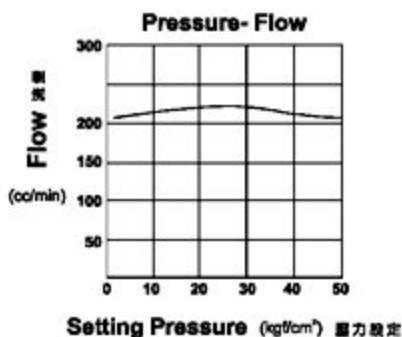
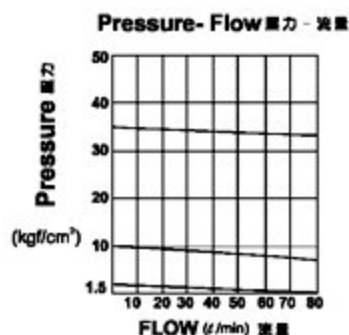
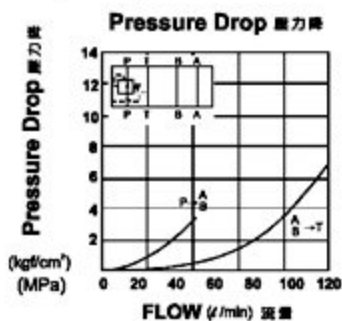
積層型減壓閥

◆ PERFORMANCE 性能

Test Conditions 測試條件

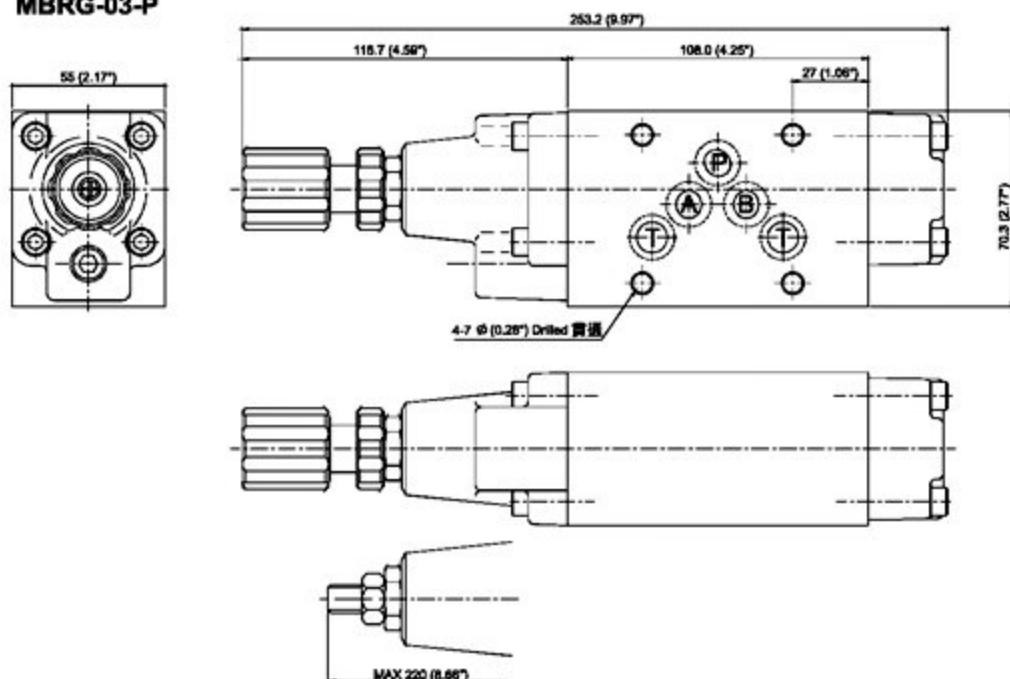
Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏度: 35 cSt (163 SSU)



◆ DIMENSIONS 外觀尺寸圖

MBRG-03-P



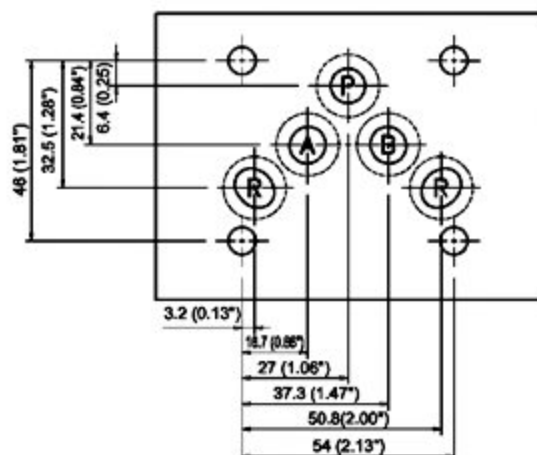
PRESSURE REDUCING MODULAR VALVES

精密型減壓閥

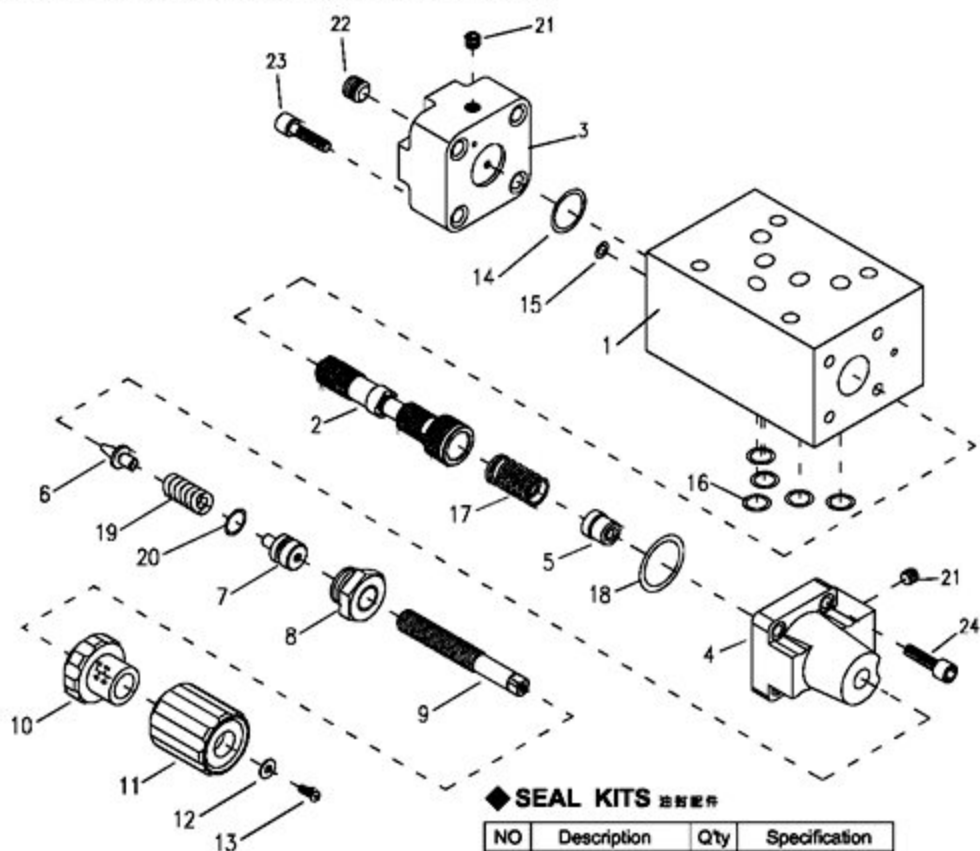
MBRG SERIES

◆ Mounting Interface 基準尺寸圖

ISO 4401-AC-05-4-A



◆ PARTS LIST OF MBRG-03G SERIES 零件爆炸视图



◆ SEAL KITS 密封配件

NO	Description	Qty	Specification
14	O-ring	1	P22
15	O-ring	1	P6
16	O-ring	5	P12
18	O-ring	1	P28
20	O-ring	1	P11

COUNTERBALANCE MODULAR VALVES

模塊型抗衡閥

MCB SERIES

◆ MODEL 型 式 MCB-02



◆ FEATURES

- MCB series modular counter balance valves can be used to reduce pressure on the "A" port, or "B" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Two standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MCB系列模塊型抗衡閥可使用 A孔、B孔 抗衡壓力。
- 鑄本體結構強度夠且持久性、壽命長。
- 內部硬鋼零件提高產品壽命。
- 二種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型 號 號 碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
MCB-02-A, B	250 (3625 psi)	1/4"	40 (10.56 gpm)	1.5 (3.3 lbs)
Fluid Type 液體類型		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406: 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 鋅磷酸鹽化合物		

- All screws with metric measure, if require inch measure, please contact us.
所有螺絲皆為公制標準規格，若有英制螺絲請另外備註說明。

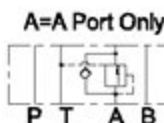
◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MCB	02	B	1	*	20

- 1 VALVE SERIES 系列名稱**
MCB=Counterbalance Modular Valves

- 2 SUBPLATE MOUNTING SIZE: 螺絲口徑**
02 = 1/4"(6mm)
ISO CETOP3
DIN NG 6
NFPA D03

- 3 ACTION FORM 動作形式**



- 4 PRESSURE ADJUSTMENT 壓力調整範圍**
1. 7~70 (bar)
2. 10~210 (bar)

- 5 SHAPE 調整器形狀**
NONE: TOOL ADJUST 無，工具調整式
K: HAND-BAR ADJUST K，手把調整式

- 6 DESIGN NO 設計編號**

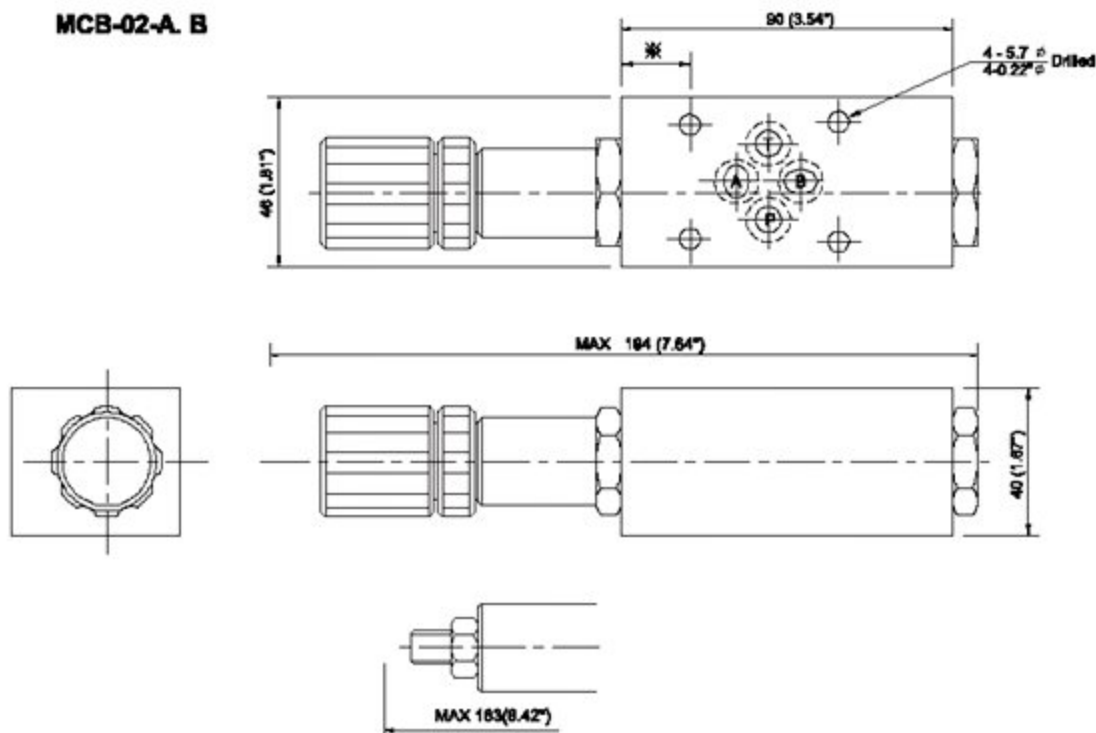
COUNTERBALANCE MODULAR VALVES

MCB SERIES

換算単位換算

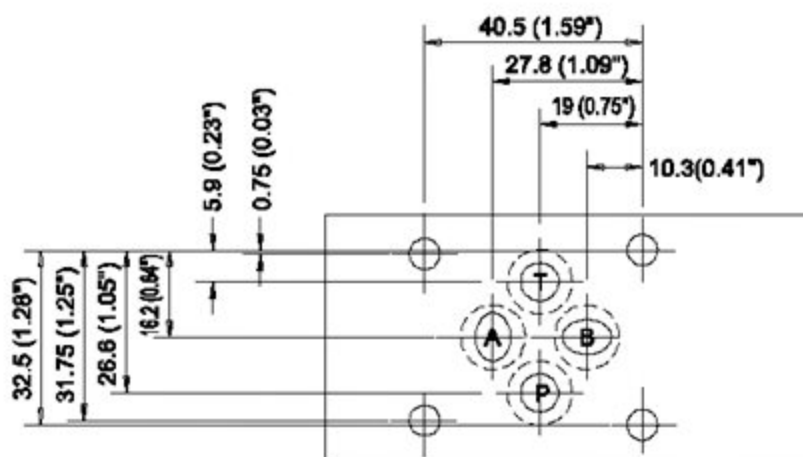
◆ DIMENSIONS 外形寸法

MCB-02-A, B



◆ Mounting Interface 基座寸法

ISO 4401-AB-03-4-A

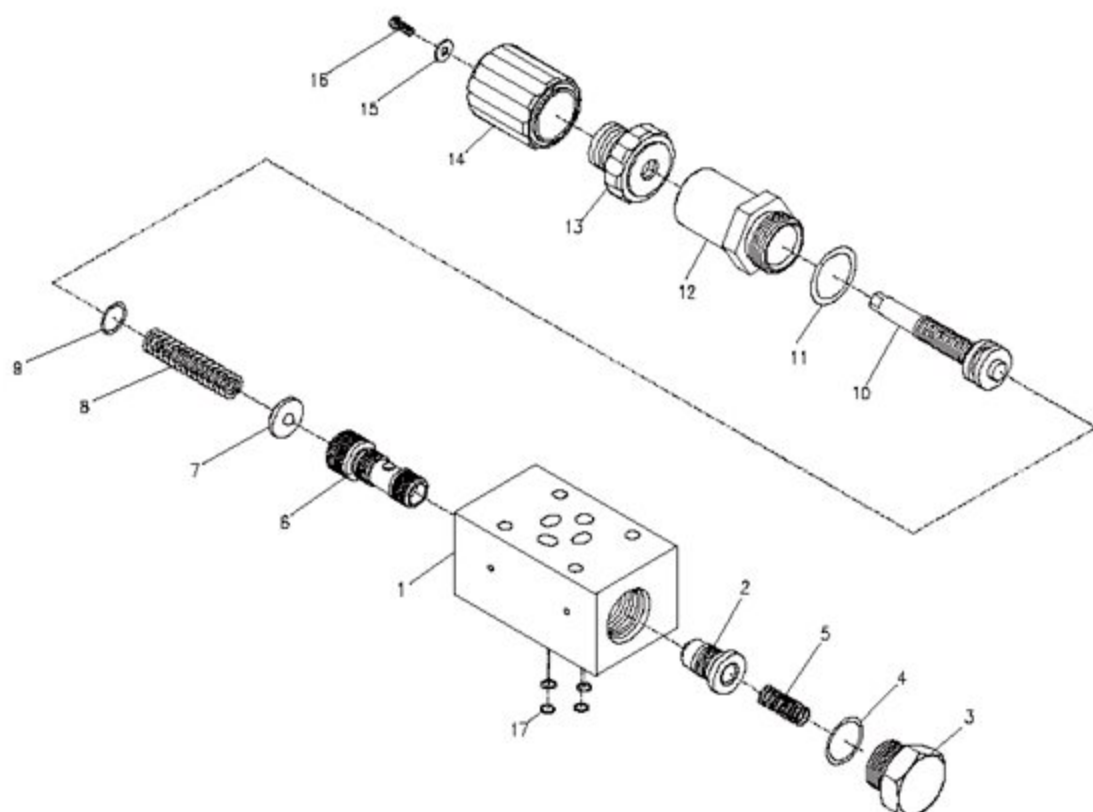


COUNTERBALANCE MODULAR VALVES

精密型抗微震

MCB SERIES

◆ PARTS LIST OF MCB-02 SERIES 零件爆炸视图



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
4	O-ring	1	P18
9	O-ring	1	P22
11	O-ring	1	P14
17	O-ring	4	P9

B
MCB

COUNTERBALANCE MODULAR VALVES

MCB SERIES

模塊型抗衝閥

◆ MODEL 型 式

MCB-03B



◆ FEATURES

- MCB series modular counter balance valves can be used to reduce pressure on the "A" port, or "B" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Two standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MCB系列模塊型抗衝閥可使用 A孔、B孔 抗衝壓力。
- 閥本體鑄鐵製成且堅固耐用、壽命長。
- 內部硬鋼零件提高密封壽命。
- 二種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MCB-03-A, B	250 (3625 psi)	3/8"	80 (21.13 gpm)	4.5 (9.9 lbs)
Fluid Type 液體類型		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 鋅磷酸鹽化合物		

● All screws with metric measure, if require inch measure, please contact us.

所有螺絲皆為公制標準規格品。若需英制螺絲請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MCB	03	B	1	*	20

1 VALVE SERIES 系列名稱

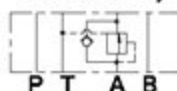
MCB=Counterbalance Modular Valves

2 SUBPLATE MOUNTING SIZE: 基座口徑

03 = 3/8"(9mm)
ISO CETOP5
DIN NG 10
NFPA D05

3 ACTION FORM 動作形式

A=A Port Only



B=B Port Only



4 PRESSURE ADJUSTMENT 壓力調整範圍

1. 10~70 (bar)
2. 35~210 (bar)

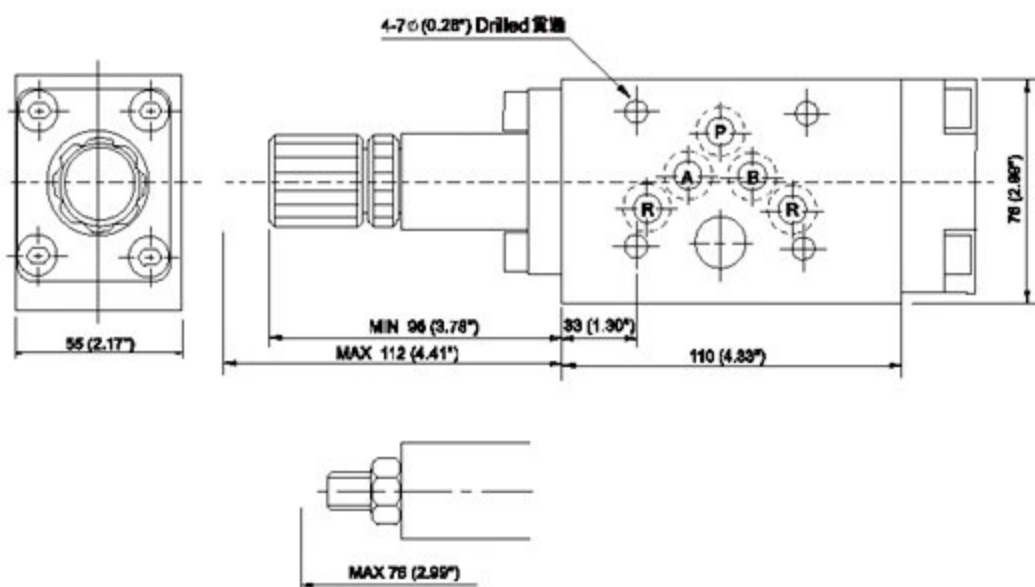
5 SHAPE 調整器形狀

NONE: TOOL ADJUST 無, 工具調整式
K: HAND-BAR ADJUST K, 手把調整式

6 DESIGN NO 設計編號

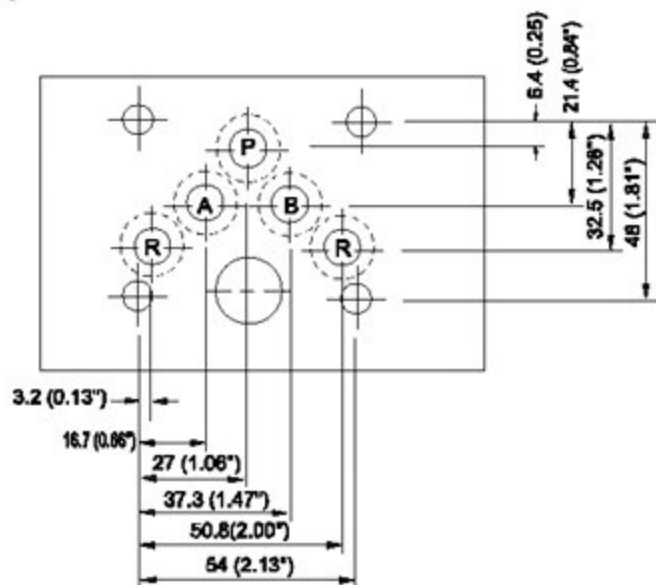
◆ DIMENSIONS 外形寸法

MCB-03-A, B



◆ Mounting Interface 取付寸法

ISO 4401-AC-05-4-A

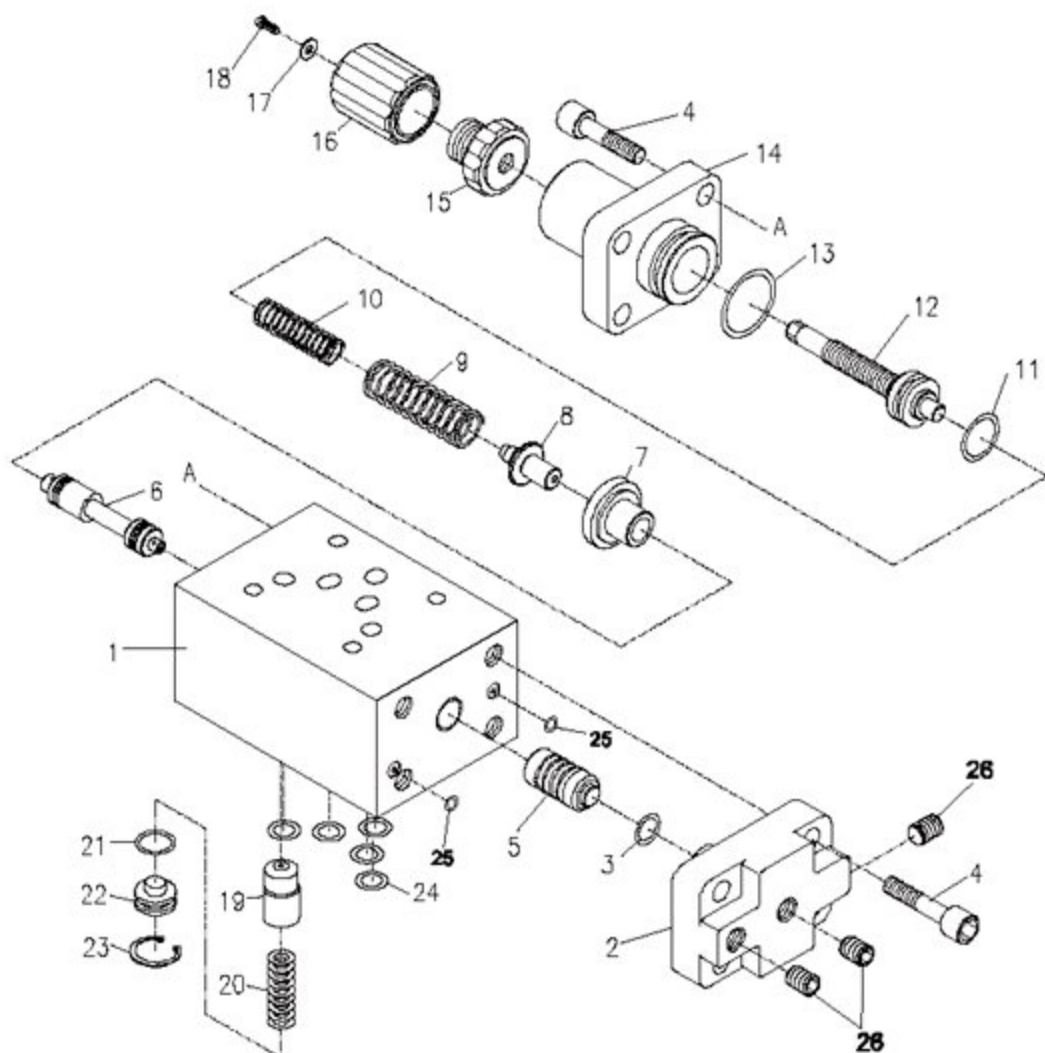


COUNTERBALANCE MODULAR VALVES

MCB SERIES

平衡式减压阀

◆ PARTS LIST OF MCB-03 SERIES 零件爆炸图



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
3	O-ring	1	P10A
11	O-ring	1	P16
13	O-ring	1	G25
21	O-ring	1	P12
24	O-ring	5	P12
25	O-ring	2	P6

ACCESSORIES 附属配件

4	HEX COUNTER-SINK SCREW	8	M8 x 1.25 x 25L
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COUNTERBALANCE MODULAR VALVES

模塊型抗衡閥

MCB SERIES

◆ MODEL 型 式 MCB-04B



◆ FEATURES

- MCB series modular counter balance valves can be used to reduce pressure on the "A" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Two standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MCB系列模塊型抗衡閥可使用 A孔減壓壓力。
- 閥本體鑄鐵製成具有耐性，壽命長。
- 內部硬鋼零件提高產品壽命。
- 二種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MCB-04-A	315 (4500 psi)	1/2"	300 (79.25 gpm)	7.5 (16.53 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 鋅磷酸鹽化合物		

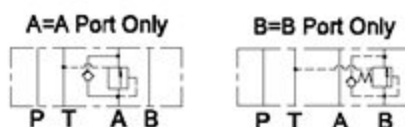
◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MCB	04	B	1	*	20

- 1 VALVE SERIES 系列名稱**
MCB=Counterbalance Modular Valves

- 2 SUBPLATE MOUNTING SIZE: 板厚口徑**
04 = 1/2" (12mm)
ISO CETOP7
DIN NG 16
NFPA D07

- 3 ACTION FORM 動作形式**



- 4 PRESSURE ADJUSTMENT 壓力調整範圍**

1. 8~70 (bar)
2. 10~140 (bar)

- 5 SHAPE 調整器形狀**
NONE: TOOL ADJUST 無：工具調整式
K: HAND-BAR ADJUST K：手把調整式

- 6 DESIGN NO 設計編號**

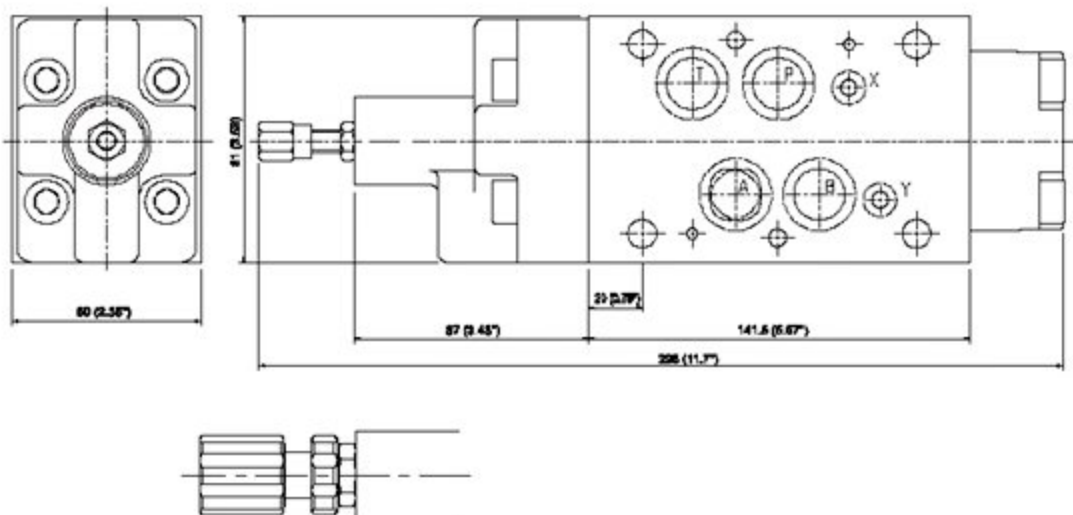
COUNTERBALANCE MODULAR VALVES

MCB SERIES

換算単位換算

◆ DIMENSIONS 外形寸法

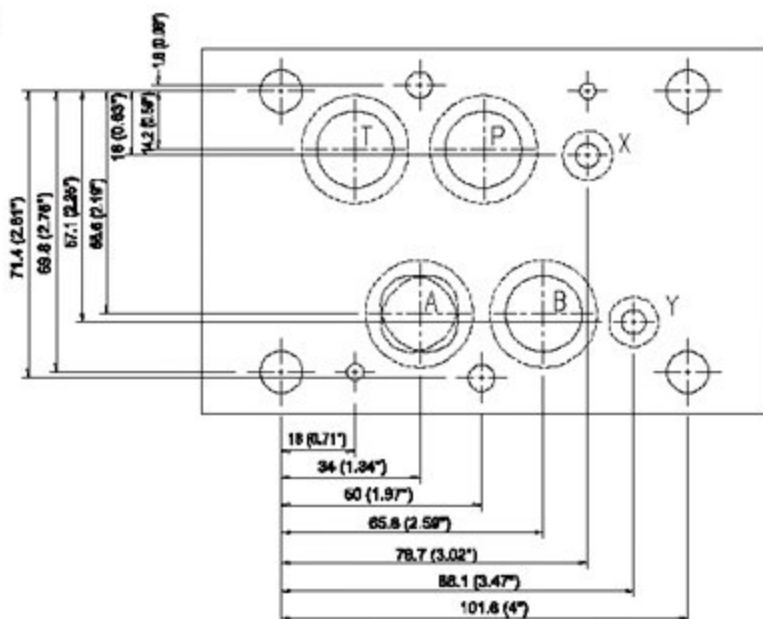
MCB-04-A



◆ Mounting Interface 取付寸法

ISO 4401-AD-07-4-A

MCB-04

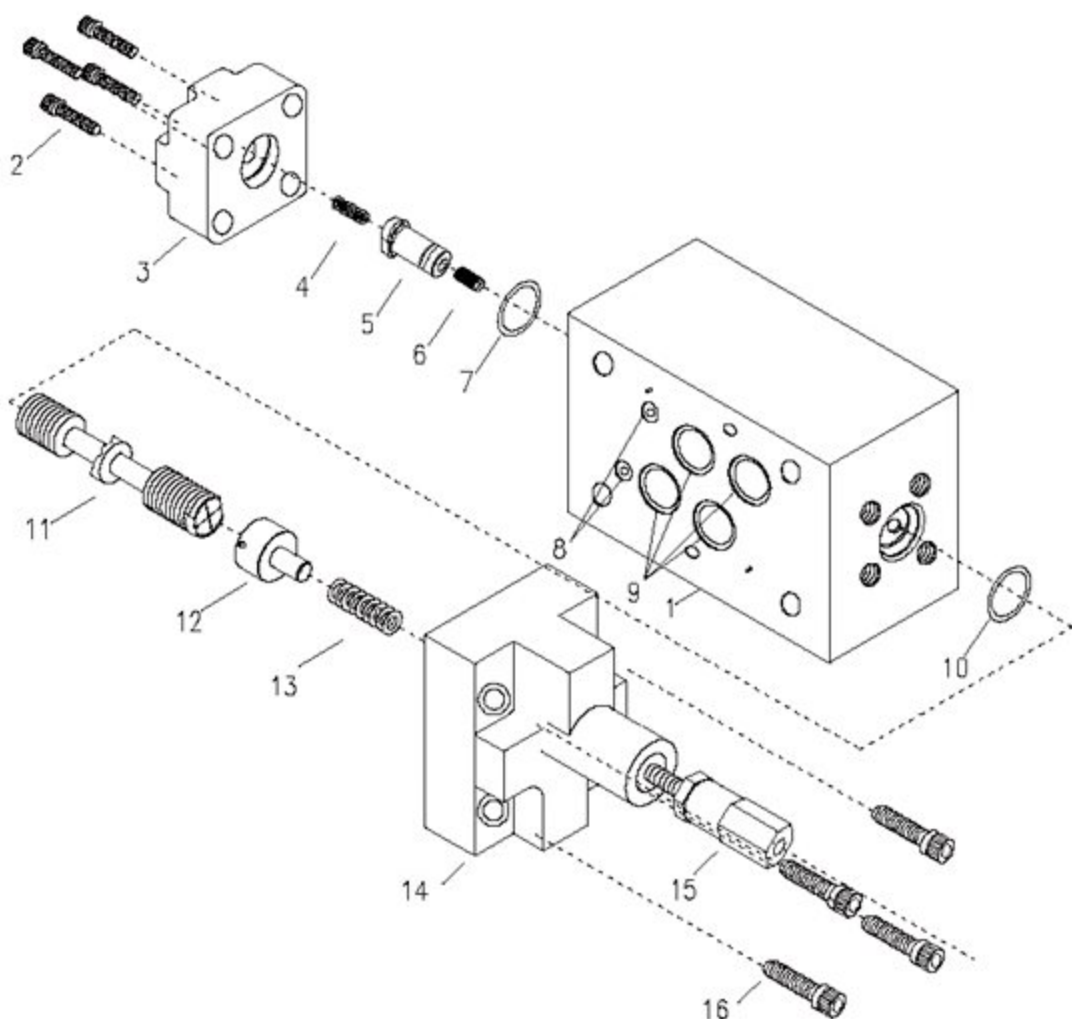


COUNTERBALANCE MODULAR VALVES

精密型抗微震

MCB SERIES

◆ PARTS LIST OF MCB-04 A 零件爆炸图



◆ SEAL KITS 密封套件

NO	Description	Qty	Specification
7	O-ring	1	G35
9	O-ring	4	AS119
10	O-ring	1	G35

B
MCB

COUNTERBALANCE MODULAR VALVES

MCB SERIES

模壓型抗衝閥

◆ MODEL 型 式

MCB-06B



◆ FEATURES

- MCB series modular counter balance valves can be used to reduce pressure on the "A" port, or "B" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Two standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MCB系列模壓型抗衝閥可使用 A孔、B孔 抗衝壓力。
- 閥本體鑄鐵製成且堅固性、壽命長。
- 內部硬鋼零件提高產品壽命。
- 二種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MCB-06-A, B	315 (4500 psi)	3/4"	190 (50.19 gpm)	14 (30.9 lbs)
Fluid Type 液壓油		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406. 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 磷 鍍 處理 化合物		

● All screws with metric measure, if require inch measure, please contact us.
所有螺絲皆為公制標準規格品，若有英制規格請向另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MCB	06	B	1	*	20

1 VALVE SERIES 系列名稱

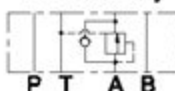
MCB=Counterbalance Modular Valves

2 SUBPLATE MOUNTING SIZE: 安裝口徑

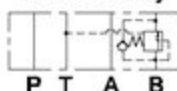
06= 3/4"(19mm)
ISO CETOP8
DIN NG 25
NFPA D08

3 ACTION FORM 動作形式

A=A Port Only



B=B Port Only



4 PRESSURE ADJUSTMENT 壓力調整範圍

1. 10~70 (bar)
2. 30~210 (bar)

5 SHAPE 調整器形狀

NONE:TOOL ADJUST 無：工具調整式
K:HAND-BAR ADJUST K：手把調整式

6 DESIGN NO 設計編號

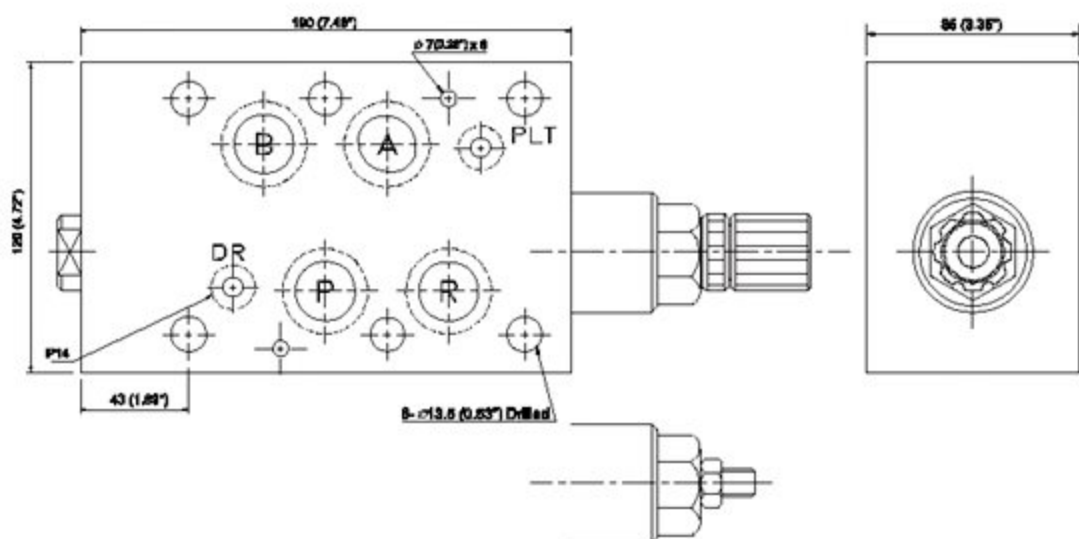
COUNTERBALANCE MODULAR VALVES

精密型抗振閥

MCB SERIES

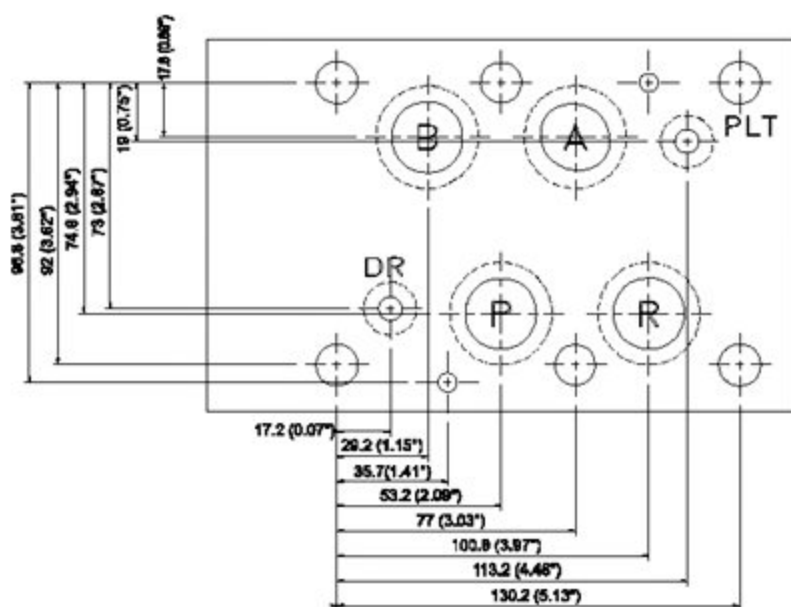
◆ DIMENSIONS 外形尺寸

MCB-06-A, B



◆ Mounting Interface 基座尺寸

ISO 4401-AE-08-4-A

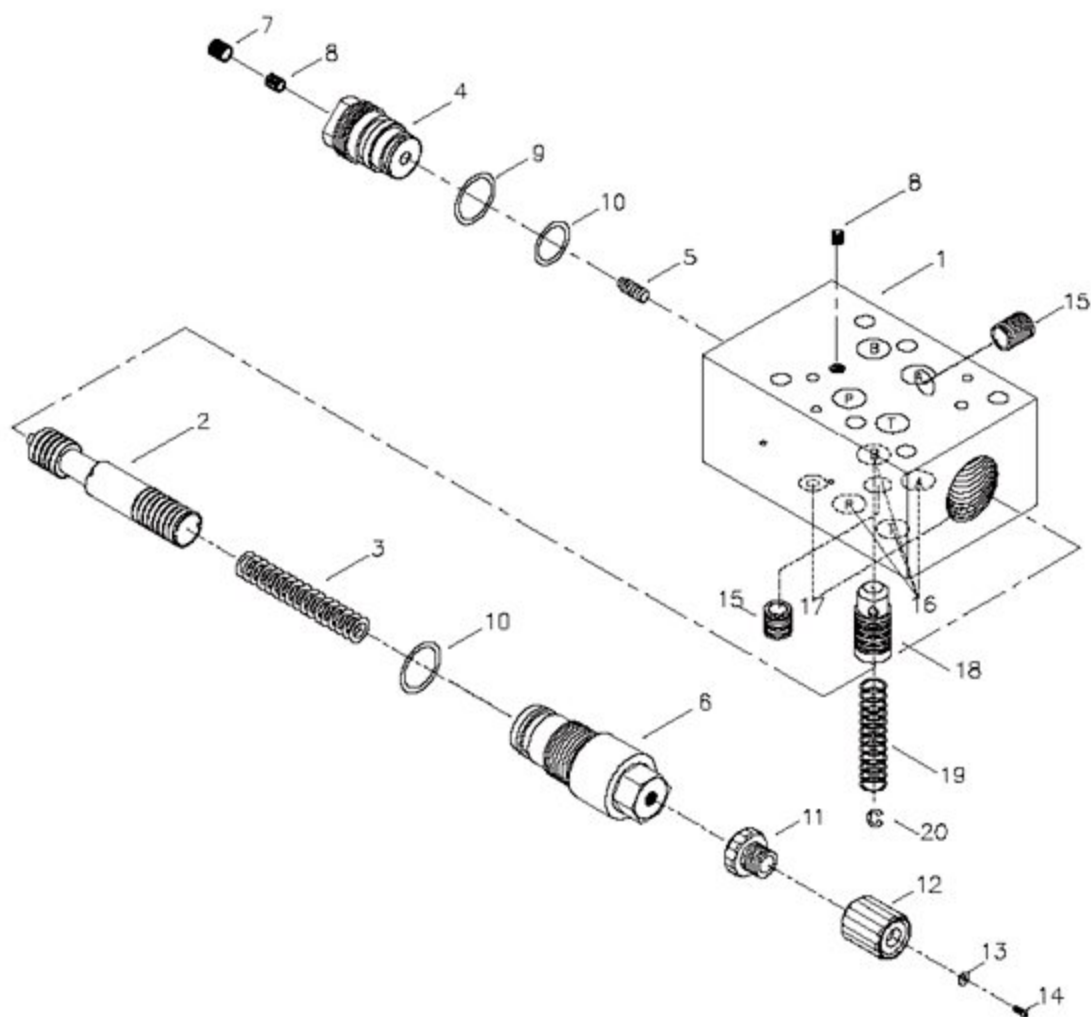


COUNTERBALANCE MODULAR VALVES

MCB SERIES

換氣式減壓閥

◆ PARTS LIST OF MCB-06 SERIES 零件清單圖



◆ SEAL KITS 密封配件

NO	Description	Qty	Specification
9	O-ring	1	G30
10	O-ring	2	G25
16	O-ring	4	P28
17	O-ring	2	P14

RELIEF MODULAR VALVES

MRV SERIES

模塊型減壓閥

◆ MODEL 型 式

MRV-01



◆ FEATURES

- MRV series modular relief valves can be used to efficiently restrict the "P" port, "A" port, or "B" port or the pressure from "A" and "B" port to the oil tank.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Four standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MRV系列模塊型減壓閥可使用 P孔、A孔、B孔 或 A-B孔至油池和A-B孔交叉有效的限制壓力。
- 鑄本體耐腐蝕強度持久耐用性、壽命長。
- 內部硬鋼零件提高產品壽命。
- 四種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MRV-01-P , A , B	315 (4500 psi)	1/8"	2 (0.53 gpm)	1.3 (2.9 lbs)
MRV-01-W				1.5 (3.3 lbs)
Fluid Type 液體型式		ISO VG 32 , 46 , 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 鋅磷酸鹽 化合物		

● All screws with metric measure, if require inch measure, please contact us.
所用螺絲皆為公制標準規格品。若需英制螺絲請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MRV	01	P	1	K	20

1 VALVE SERIES 系列名稱

MRV=Relief Modular Valves

2 SUBPLATE MOUNTING SIZE: 板厚口徑

01 = 1/8" (3mm)

4 PRESSURE ADJUSTMENT 壓力調整範圍

1. *~70 (bar)
2. 8~140 (bar)
3. 10~250 (bar)
4. 10~315 (bar)

5 SHAPE 調整器形狀

NONE: TOOL ADJUST 無, 工具調整式
K: HAND-BAR ADJUST K, 手把調整式

3 CONTROL PORT(S) 動作形式

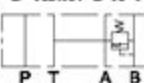
P=Relief P to T



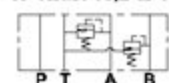
A=Relief A to T



B=Relief B to T



W=Relief A, B to T



6 DESIGN NO 設計編號

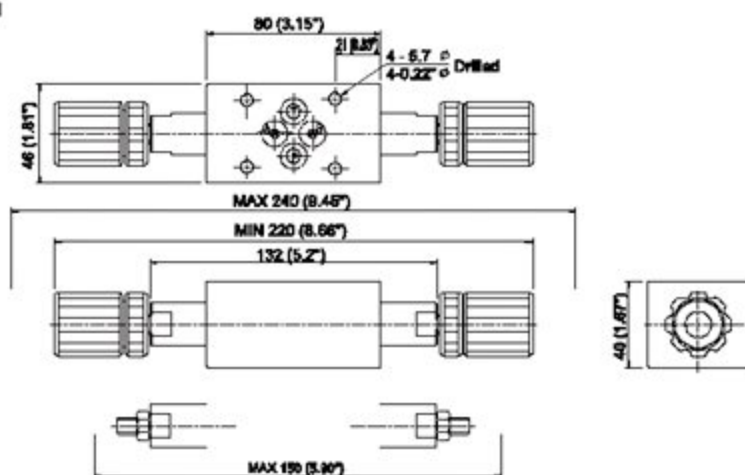
RELIEF MODULAR VALVES

精密圧縮機

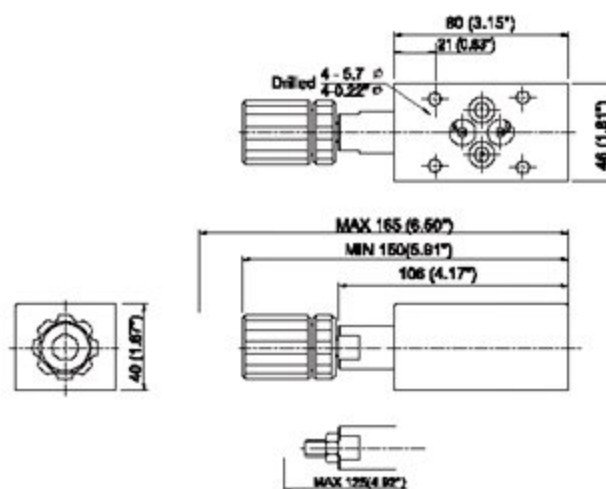
MRV SERIES

◆ DIMENSIONS 外形寸法

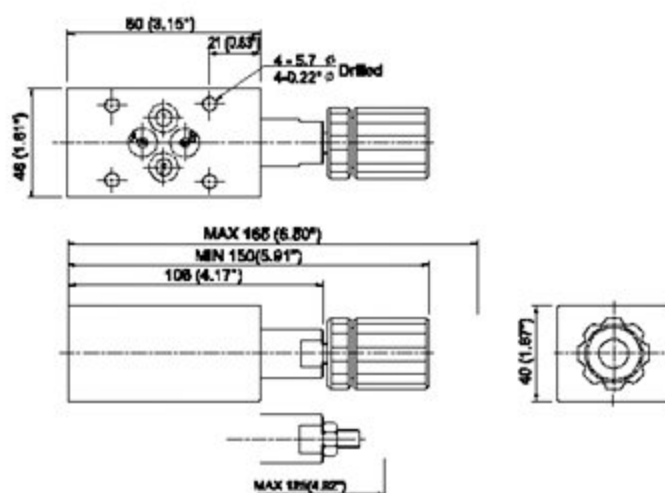
MRV-01-W



MRV-01-A



MRV-01-B



B
MRV

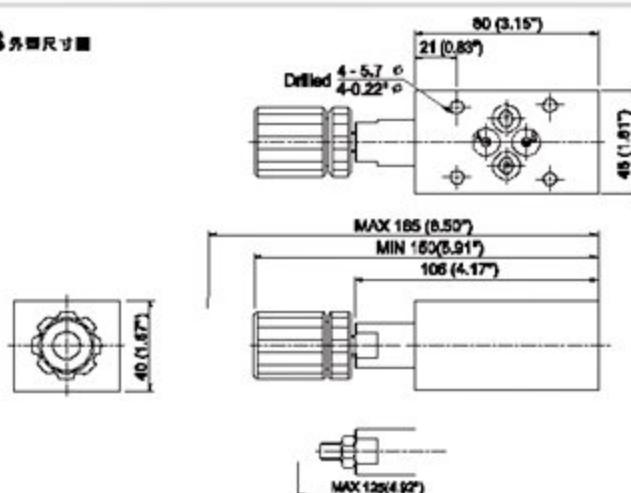
RELIEF MODULAR VALVES

MRV SERIES

積層式鋼壓機

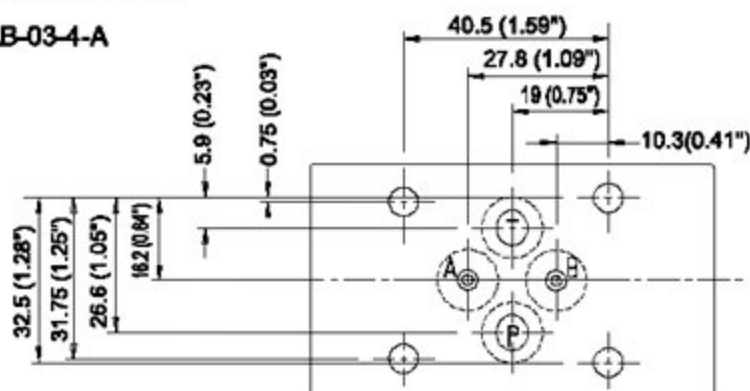
◆ DIMENSIONS 外觀尺寸圖

MRV-01-P

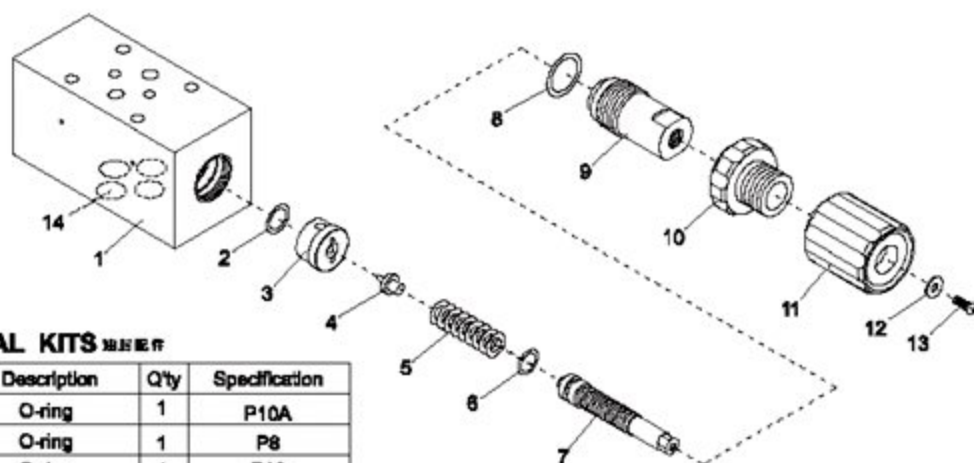


◆ Mounting Interface 安裝接口

ISO 4401-AB-03-4-A



◆ PARTS LIST OF MRV-01 SERIES 零件清單



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
2	O-ring	1	P10A
6	O-ring	1	P8
8	O-ring	1	P16
14	O-ring	4	P9

RELIEF MODULAR VALVES

模塊式溢流閥

MRV SERIES

◆ MODEL 型 式

MRV-02-P



◆ FEATURES

- MRV series modular relief valves can be used to efficiently restrict the "P" port, "A" port, or "B" port or the pressure from "A" and "B" port to the oil tank.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Four standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MRV系列模塊式溢流閥可使用 P孔、A孔、B孔 或 A-B孔至油壩
- 和A-B孔交叉有效限制壓力。
- 鑄本體鋼質堅固且耐久，壽命長。
- 內部硬質鋼零件提高產品壽命。
- 四種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MRV-02-P , A , B	315 (4500 psi)	1/4"	40 (10.56 gpm)	1.5 (3.3 lbs)
MRV-02-W				2 (4.4 lbs)
MRV-02-C				2 (4.4 lbs)
MRV-02-D	315 (4500 psi)	1/4"	20 (5.28 gpm)	2 (4.4 lbs)
MRV-02-AD				1.8 (4.0 lbs)
MRV-02-BD				
Fluid Type 液體型式			ISO VG 32 , 46 , 68	
Viscosity 黏性 cSt			10~400 (59~1854 SSU)	
Operating Temperature 操作溫度 °C			-15~70 (-5~158 °F)	
Contamination Level 污染標準			ISO4406, 21/19/16 NAS1638,10	
Surface Treatment 表面處理			Zinc Phosphate Compound 鋅磷酸鹽 化合物	

● All screws with metric measure, if require inch measure, please contact us.

● 所有螺絲皆為公制標準規格品，若需英制螺絲請另外買註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6	7
MRV	02	P	1	K	L	20

1 VALVE SERIES 系列名稱

MRV=Relief Modular Valves

2 SUBPLATE MOUNTING SIZE: 板厚口徑

02 = 1/4" (6mm)
ISO CETOP3
DIN NG 6
NPPA D03

4 PRESSURE ADJUSTMENT 壓力調整範圍

P, A, B, W	C, D, AD, BD
1. 8~70 (bar)	1. 8~70 (bar)
2. 8~140 (bar)	2. 10~210 (bar)
3. 10~250 (bar)	
4. 20~315 (bar)	

5 SHAPE 調整形狀

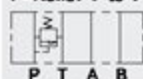
NONE: TOOL ADJUST 無，工具調整式
K: HAND-BAR ADJUST 手把調整式

6 ORIENTATION 調整方位

NONE: B ORIENTATION (Standard)
L: A ORIENTATION
無，B方向(標準型)
L: A方向

3 CONTROL PORT(S) 動作形式

P=Relief P to T



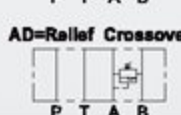
A=Relief A to T



B=Relief B to T
P T A B
C=Relief A, B to T
W=Relief A, B to T
P T A B

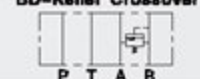


D=Relief Crossover
P T A B

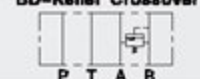


7 DESIGN NO 設計編號

AD=Relief Crossover



BD=Relief Crossover



RELIEF MODULAR VALVES

MRV SERIES

積層式調壓閥

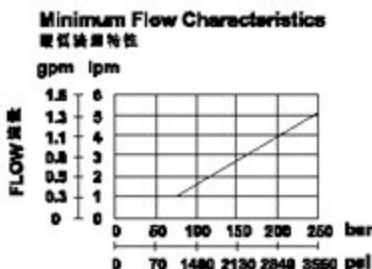
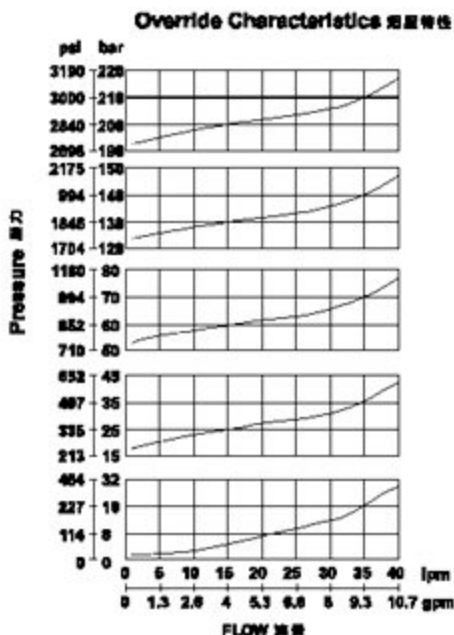
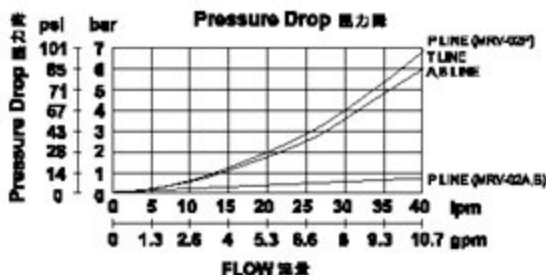
◆ PERFORMANCE 性能

Test Conditions 測試條件

Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏度: 35 cSt (163 SSU)

MRV-02



● Pressure Setting

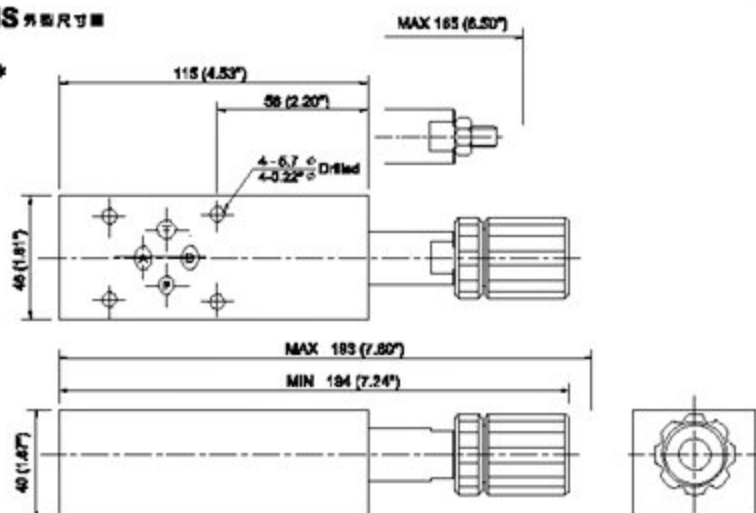
Facing to adjustment screw or knob, clockwise increasing pressure, counterclockwise decreasing pressure. Please tighten hex. nut or plastic setting nut after pressure adjusted.

● 壓力設定

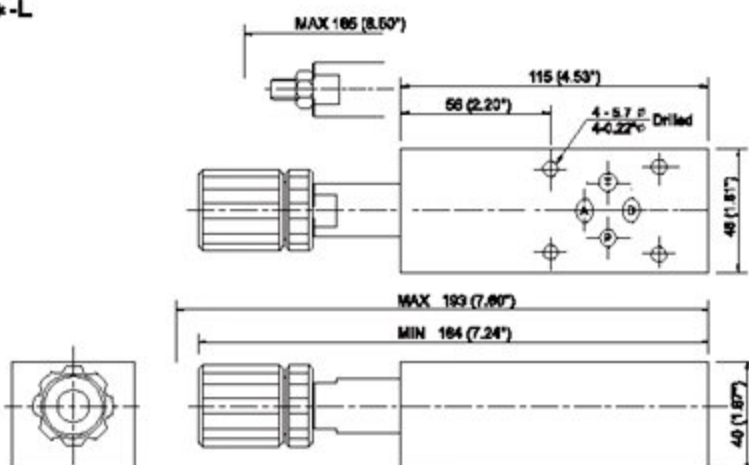
調整螺絲或把手時，逆時針方向調整壓力增加，逆時針方向調整壓力減低。調整後請鎖緊六角螺絲或塑膠調整螺帽。

◆ DIMENSIONS 外形尺寸圖

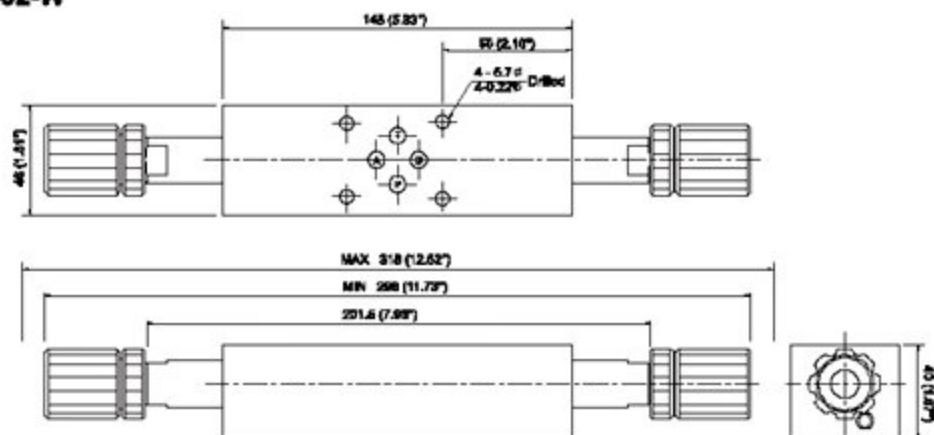
MRV-02-*



MRV-02- *-L



MRV-02-W



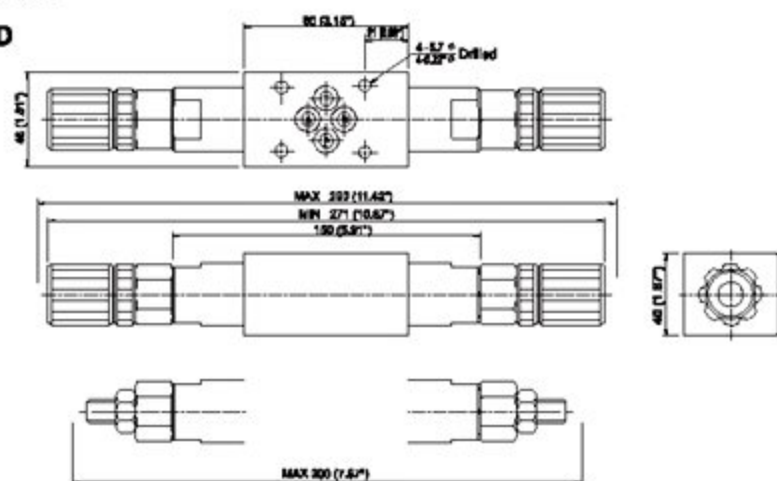
RELIEF MODULAR VALVES

MRV SERIES

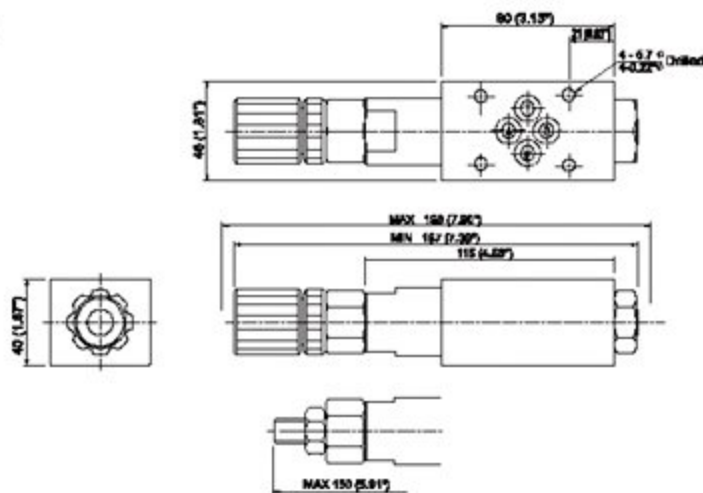
積層式鋼板閥

◆ DIMENSIONS 外形尺寸圖

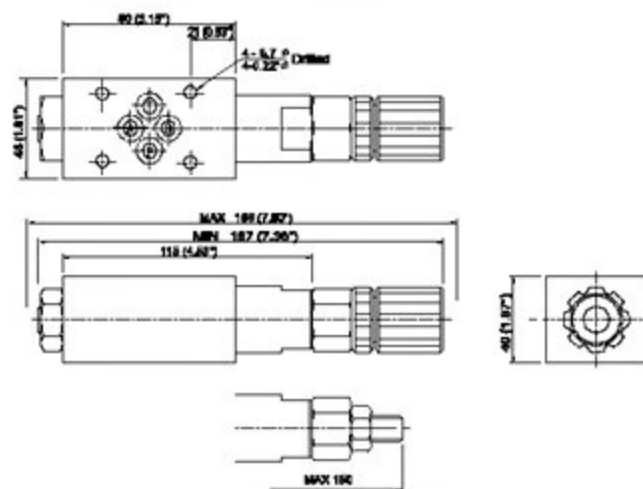
MRV-02-C, D



MRV-02-AD

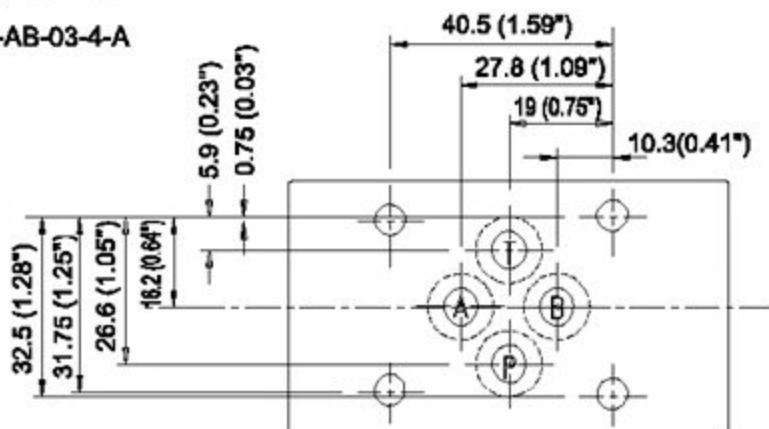


MRV-02-BD

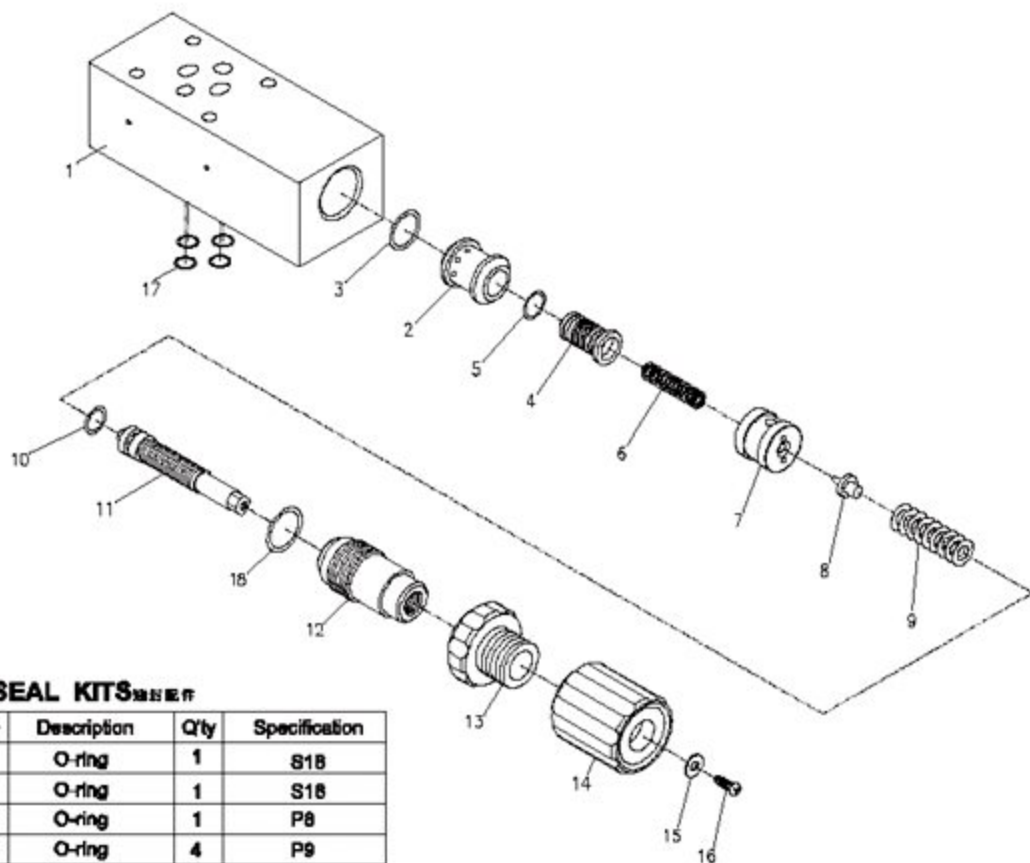


◆ Mounting Interface 取付尺寸

ISO 4401-AB-03-4-A



◆ PARTS LIST OF MRV-02 SERIES 零件圖表



◆ SEAL KITS 密封套件

NO	Description	Qty	Specification
3	O-ring	1	S18
5	O-ring	1	S18
10	O-ring	1	P8
17	O-ring	4	P9
18	O-ring	1	P16

SEQUENCE MODULAR VALVES

MSV SERIES

積層型順序閥

◆ MODEL 型 式

MSV-03P



◆ FEATURES

- MSV series modular sequence valves can be used to reduce pressure on the "P" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Two standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MSV 系列積層型順序閥可使用 P 孔減少壓力。
- 閥本體鑄鐵製成堅固且耐久性，壽命長。
- 內部硬鋼零件提高產品壽命。
- 二種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MSV-03-P	250 (3625 psi)	3/8"	80 (21.13 gpm)	4.2 (9.3 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406: 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 鋅磷酸鹽化合物		

● All screws with metric measure, if require inch measure, please contact us.
所用螺絲皆為公制標準規格，若需英制螺絲請另另詳註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MSV	03	P	1	*	20

1 VALVE SERIES 系列名稱
MSV=Sequence Modular Valves

2 SUBPLATE MOUNTING SIZE: 安裝口徑
03 = 3/8"(9mm)
ISO CETOP5
DIN NG 10
NFPA D05

3 CONTROL PORT(S) 操作形式
P=P Port Only



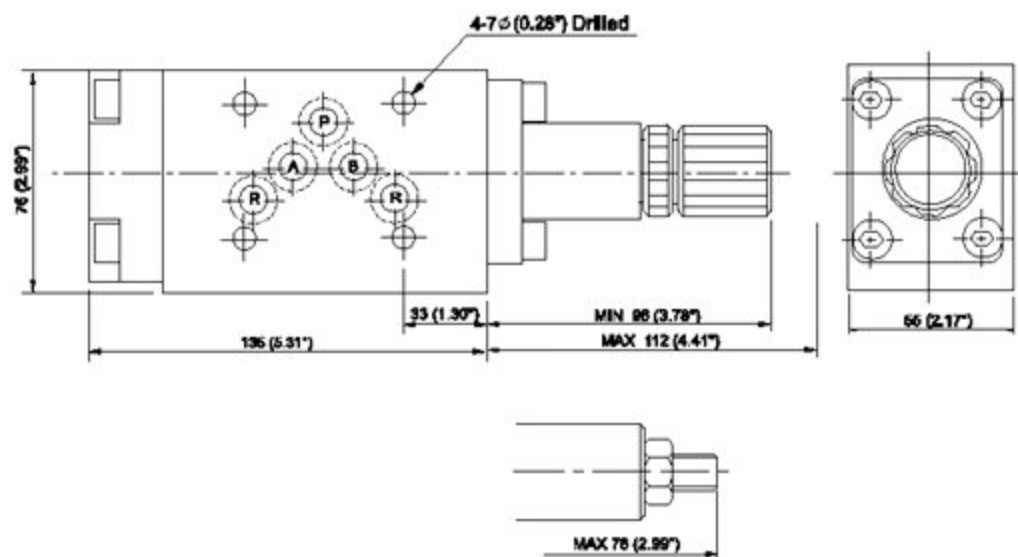
4 PRESSURE ADJUSTMENT 壓力調整範圍
1. 10~70 (bar)
2. 20~210 (bar)

5 SHAPE 調整器形狀
NONE: TOOL ADJUST 無，工具調整式
K: HAND-BAR ADJUST K：手把調整式

6 DESIGN NO 設計編號

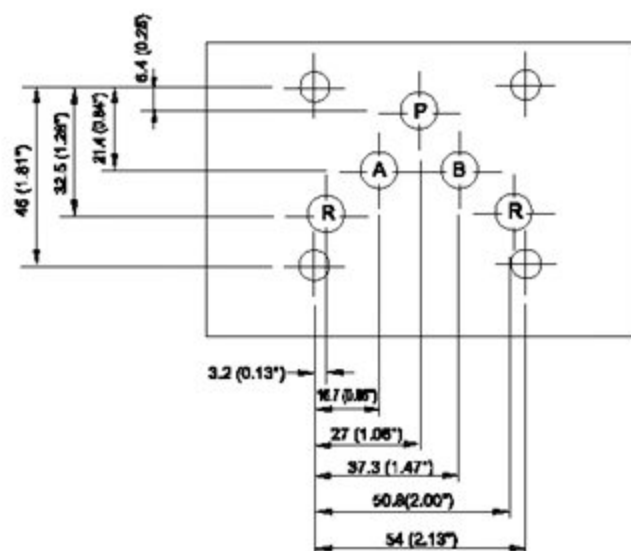
◆ DIMENSIONS 外形寸法

MSV-03-P



◆ Mounting Interface 基座寸法

ISO 4401-AC-05-4-A

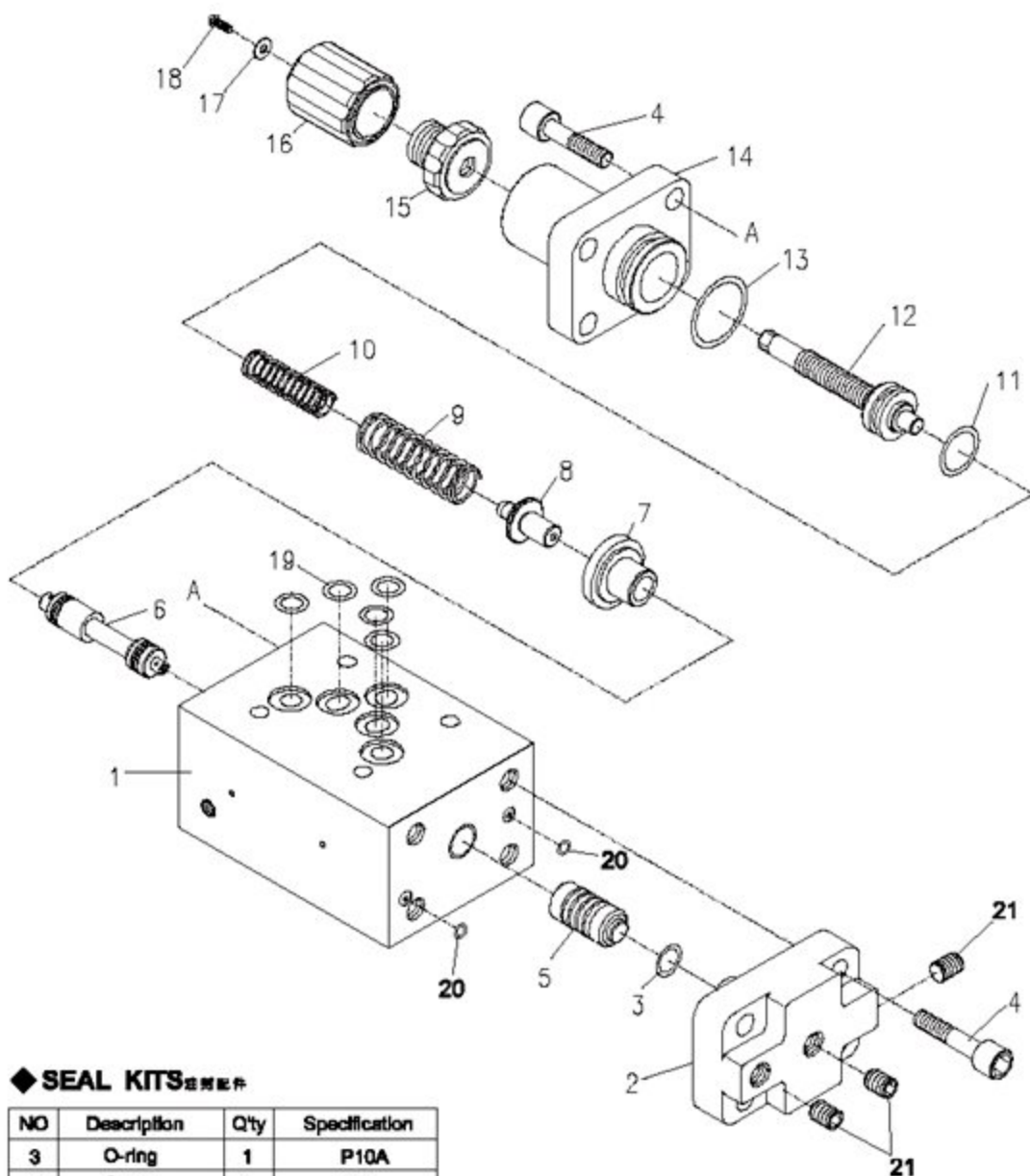


SEQUENCE MODULAR VALVES

MSV SERIES

顺序阀模块

◆ PARTS LIST OF MSV-03 SERIES 零件清单



◆ SEAL KITS 密封配件

NO	Description	Qty	Specification
3	O-ring	1	P10A
11	O-ring	1	P16
13	O-ring	1	G25
19	O-ring	4	P12
20	O-ring	2	P6

ACCESSORIES 附件

4	HEX COUNTER-SINK SCREW	8	M5 x 1.25 x 25L
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RELIEF MODULAR VALVES

MRV SERIES

模塊型減壓閥

◆ MODEL 型 式

MRV-03



◆ FEATURES

- MRV series modular relief valves can be used to efficiently restrict the "P" port, "A" port, or "B" port or the pressure from "A" and "B" port to the oil tank.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Three standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MRV系列模塊型減壓閥可使用 P孔、A孔、B孔 或 A-B孔至油箱
- 或A-B孔交叉有效的限制壓力。
- 鑄鐵閥體強度優良且持久耐用，壽命長。
- 內部硬鋼零件提高產品壽命。
- 三個標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MRV-03-P, A, B	315 (4500 psi)	3/8"	80 (21.13 gpm)	3.3 (7.3 lbs)
MRV-03-W				3.9 (8.6 lbs)
MRV-03-D			30 (7.925gpm)	4.8 (10.8 lbs)
MRV-03-AD				4 (8.8 lbs)
MRV-03-BD				
Fluid Type 液體型式		ISO VG 32 , 46 , 68		
Viscosity 黏度 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406: 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 磷 鎳 鍍 化合物		

● All screws with metric measure, if require Inch measure, please contact us.
所有螺絲皆為公制標準規格，若需英制規格請與外務部說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6	7
MRV	03	P	1	K	L	20

1 VALVE SERIES 系列名稱
MRV=Relief Modular Valves

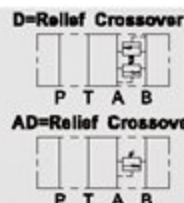
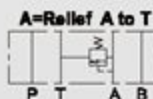
4 PRESSURE ADJUSTMENT 壓力調整範圍
P, A, B, W D, AD, BD
1. *~70 (bar) 1. *~70 (bar)
3. 10~250(bar) 3. 10~250(bar)
4. 10~315(bar)

2 SUBPLATE MOUNTING SIZE: 端接口徑
03 = 3/8"(9mm)
ISO CETOP5
DIN NG 10
NPPA D05

5 SHAPE 調整器形狀
NONE: TOOL ADJUST 無，工具調整式
K: HAND-BAR ADJUST K: 手柄調整式

6 ORIENTATION 調整器方向
NONE: B ORIENTATION (Standard)
LA: ORIENTATION
無，B方向(標準型)
L: A方向

3 CONTROL PORT(S) 動作形式



7 DESIGN NO 設計編號

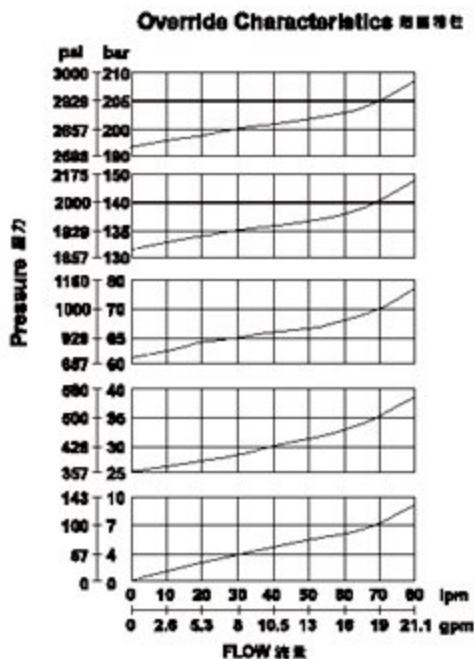
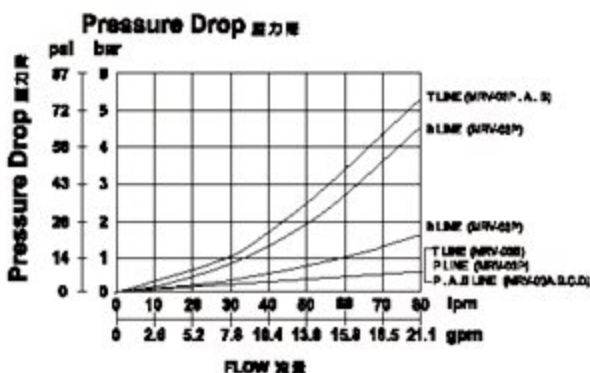
◆ PERFORMANCE 性能

Test Conditions 測試條件

Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏度: 35 cSt (163 SSU)

MRV-03



● Pressure Setting

Facing to adjustment screw or knob, clockwise increasing pressure, counterclockwise decreasing pressure. Please tighten hex. nut or plastic setting nut after pressure adjusted.

● 壓力設定

調整螺絲或把手時鐘方向調整壓力增強，逆時鐘方向調整壓力減弱。
壓力調整後請緊六角螺帽或塑膠安裝螺帽。

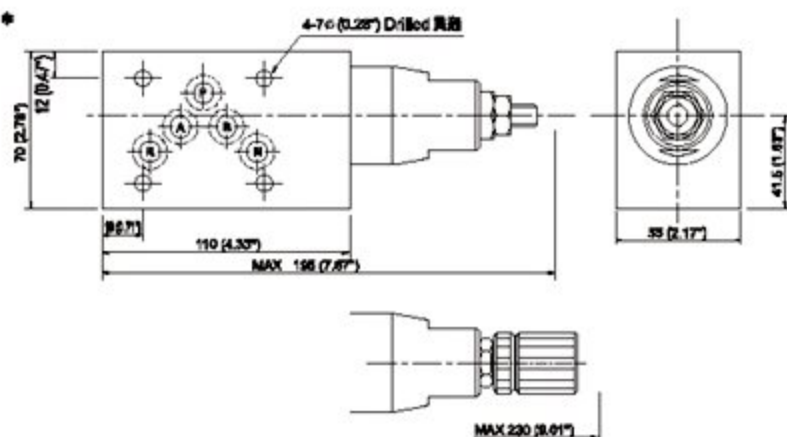
RELIEF MODULAR VALVES

MRV SERIES

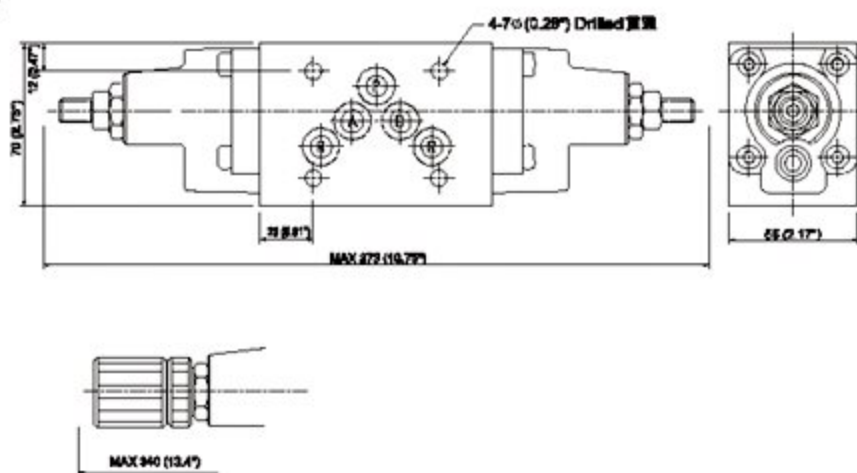
積層式鋼板閥

◆ DIMENSIONS 外形尺寸圖

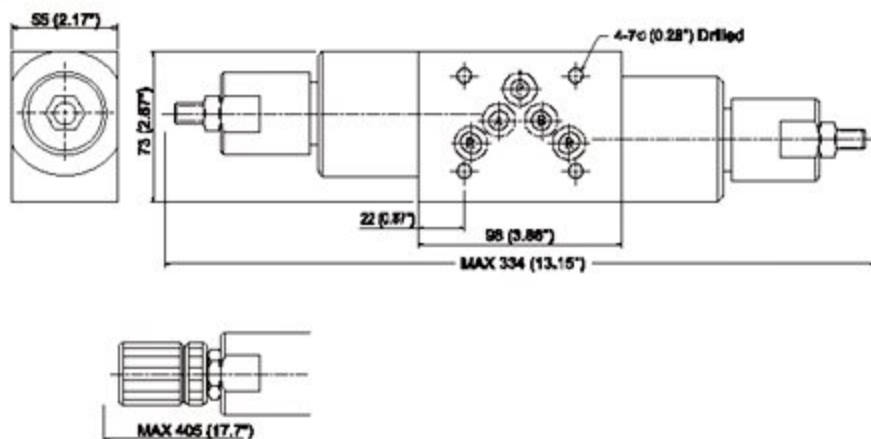
MRV-03-*



MRV-03-W

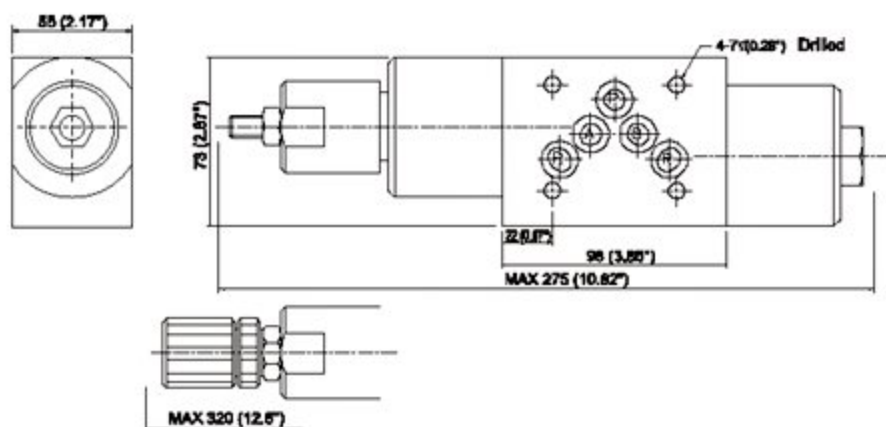


MRV-03-D

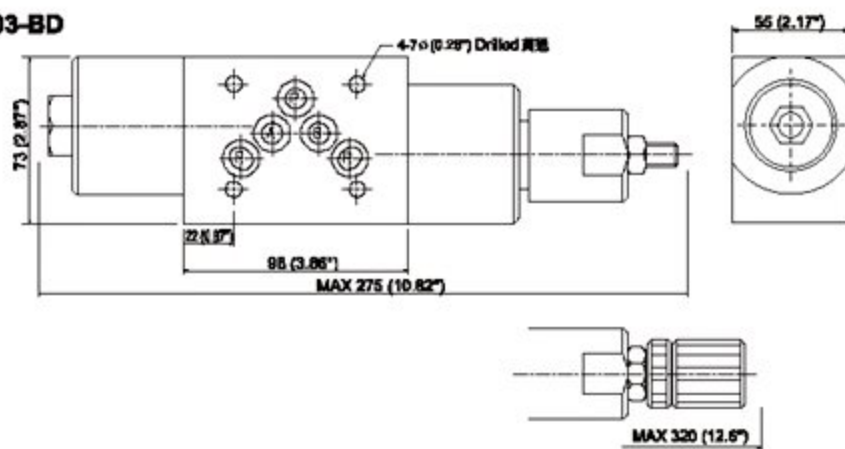


◆ DIMENSIONS 外形寸法

MRV-03-AD

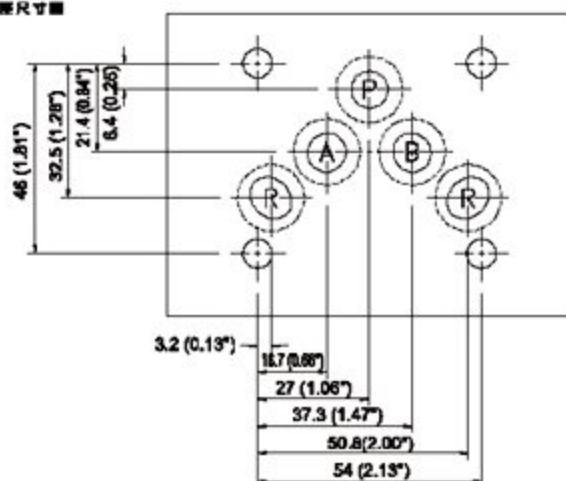


MRV-03-BD



◆ Mounting Interface 取付面

ISO 4401-AC-05-4-A



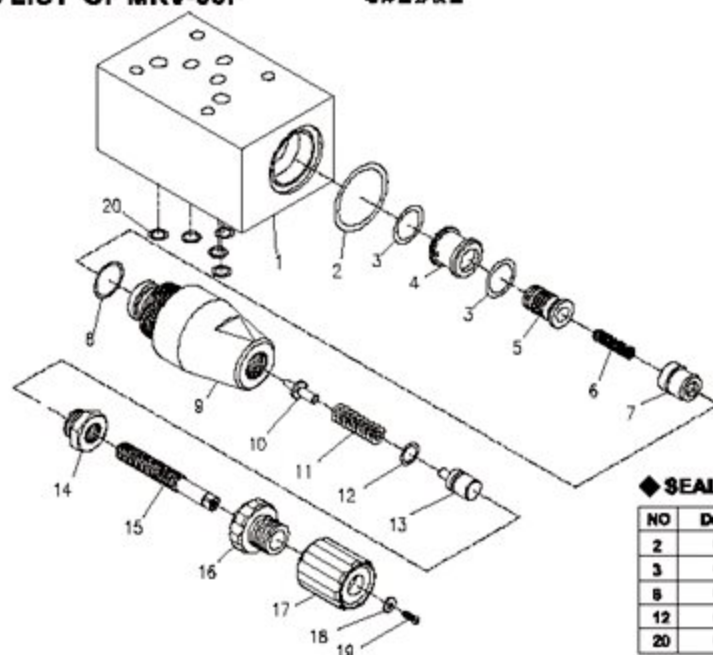
RELIEF MODULAR VALVES

MRV SERIES

積層式鋼板閥

◆ PARTS LIST OF MRV-03P

零件圖解說明

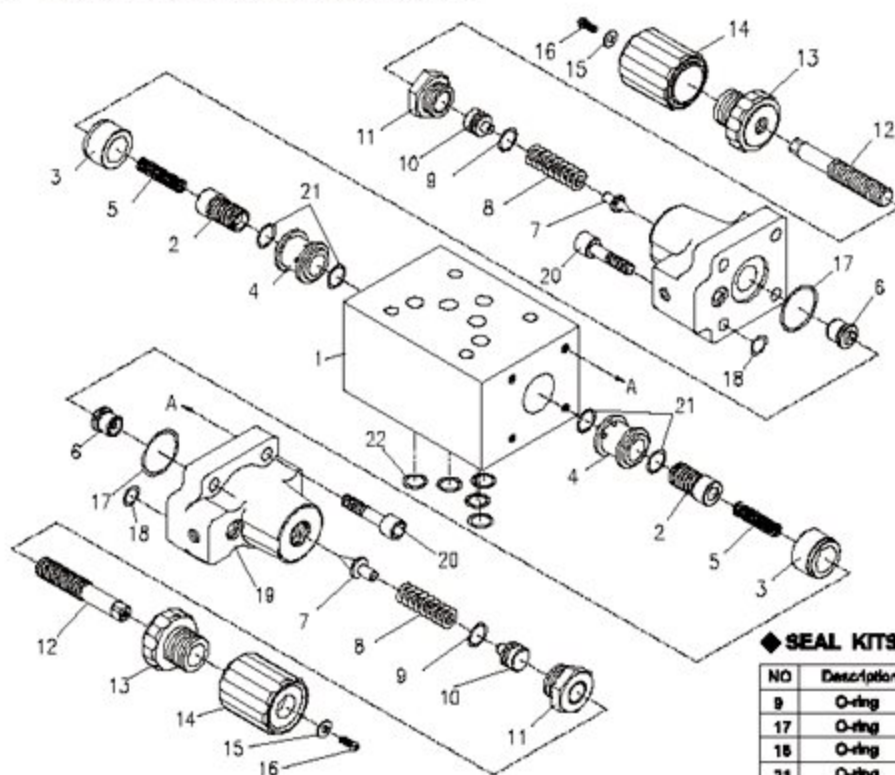


◆ SEAL KITS 密封件

NO	Description	Qty	Specification
2	O-ring	1	G85
3	O-ring	2	P18
8	O-ring	1	P18
12	O-ring	1	P9
20	O-ring	5	P12

◆ PARTS LIST OF MRV-03W

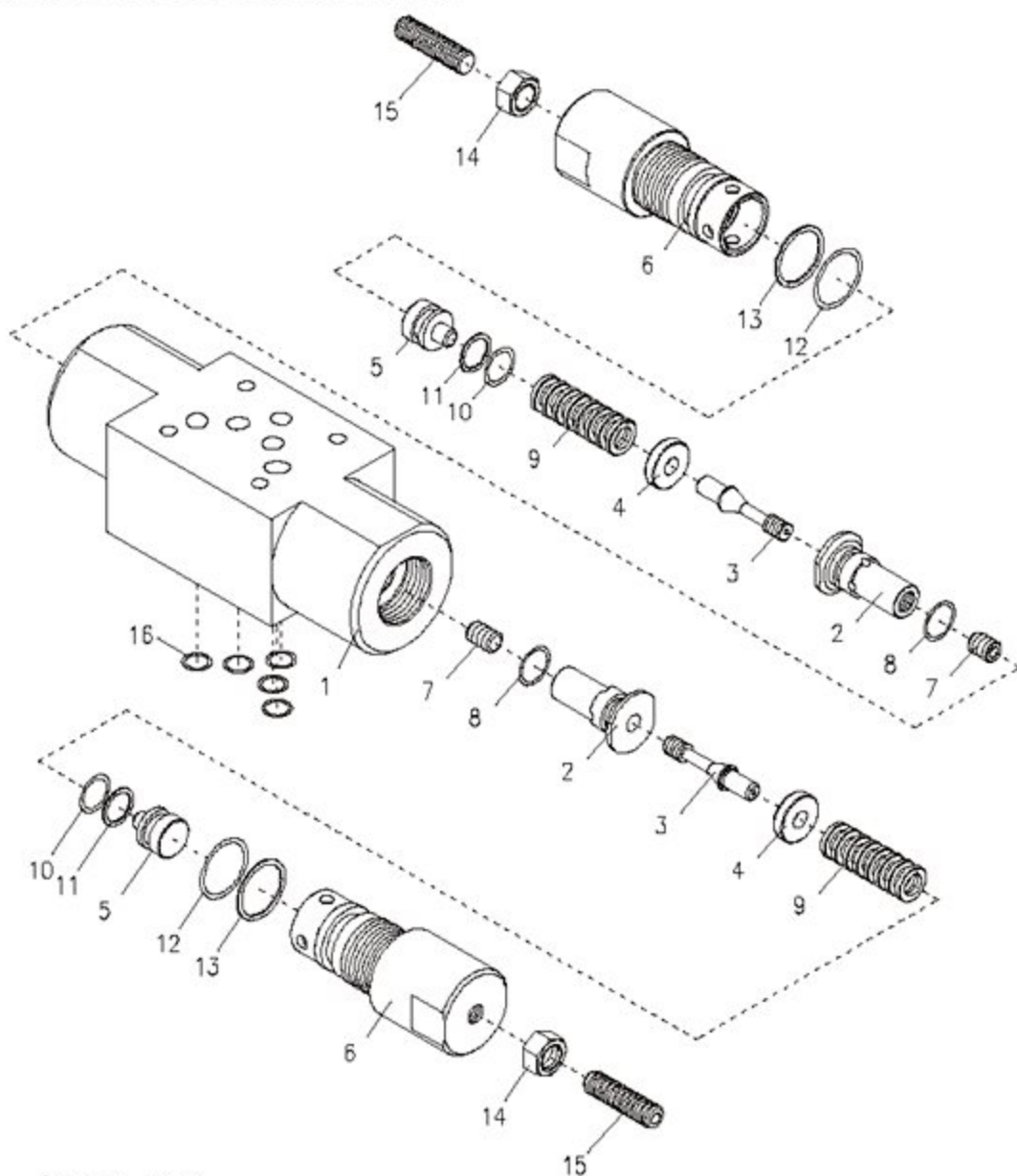
零件圖解說明



◆ SEAL KITS 密封件

NO	Description	Qty	Specification
9	O-ring	2	P8
17	O-ring	2	P22
18	O-ring	2	P8
21	O-ring	4	P18
22	O-ring	6	P12

◆ PARTS LIST OF MRV-03D 零件圖表



◆ SEAL KITS 密封配件

NO	Description	Qty	Specification
8	O-ring	2	P14
10	O-ring	2	P14
11	黃托環	2	P14
12	O-ring	2	P30
13	黃托環	2	P30
16	O-ring	5	P12

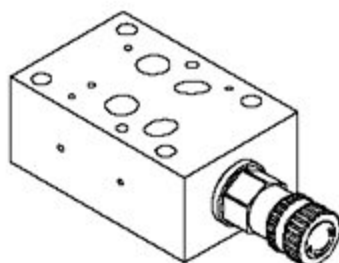
RELIEF MODULAR VALVES

MRV SERIES

積層式調壓閥

◆ MODEL 型 式

MRV-04



◆ FEATURES

- MRV series modular relief valves can be used to efficiently restrict the "P" port, "A" port, or "B" port or the pressure from "A" and "B" port to the oil tank.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Four standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

● 特 點

- MRV系列調壓閥可應用於P、A、B或A-B孔至油池。
- 灰口鐵閥體具有良好機械強度。
- 閥內硬質鋼零件提高耐用性。
- 內部硬質鋼零件提高耐用性。
- 二種調壓方式為螺絲或手調。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MRV-04-P, A, B	420 (8082 psi)	1/2"	300 (79.25 gpm)	6 (13.2 lbs)
Fluid Type 液體類型		ISO VG 32, 46, 68		
Viscosity 黏度 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染等級		ISO4406: 21/18/18 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 磷酸鹽化合物		

● All screws with metric measure, if require inch measure, please contact us.
所有螺絲皆為公制標準規格，如需英制規格請與本公司洽詢。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MRV	04	P	1	K	20

1 VALVE SERIES 系列名稱

MRV=Relief Modular Valves

2 SUBPLATE MOUNTING SIZE: 接口口徑

04 = 1/2" (12mm)
ISO CETOP7
DIN NG 16
NFPAD07

3 CONTROL PORT(S) 控制形式

P=Relief P to T



A=Relief A to T



B=Relief B to T



4 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
1	3~80 (bar)
2	3~100 (bar)
3	3~210 (bar)
4	12~420 (bar)

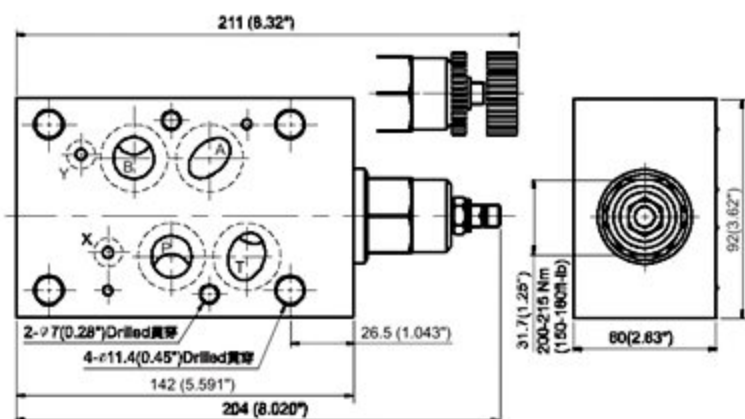
5 ADJUSTMENT OPTION 調整選擇

NONE	NONE: TOOL ADJUST 無工具調整式	
K	K: HAND-BAR ADJUST K: 手把調整式	

6 DESIGN NO 設計編號

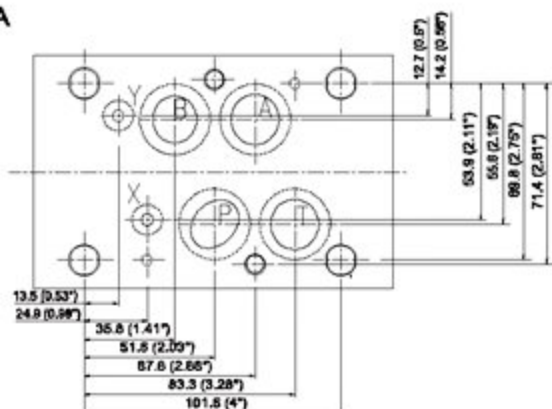
◆ DIMENSIONS 外形尺寸圖

MRV-04-P, A, B



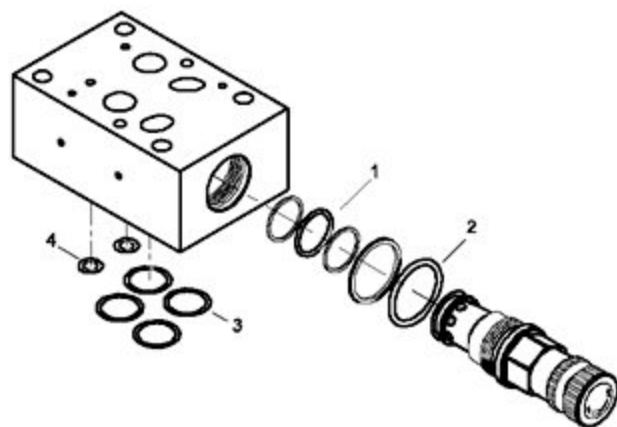
◆ Mounting Interface 安裝尺寸圖

ISO 4401-AD-07-4-A



◆ PARTS LIST OF MRV-04P, A, B

零件爆炸圖



◆ SEAL KITS 密封配件

NO	Description	Qty	Specification
1	O-ring	1	AS-121
2	O-ring	1	AS-124
3	O-ring	4	AS-119
4	O-ring	2	P9

RELIEF MODULAR VALVES

MRV SERIES

模塊型減壓閥

◆ MODEL 型 式

MRV-06



◆ FEATURES

- MRV series modular relief valves can be used to efficiently restrict the "P" port, "A" port, or "B" port or the pressure from "A" and "B" port to the oil tank.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Four standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

◆ 特 點

- MRV系列模塊型減壓閥可使用 P孔、A孔、B孔 或 A-B孔至油罐和A-B孔交叉有效的限制壓力。
- 鑄本體結構強度與耐用性，壽命長。
- 內部硬質鋼零件提高產品壽命。
- 四種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MRV-06-P, A, B	315 (4500 psi)	3/4"	200 (52.84 gpm)	12.2 (26.9 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406. 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 磷 鋅磷酸 化合物		

- ◆ All screws with metric measure, if require inch measure, please contact us.
所有螺絲均為公制標準規格品，若需英制螺絲請與我們聯繫說明。

◆ HOW TO ORDER 訂貨說明

1	2	3	4	5	6
MRV	06	P	1	K	20

1 VALVE SERIES 系列名稱

MRV=Relief Modular Valves

2 SUBPLATE MOUNTING SIZE: 板厚口徑

06= 3/4"(19mm)
ISO CETOP8
DIN NG 25
NFFA D08

4 PRESSURE ADJUSTMENT 壓力調整範圍

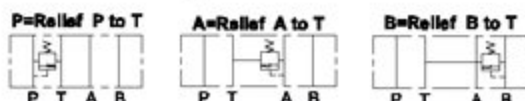
1. 0 ~ 70 (bar)
2. 0 ~ 140 (bar)
3. 0 ~ 250 (bar)
4. 0 ~ 315 (bar)

5 SHAPE 調整板形狀

NONE=TOOL ADJUST 無，工具調整
K=HAND-BAR ADJUST K，手把調整

6 DESIGN NO 設計編號

3 CONTROL PORT(S) 動作形式



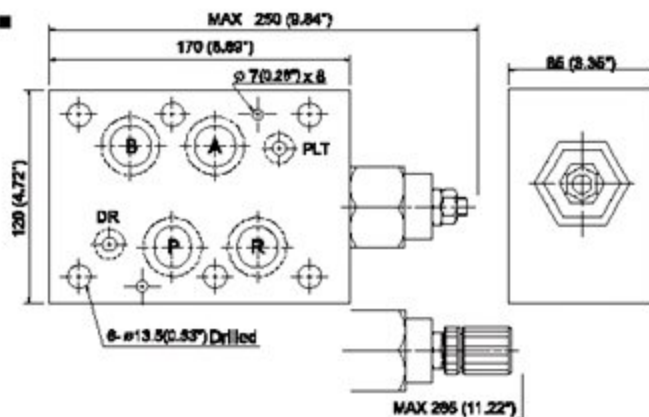
RELIEF MODULAR VALVES

精密型調圧器

MRV SERIES

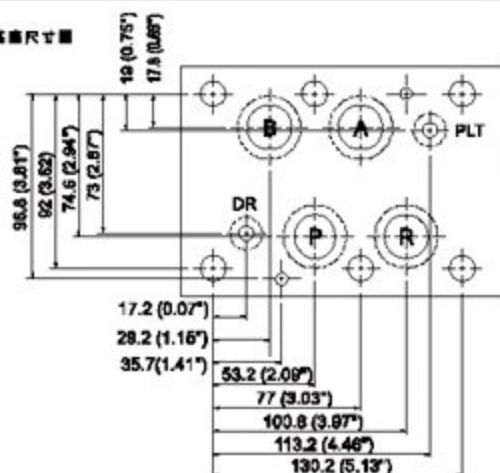
◆ DIMENSIONS 外形寸で示す

MRV-06-※



◆ Mounting Interface 基座寸で示す

ISO 4401-AE-08-4-A

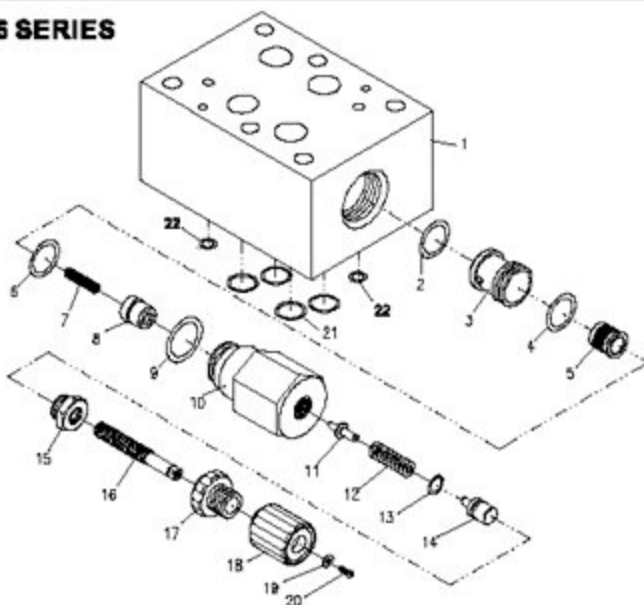


◆ PARTS LIST OF MRV-06 SERIES

零件番号表

◆ SEAL KITS 密封部品

NO	Description	Qty	Specification
2	O-ring	1	Q25
4	O-ring	1	Q25
8	O-ring	1	Q25
9	O-ring	1	P35
13	O-ring	1	P6
21	O-ring	4	P25
22	O-ring	2	P14



B
MRV

SOLENOID OPERATED PRESSURE RELIEF VALVE

MSRV SERIES

機壓型電控調壓閥

◆ MODEL 型 式

MSRV-03



◆ FEATURES

- MSRV series solenoid operated pressure relief valves can be used to reduce pressure on the "P" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Three standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MSRV系列機壓型電控調壓閥可使用 P 孔調壓壓力。
- 閥本體鑄鐵強度且耐久性、壽命長。
- 內硬鋼零件提高產品壽命。
- 三種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MSRV-02-P	315 (4500 psi)	1/4"	40 (10.56 gpm)	2 (4.4 lbs)
MSRV-03-P	315 (4500 psi)	3/8"	80 (21.10 gpm)	3.6 (7.9 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406, 21/19/18 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 鋅磷酸鹽化合物		

All screws with metric measure, if requires inch measure, please contact us.
所有螺絲皆為公制標準規格品，若需英制規格請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6	7
MSRV	03	P	1	K	D2	10

1 VALVE SERIES 系列名稱

MSRV=Solenoid Operated Pressure Relief Valve

2 SUBPLATE MOUNTING SIZE: 安裝口徑

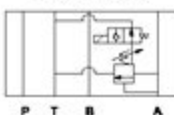
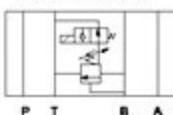
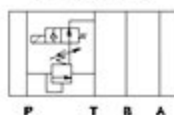
02 = 1/4"(6mm) 03 = 3/8"(9mm)
ISO CETOP3 ISO CETOP5
DIN NG 6 DIN NG 10
NFPA D03 NFPA D05

3 CONTROL PORT(S) 動作形式

P=P Port Only

A=A Port Only

B=B Port Only



4 ADJUSTMENT PRESSURE 壓力調整範圍

1. 1~70 (bar)
2. 8~140 (bar)
3. 10~250 (bar)
4. 20~315 (bar)

5 SHAPE 調整部形狀

NONE: TOOL ADJUST 無：工具調整式
K: HAND-BAR ADJUST K：手把調整式

6 TYPE OF COIL 電磁線圈電壓線圈類型

A1: 115VAC D1: 12 VDC
A2: 230VAC D2: 24 VDC

7 DESIGN NO 設計編號

SOLENOID OPERATED PRESSURE RELIEF VALVE

電磁控制閥

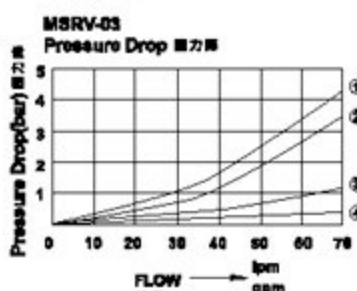
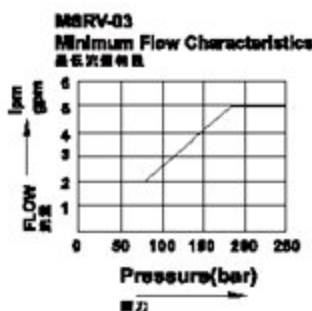
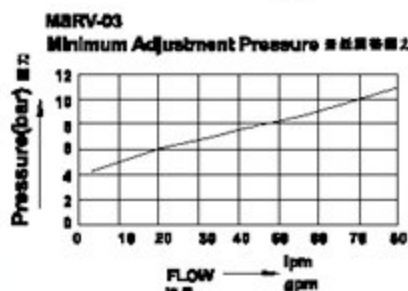
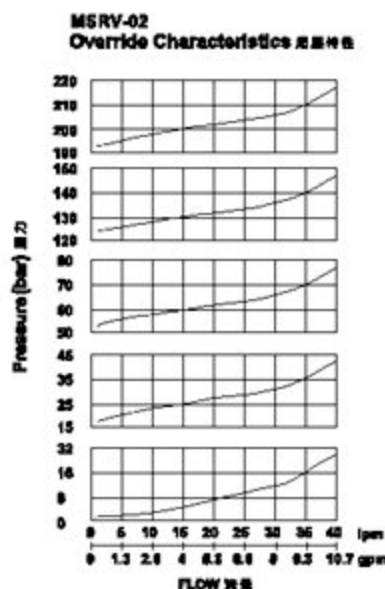
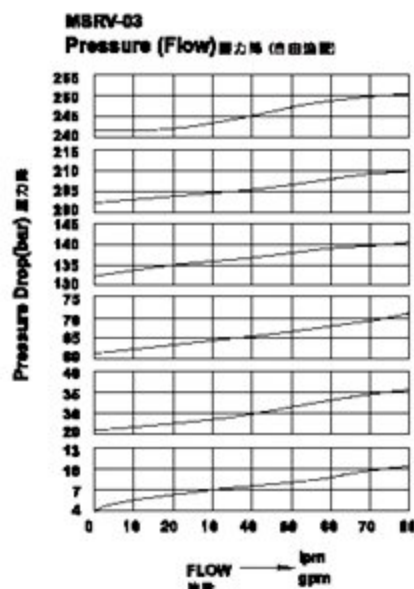
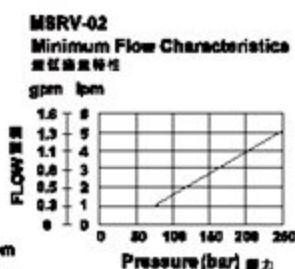
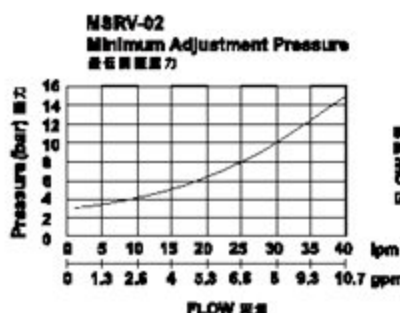
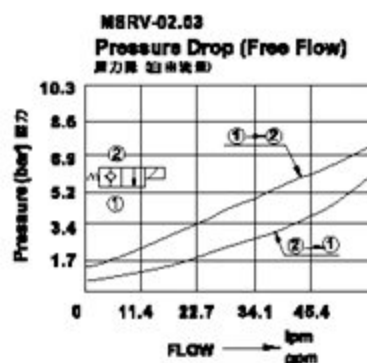
MSRV SERIES

◆ PERFORMANCE 性能

Test Conditions 試驗條件

Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏度: 35 cSt (183 SSU)



- ①: MSRV-03P T LINE
- ②: MSRV-03P A LINE
- ③: MSRV-03P B LINE
- ④: MSRV-03P P LINE

B
MSRV

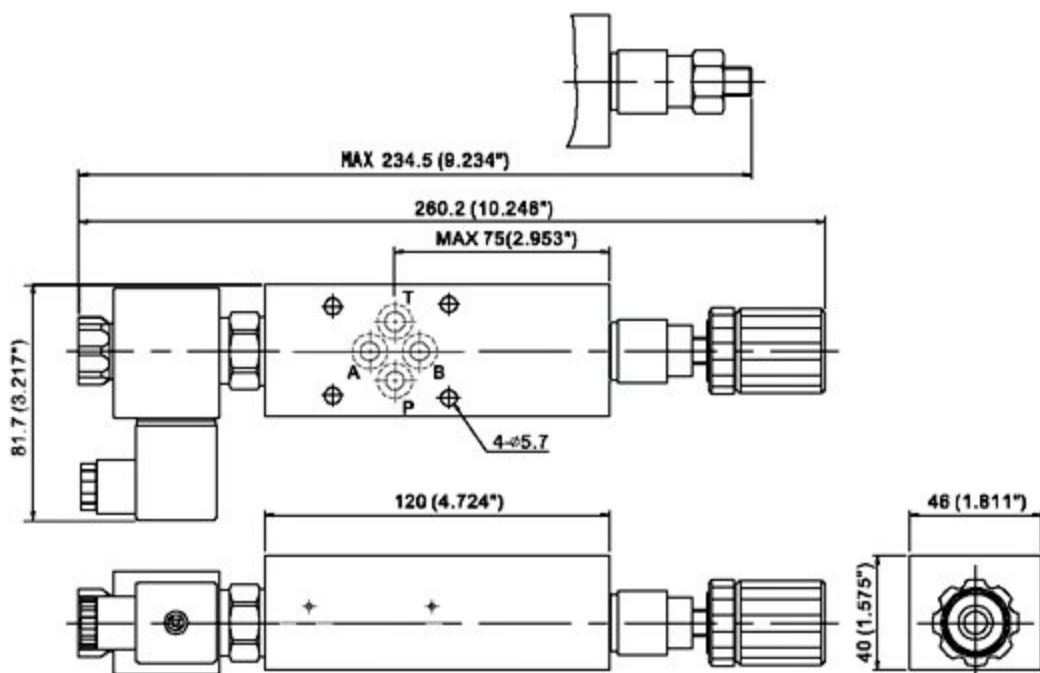
SOLENOID OPERATED PRESSURE RELIEF VALVE

MSRV SERIES

電磁式電控減壓閥

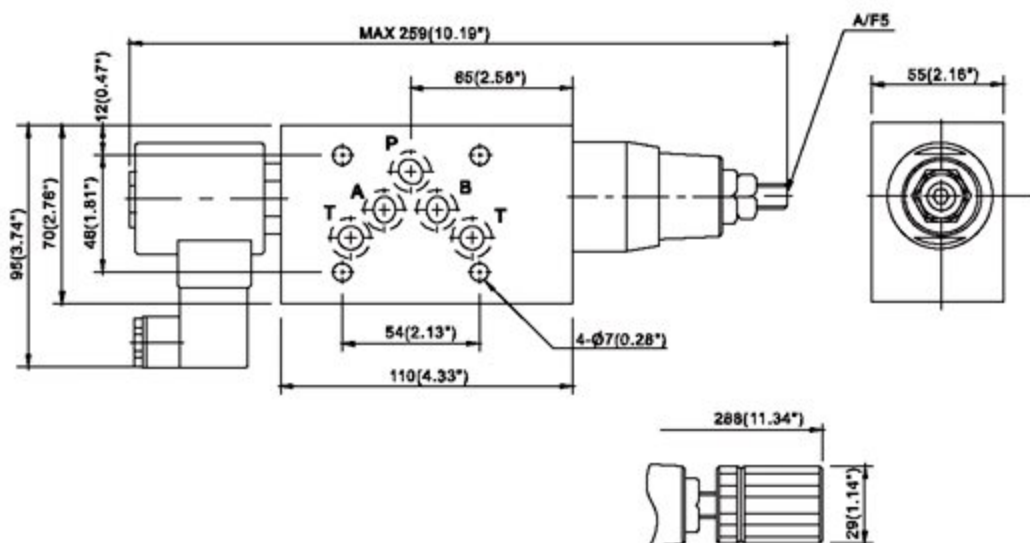
◆ DIMENSIONS 外形尺寸 ■ MSRV-02

◆ Mounting Interface 基座尺寸 ■ ISO 4401-AB-03-4-A



◆ DIMENSIONS 外形尺寸 ■ MSRV-03

◆ Mounting Interface 基座尺寸 ■ ISO 4401-AC-05-4-A



SEQUENCE MODULAR VALVES

MSV SERIES

積層型順序閥

◆ MODEL 型 式

MSV-02P



◆ FEATURES

- MSV series modular sequence valves can be used to reduce pressure on the "P" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Two standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.

- 特 點
- MSV 系列積層型順序閥可使用 P 孔減少壓力。
- 鑄鐵閥體具有良好耐用性，壽命長。
- 內部硬質鋼零件提高產品壽命。
- 二種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MSV-02-P	250 (3625 psi)	1/4"	40 (10.58 gpm)	1.2 (2.7 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406. 21/19/16 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 鋅磷酸鹽化合物		

● All screws with metric measure, if require inch measure, please contact us.
所用螺絲皆為公制標準規格品，若需英制規格請另外備註說明。

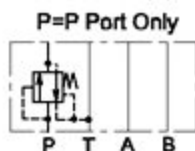
◆ HOW TO ORDER 訂購說明

1	2	3	4	5	6
MSV	02	P	1	*	20

1 VALVE SERIES 系列名稱
MSV=Sequence Modular Valves

2 SUBPLATE MOUNTING SIZE: 基板口徑
02 = 1/4" (6mm)
ISO CETOP3
DIN NG 6
NPPA D03

3 CONTROL PORT(S) 操作形式



4 PRESSURE ADJUSTMENT 壓力調整範圍
1. 8~70 (bar)
2. 10~210 (bar)

5 SHAPE 調整器形狀
NONE: TOOL ADJUST 無：工具調整式
K: HAND-BAR ADJUST K：手把調整式

6 DESIGN NO 設計編號

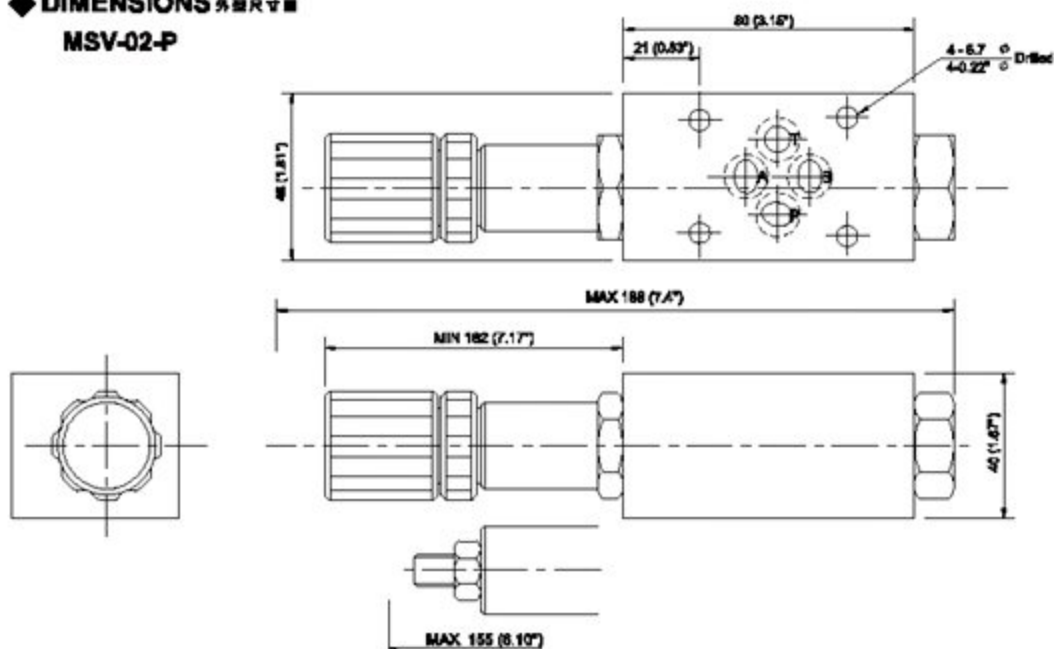
SEQUENCE MODULAR VALVES

油壓式順序閥

MSV SERIES

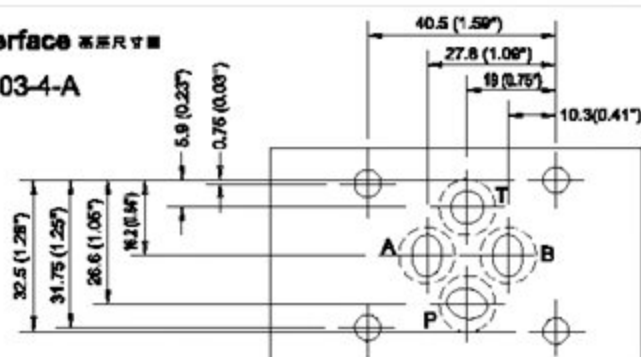
◆ DIMENSIONS 外形尺寸圖

MSV-02-P



◆ Mounting Interface 安裝尺寸圖

ISO 4401-AB-03-4-A

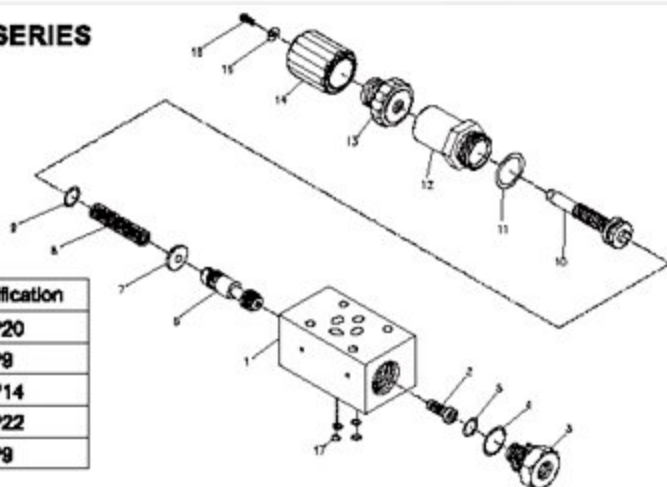


◆ PARTS LIST OF MSV-02 SERIES

零件清單圖

◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
4	O-ring	1	P20
5	O-ring	1	P9
9	O-ring	1	P14
11	O-ring	1	P22
17	O-ring	4	P9



MODULAR OVERCENTRE VALVE PILOT ASSISTED RELIEF WITH CHECK

模塊式過心閥

MVCB SERIES

◆ MODEL 型 式

MVCB-02



◆ FEATURES

- MVCB series modular overcentre valves pilot assisted relief with check can be used to reduce pressure on the "w" port, the "A" port, or the "B" port.
- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.
- Three standard pressure setting options are available.
- Two pressure adjustment options are: hex. screw or knob.
- Assisted pilot is standard.

- 特 點
- MVCB模塊式過心閥可使用 W、A、B 及 抗衝壓力。
- 閥本體鑄鐵強度且耐用性，壽命長。
- 內部硬鋼零件提高壽命。
- 二種標準壓力設定選擇。
- 六角螺絲或把手兩種壓力調整選擇。
- 此閥付附輔助引導。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Pilot Ratio 引導比例	Maximum Flow 最大流量 lpm	Weight 重量 Kg
MVCB-02-A / B- *	350 (5076 psi)	1/4"	3:1 / 10:1	30 (7.92 gpm)	1.8 (3.97 lbs)
MVCB-02-W- *					2 (4.40 lbs)
MVCB-03-A / B- *		3/8"		60 (15.85 gpm)	3.1 (6.83 lbs)
MVCB-03-W- *					3.5 (7.72 lbs)
Fluid Type 液體型式			ISO VG 32 , 46 , 68		
Viscosity 黏性 cSt			10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158 °F)		
Contamination Level 污染標準			ISO4406: 21/19/16 NAS1638,10		
Surface Treatment 表面處理			Zinc Phosphate Compound 磷 鍍磷酸 化合物		

● All screws with metric measure, if require inch measure, please contact us.

● 所有螺絲均為公制標準規格品，若需英制螺絲請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
MVCB	02	B	10	3A	20

1 VALVE SERIES 系列名稱

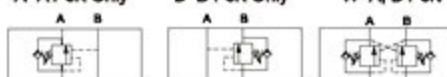
MVCB=Modular Overcentre Valve Pilot Assisted Relief With Check

2 SUBPLATE MOUNTING SIZE: 額定口徑

02 = 1/4" (6mm) 03 = 3/8" (9mm)
ISO CETOP3 ISO CETOP5
DIN NG 6 DIN NG 10
NFPA D03 NFPA D05

3 CONTROL PORT(S) 動作形式

A=A Port Only B=B Port Only W=A, B Port



4 ADJUSTMENT PRESSURE 壓力調整範圍

引導比例 (Pilot ratio)	編號 (Order)	壓力調整範圍 (Adjustment pressure)
3:1	10	30 ~ 105 (bar)
	28	70 ~ 280 (bar)
10:1	17	70 ~ 175 (bar)
	35	145 ~ 345 (bar)

5 PILOT RATIO 引導比例

3A : 3:1
10A : 10:1

6 DESIGN NO 設計編號

MODULAR OVERCENTRE VALVE PILOT ASSISTED RELIEF WITH CHECK

MVCB SERIES

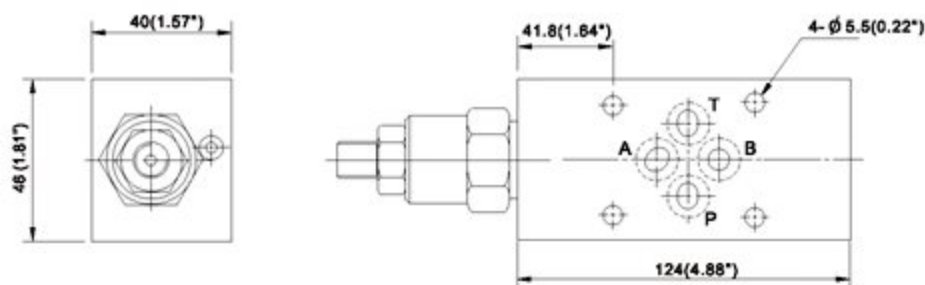
模塊引導式抗衡閥

◆ DIMENSIONS 外觀尺寸

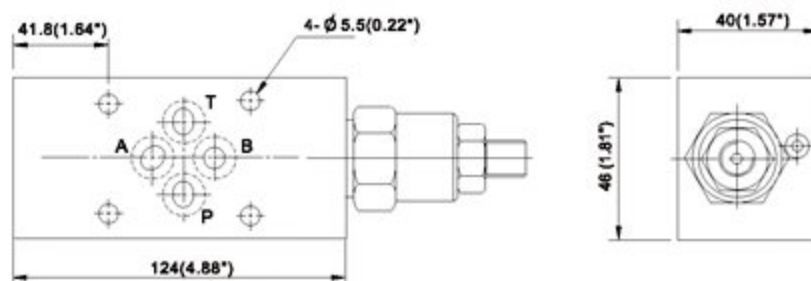
◆ Mounting Interface 基座尺寸

ISO 4401-AB-03-4-A

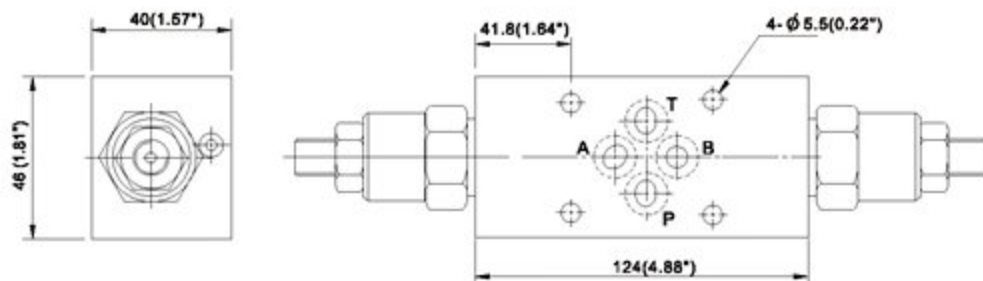
MVCB-02-A



MVCB-02-B



MVCB-02-W



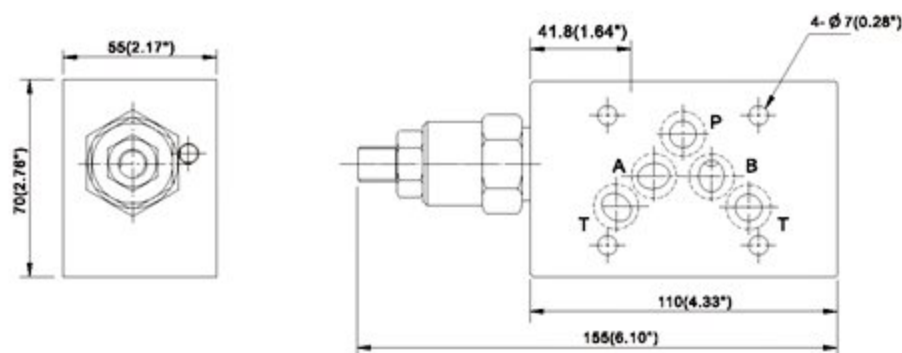
MODULAR OVERCENTRE VALVE PILOT ASSISTED RELIEF WITH CHECK

積層引導式抗衝閥

MVCB SERIES

DIMENSIONS 外型尺寸

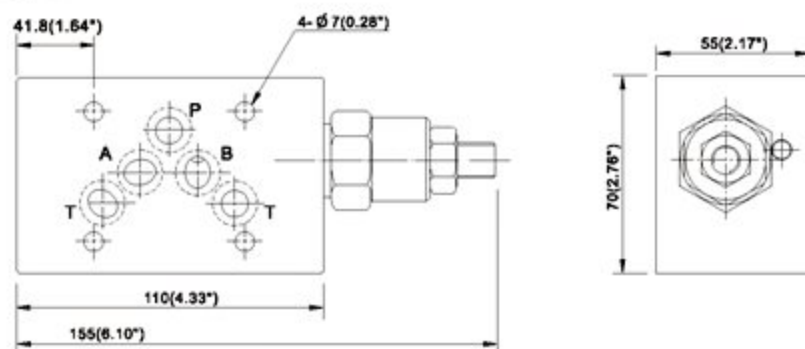
MVCB-03-A



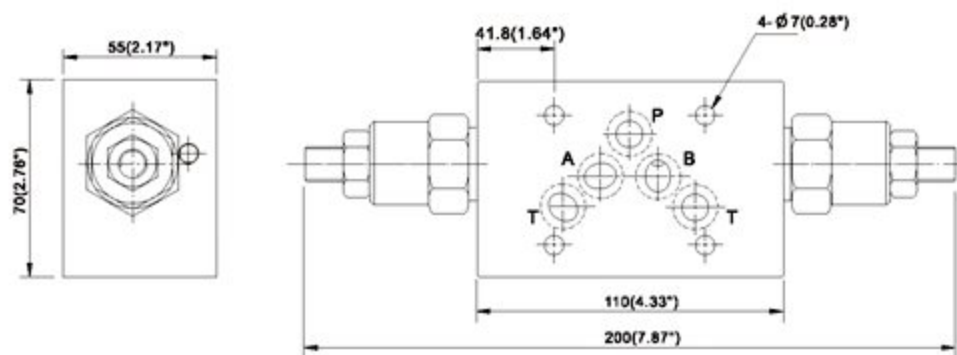
Mounting Interface 基座尺寸

ISO 4401-AC-05-4-A

MVCB-03-B



MVCB-03-W



B
MVCB