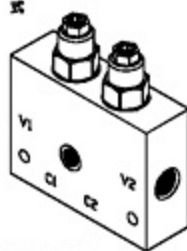


壓力控制閥 **PRESSURE CONTROL VALVES**

VCBE系列雙向平衡閥組裝帶剎車釋放滑閘 **VCBE SERIES DUAL COUNTERBALANCE VALVE ASSEMBLY WITH BRAKE RELEASE SHUTTLE**

◆ MODEL 型 式

VCBE-02



◆ DESCRIPTION 說明

When the motor is in a stationary, unpowered mode, this assembly will prevent excessive drift in either direction of rotation. It will also prevent motor over speed when exposed to an overrunning load, and will control motor deceleration to a stop.

A shuttle within the assembly provides a pilot to release a parking or holding brake as Either motor port is pressurized. Typical applications are swing drives, winch drives, and Vehicle propulsion circuits. If the shuttle is not required the "brake" port may be plugged. 當汽車停止,無動力模式時,這個安裝會預防任何一方的方向旋轉、漂移;當汽車暴露於超載時,速度過快並控制汽車減速至停止。

被動閥組裝提供剎車解除停車或保有剎車,任一汽車汽門感受到有壓力時,特別適用在搖擺車駕駛、絞盤車駕駛,車輛推進運路,若未配有被動閥,剎車口可能被阻塞。

◆ SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCBE-02	350 (5076 psi)	1.5:1 / 3:1 / 4.5:1 / 10:1	* ~ 350	60 (15.85 gpm)	2.2 (4.85 lbs)
Fluid Type 液體型式			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 運作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			ISO4406, 21/19/16 NAS1638,10		

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6	7
VCBE	02	10	A	1P	*	*

1 VALVE SERIES 系列名稱

VCBE= DUAL COUNTERBALANCE VALVE ASSEMBLY WITH BRAKE RELEASE SHUTTLE

雙向平衡閥組裝帶剎車釋放滑閘

2 SUBPLATE MOUNTING SIZE 板厚口徑

02

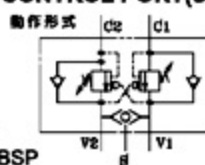
3 ADJUSTMENT PRESSURE 壓力調整範圍

Check Spring Pressure 1.8bar 止逆閥彈簧壓力 1.8bar			Check Spring Pressure 0.3bar 止逆閥彈簧壓力 0.3bar		
Order 編號	Adjustment pressure 壓力調整範圍	Pilot ratio 引導比例	Order 編號	Adjustment pressure 壓力調整範圍	Pilot ratio 引導比例
10	25 - 105 (bar)	1.5:1	25	25 - 105 (bar)	1.5:1
25	70 - 290 (bar)	3:1	70	70 - 290 (bar)	3:1
17	70 - 175 (bar)	10:1	80	70 - 175 (bar)	10:1
35	140 - 350 (bar)	4.5:1	14	140 - 350 (bar)	4.5:1

4 PORTS DIMENSIONS 接口尺寸

A: 3/8 B: 1/2

◆ CONTROL PORT(S) 動作形式



5 THREADED TYPE 螺紋規格

1P: PT 3G: PF(G) 5B: BSP
2N: NPT 4A: SAE

6 PILOT RATIO 引導比例

1.5A: 1.5:1 4A: 4.5:1
3A: 3:1 10A: 10:1

7 BODY MATERIAL 閥體材質

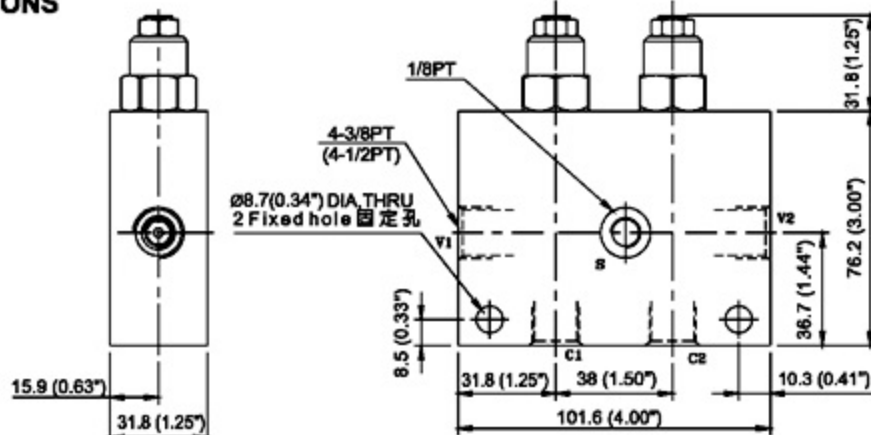
NONE (Standard): Aluminum-alloy
無 (標準): 鋁合金

D: Nodular Ductile-Iron 球墨鑄鐵

S: Steel 鋼

Body Material 閥體材質	Maximum Pressure 最大壓力 bar	Weight 重量 Kg
Aluminum (Standard) 鋁 (標準)	240 (3481 psi)	1.09 (2.40 lbs)
Nodular Ductile-Iron 球墨鑄鐵	350 (5076 psi)	2.2 (4.85 lbs)
Steel 鋼	350 (5076 psi)	2.2 (4.85 lbs)

◆ DIMENSIONS 外型尺寸圖

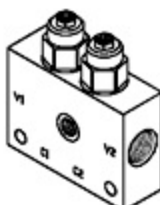


PRESSURE CONTROL VALVES 壓力控制閥

VCBE SERIES DUAL COUNTERBALANCE VALVE ASSEMBLY WITH BRAKE RELEASE SHUTTLE VCBE 系列雙平衡閥帶制動釋放梭動閥

◆ MODEL 型號

VCBE-03



◆ DESCRIPTION 說明

When the motor is in a stationary, unpowered mode, this assembly will prevent excessive drift in either direction of rotation. It will also prevent motor over speed when exposed to an overrunning load, and will control motor deceleration to a stop.

A shuttle within the assembly provides a pilot to release a parking or holding brake as Either motor port is pressurized. Typical applications are swing drives, winch drives, and Vehicle propulsion circuits. If the shuttle is not required the "bake" port may be plugged. 當汽車停止,無動力模式時,這個安裝會預防任何一方的方向旋轉、溜移;當汽車暴露於超載時,速度過快並控制汽車減速至停止。

梭動閥組裝提供駕駛解除停車或保有制動,任一汽車汽門感受到有壓力時,特別適用在搖擺車駕駛、絞盤車駕駛,車輛推進道路,若未配有梭動閥,制動口可能被阻塞。

◆ SPECIFICATIONS 規格

Model Number 型號	Maximum Pressure 最大壓力 bar	Pilot Ratio 引率比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCBE-03	350 (5076 psi)	1.5:1 / 3:1 / 4.5:1 / 10:1	* ~ 350	120 (31.70 gpm)	3 (6.61 lbs)
Fluid Type 液體類型			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染程度			ISO4406. 21/19/16 NAS1638,10		

◆ HOW TO ORDER 編號說明

1		2		3		4		5		6		7
VCBE		03	—	10	—	A	—	1P	—	*	—	*

1 VALVE SERIES 系列名稱

VCBE= DUAL COUNTERBALANCE VALVE ASSEMBLY WITH BRAKE RELEASE SHUTTLE

雙平衡閥帶制動釋放梭動閥

2 SUBPLATE MOUNTING SIZE 板厚口徑

03

3 ADJUSTMENT PRESSURE 壓力調整範圍

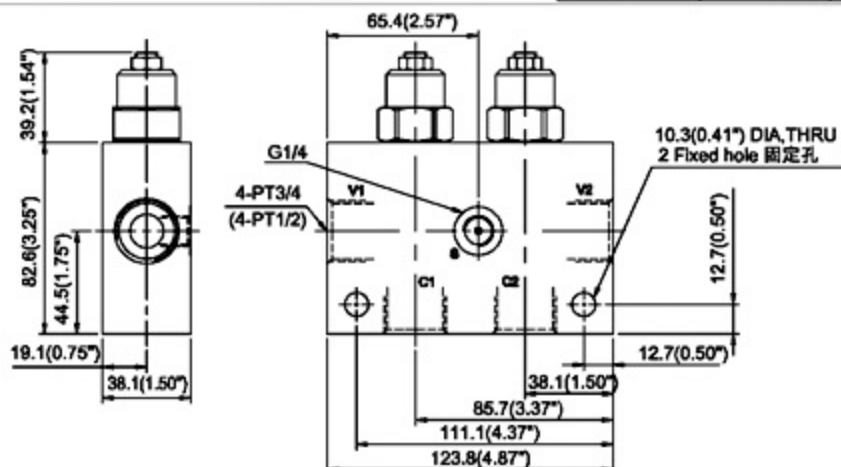
Check Spring Pressure 1.6bar 引率彈簧壓力 1.6bar			Check Spring Pressure 0.3bar 引率彈簧壓力 0.3bar		
Order 編號	Adjustment pressure 壓力調整範圍	Pilot ratio 引率比例	Order 編號	Adjustment pressure 壓力調整範圍	Pilot ratio 引率比例
10	25 ~ 105 (bar)	1.5:1	28	25 ~ 105 (bar)	1.5:1
28	70 ~ 280 (bar)	3:1	70	70 ~ 280 (bar)	3:1
17	70 ~ 175 (bar)	10:1	80	70 ~ 175 (bar)	10:1
35	140 ~ 350 (bar)	4.5:1	14	140 ~ 350 (bar)	4.5:1

4 PORTS DIMENSIONS 接口尺寸

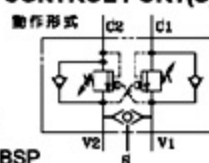
A: 3/4 B: 1/2

◆ DIMENSIONS 外型尺寸圖

外型尺寸圖



◆ CONTROL PORT(S) 動作形式



5 THREADED TYPE 螺紋規格

1P: PT 3G: PF(G) 5B: BSP
2N: NPT 4A: SAE

6 PILOT RATIO 引率比例

1.5A : 1.5:1 4A : 4.5:1
3A : 3:1 10A : 10:1

7 BODY MATERIAL 閥體材質

NONE (Standard): Aluminum-alloy
無 (標準): 鋁合金

D: Nodular Ductile-Iron 球墨鑄鐵

S: Steel 鋼

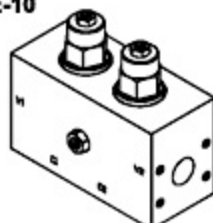
Body Material 閥體材質	Maximum Pressure 最大壓力 bar	Weight 重量 Kg
Aluminum (standard) 鋁 (標準)	240 (3481 psi)	1.7 (3.75 lbs)
Nodular Ductile-Iron 球墨鑄鐵	350 (5076 psi)	3.2 (7.05 lbs)
Steel 鋼	350 (5076 psi)	3.2 (7.05 lbs)

PRESSURE CONTROL VALVES 壓力控制閥

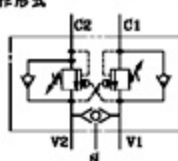
VCBE SERIES DUAL COUNTERBALANCE VALVE ASSEMBLY WITH BRAKE RELEASE SHUTTLE VCBE 系列雙平衡閥帶制動釋放梭動閥

◆ **MODEL 型號**

VCBE-10



◆ **CONTROL PORT(S) 動作形式**



◆ **DESCRIPTION 說明**

When the motor is in a stationary, unpowered mode, this assembly will prevent excessive drift in either direction of rotation. It will also prevent motor over speed when exposed to an overrunning load, and will control motor deceleration to a stop. A shuttle within the assembly provides a pilot to release a parking or holding brake as Either motor port is pressurized. Typical applications are swing drives, winch drives, and Vehicle propulsion circuits. If the shuttle is not required the "brake" port may be plugged.

當汽車靜止,無動力模式時,這個安裝會預防任何一方的方向旋轉、漂移;當汽車暴露於超載時,速度過快並控制汽車減速至停止。被動閥組提供駕駛解除停車或保有制動,任一汽車汽門感受到有壓力時,特別適用在搖擺車駕駛、絞盤車駕駛、車輛推進迴路,若未配有梭動閥,制動口可能被阻塞。

◆ **SPECIFICATIONS 規格**

Model Number 型號	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCBE-10	350 (5076 psi)	1.5:1 / 3:1 / 4.5:1 / 10:1	* - 350	480 (126.80 gpm)	20 (44.09 lbs)
Fluid Type 液體類型			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			ISO4406. 21/19/16 NAS1638,10		

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5	6	7
VCBE	10	10	A	1P	*	*

1 VALVE SERIES 系列名稱

VCBE= DUAL COUNTERBALANCE VALVE ASSEMBLY WITH BRAKE RELEASE SHUTTLE
雙平衡閥帶制動釋放梭動閥

2 SUBPLATE MOUNTING SIZE 安裝口徑

10

3 ADJUSTMENT PRESSURE 壓力調整範圍

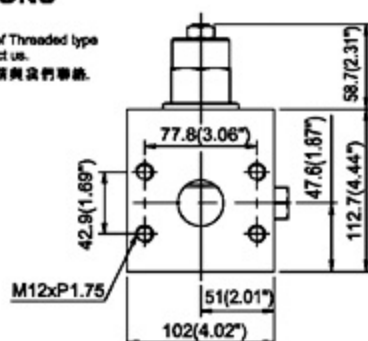
Check Spring Pressure 1.8bar 止逆閥彈簧壓力 1.8bar			Check Spring Pressure 0.3bar 止逆閥彈簧壓力 0.3bar		
Order 船號	Adjustment pressure 壓力調整範圍	Pilot ratio 引導比例	Order 船號	Adjustment pressure 壓力調整範圍	Pilot ratio 引導比例
10	25 ~ 105 (bar)	1.5:1	25	25 ~ 105 (bar)	1.5:1
38	70 ~ 280 (bar)	3:1	70	70 ~ 280 (bar)	3:1
17	70 ~ 175 (bar)	10:1	80	70 ~ 175 (bar)	10:1
36	140 ~ 320 (bar)	4.5:1	14	140 ~ 320 (bar)	4.5:1

4 PORTS DIMENSIONS 接口尺寸

A: 1 1/2" (Flange type port, Dimensions of flange please contact with us.)
(此為法蘭型接口,法蘭尺寸請與我們聯絡)
B: 1 1/4" (Threaded type only) (僅限螺紋型)

◆ **DIMENSIONS 外型尺寸圖**

Note: Dimensions of Threaded type Please contact us.
螺紋型尺寸請與我們聯絡。



5 PORTS CONNECTING TYPE 接口連接型式

-Flange type 法蘭型
NONE (Standard): Flange type 無(標準): 法蘭型
-Threaded type 螺紋型
1P: PT 3G: PF(G) 5B: BSP
2N: NPT 4A: SAE

6 PILOT RATIO 引導比例

1.5A: 1.5:1 4A: 4.5:1
3A: 3:1 10A: 10:1

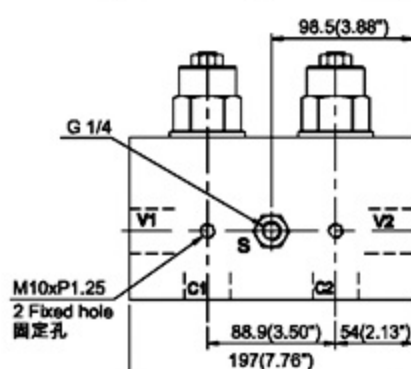
7 BODY MATERIAL 閥體材質

NONE (Standard): Aluminum-alloy
無(標準): 鋁合金
D: Nodular Ductile-Iron 球墨鑄鐵
S: Steel 鋼質



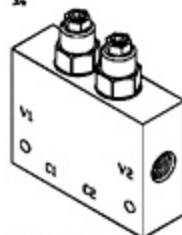
Body Material 閥體材質	Maximum Pressure 最大壓力 bar	Weight 重量 Kg	
		Flange type 法蘭型	Threaded type 螺紋型
Aluminum (standard) 鋁(標準)	240 (3481 psi)	10 (22.05 lbs)	9 (19.84 lbs)
Nodular Ductile-Iron 球墨鑄鐵	350 (5076 psi)	20 (44.09 lbs)	18 (39.27 lbs)
Steel 鋼	350 (5076 psi)	20 (44.09 lbs)	18 (39.27 lbs)

FLANGE TYPE 法蘭型



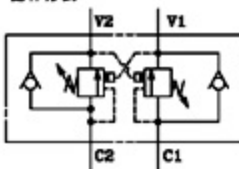
◆ **MODEL 型 式**

VCBL-02



◆ **CONTROL PORT(S)**

動作形式



Body Material 閥體材質	Maximum Pressure 最大壓力 bar	Weight 重量 Kg
Aluminum (standard) 鋁 (標準)	240 (3481 psi)	1.09 (2.40 lbs)
Nodular Ductile-Iron 球墨鑄鐵	350 (5076 psi)	2.2 (4.85 lbs)
Steel 鋼	350 (5076 psi)	2.2 (4.85 lbs)

◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCBL-02	350 (5076 psi)	1.5:1 / 3:1 / 4.5:1 / 10:1	* ~ 350	60 (15.85 gpm)	2.2 (4.85 lbs)
Fluid Type 液體型式			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染程度			ISO4406, 21/19/16 NAS1638,10		

◆ **HOW TO ORDER 規格說明**

1	2	3	4	5	6	7
VCBL	02	—	10	—	A	—
						1P — * — *

1 **VALVE SERIES 系列名稱**

VCBL= COUNTER BALANCE VALVES
平衡閥

2 **SUBPLATE MOUNTING SIZE 補板口徑**

02

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

Check Spring Pressure 1.8bar 止逆閥彈簧壓力 1.8bar		
Order 編號	Adjustment pressure 壓力調整範圍	Pilot ratio 引導比例
10	25 ~ 105 (bar)	1.5:1
25	70 ~ 280 (bar)	3:1
17	70 ~ 175 (bar)	10:1
35	140 ~ 350 (bar)	4.5:1

Check Spring Pressure 0.3bar 止逆閥彈簧壓力 0.3bar		
Order 編號	Adjustment pressure 壓力調整範圍	Pilot ratio 引導比例
25	25 ~ 105 (bar)	1.5:1
70	70 ~ 280 (bar)	3:1
80	70 ~ 175 (bar)	10:1
14	140 ~ 350 (bar)	4.5:1

4 **PORTS DIMENSIONS 接口尺寸**

A: 3/8 B: 1/2

5 **THREADED TYPE 螺紋規格**

1P: PT 3G: PF(G) 5B: BSP
2N: NPT 4A: SAE

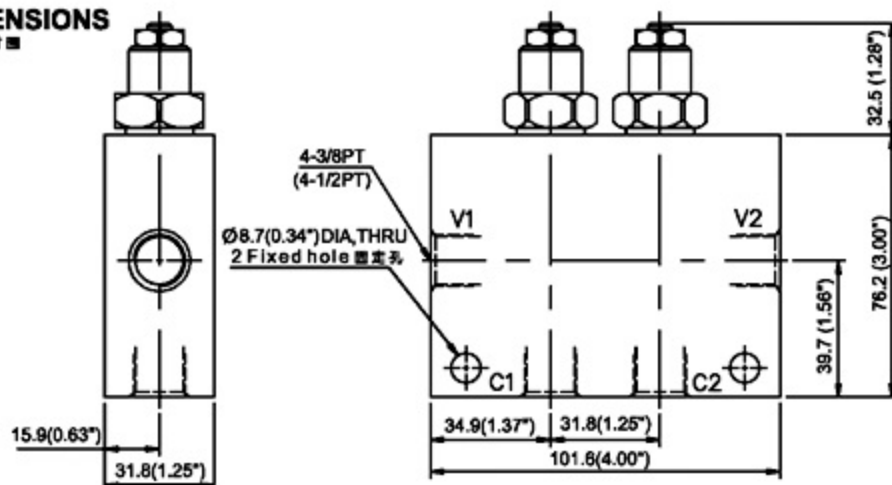
6 **PILOT RATIO 引導比例**

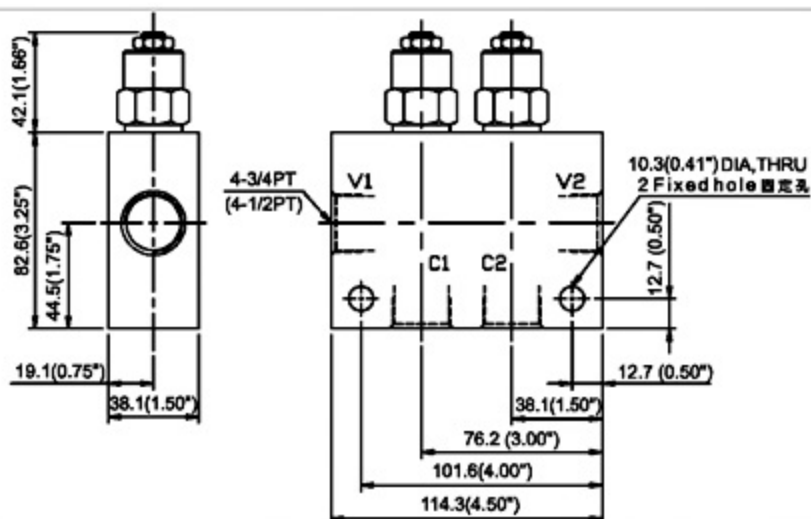
1.5A: 1.5:1 4A: 4.5:1
3A: 3:1 10A: 10:1

7 **BODY MATERIAL 閥體材質**

NONE (Standard): Aluminum-alloy
無 (標準): 鋁合金
D: Nodular Ductile-Iron 球墨鑄鐵
S: Steel 鋼

◆ **DIMENSIONS 外型尺寸圖**





VCBL 系列插入式抗振型 VCBL SERIES CARTRIDGE TYPE COUNTER BALANCE VALVES

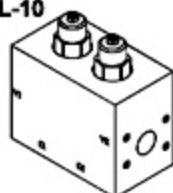


PRESSURE CONTROL VALVES 壓力控制閥

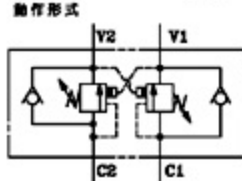
VCBL SERIES CARTRIDGE TYPE COUNTER BALANCE VALVES VCBL 系列插入式抗壓閥

◆ MODEL 型 式

VCBL-10



◆ CONTROL PORT(S) 動作形式



Body Material 閥體材質	Maximum Pressure 最大壓力 bar	Weight 重量 Kg	
		Flange type 法蘭型	Threaded type 螺紋型
Aluminum (standard) 鋁 (標準)	240 (3481 psi)	10 (22.05 lbs)	9 (19.84 lbs)
Nodular Ductile-Iron 球墨鑄鐵	350 (5076 psi)	20 (44.09 lbs)	16 (35.27 lbs)
Steel 鋼	350 (5076 psi)	20 (44.09 lbs)	16 (35.27 lbs)

◆ SPECIFICATIONS 規格

Model Number 型號	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCBL-10	350 (5076 psi)	1.5:1 / 3:1 / 4.5:1 / 10:1	* ~ 350	480 (126.80 gpm)	20 (44.09 lbs)
Fluid Type 液體類型			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			ISO4406, 21/19/16 NAS1638,10		

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6	7
VCBL	10	—	10	—	A	—
					*	—
					*	—
						D

1 VALVE SERIES 系列名稱

VCBL= COUNTER BALANCE VALVES

抗壓閥

2 SUBPLATE MOUNTING SIZE 板穿口徑

10

3 ADJUSTMENT PRESSURE 壓力調整範圍

Check Spring Pressure 1.8bar 止逆閥彈簧壓力 1.8bar			Check Spring Pressure 0.3bar 止逆閥彈簧壓力 0.3bar		
Order 編號	Adjustment pressure 壓力調整範圍	Pilot ratio 引導比例	Order 編號	Adjustment pressure 壓力調整範圍	Pilot ratio 引導比例
10	25 ~ 105 (bar)	1.5:1	25	25 ~ 105 (bar)	1.5:1
28	70 ~ 280 (bar)	3:1	70	70 ~ 280 (bar)	3:1
17	70 ~ 175 (bar)	10:1	80	70 ~ 175 (bar)	10:1
35	140 ~ 350 (bar)	4.5:1	14	140 ~ 350 (bar)	4.5:1

4 PORTS DIMENSIONS 接口尺寸

A: 1 1/2" (Flange type port, Dimensions of flange please contact with us.)
(此為法蘭型接口, 法蘭尺寸請與我們聯絡)

B: 1 1/4" (Threaded type only) (僅限螺紋型)

5 PORTS CONNECTING TYPE 接口連接型式

- Flange type 法蘭型
NONE (Standard): Flange type 無 (標準): 法蘭型

- Threaded type 螺紋型
1P: PT 3G: PF(G) 5B: BSP
2N: NPT 4A: SAE

6 PILOT RATIO 引導比例

1.5A: 1.5:1 4A: 4.5:1
3A: 3:1 10A: 10:1

7 BODY MATERIAL 閥體材質

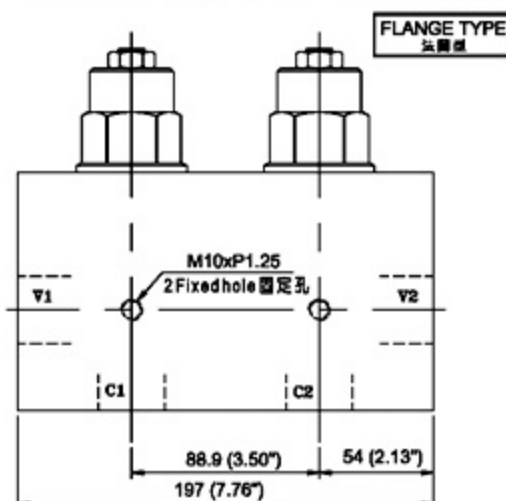
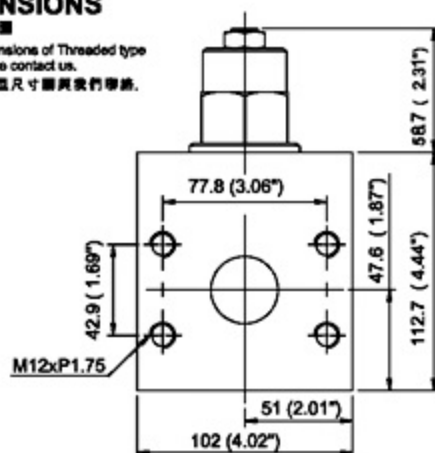
NONE (Standard): Aluminum-alloy
無 (標準): 鋁合金

D: Nodular Ductile-Iron 球墨鑄鐵

S: Steel 鋼

◆ DIMENSIONS 外型尺寸圖

Note: Dimensions of Threaded type
Please contact us.
螺紋型尺寸請與我們聯絡。

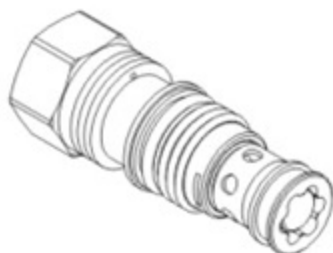


PRESSURE CONTROL VALVES 壓力控制閥

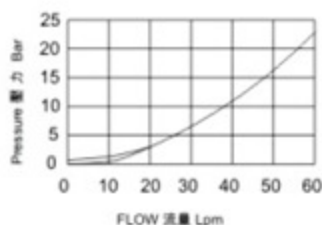
VCBO SERIES CARTRIDGE TYPE COUNTER BALANCE VALVES VCBO系列插入式抗衝閥

◆ **MODEL** 型 式

VCBO-02



◆ **PERFORMANCE**(Cartridge Only) 特性曲線



◆ **SPECIFICATIONS** 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VCBO-02	350 (5076 psi)	3:1 / 10:1	* ~345	60 (15.85 gpm)	0.14 (0.30 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		

◆ **HOW TO ORDER** 編號說明

1	2	3	4
VCBO	02	— 26 —	10A

1 VALVE SERIES 系列名稱

VCBO = CARTRIDGE TYPE COUNTER BALANCE VALVES
插入式抗衝閥

2 PORTING 端口

02 :T-11A

Cavity 孔口: CST-11A

See Page Appendixes-A_006

見附錄A_006 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

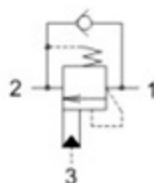
Pilot ratio 引導比例	Order 編號	Adjustment pressure 壓力調整範圍
3:1	18	155 ~ 185 (bar)
	24	200 ~ 240 (bar)
	16	φ ~ 160 (bar)
10:1	26	220 ~ 260 (bar)
	29	245 ~ 290 (bar)
	34	285 ~ 340 (bar)
	39	325 ~ 390 (bar)

4 PILOT RATIO 引導比例

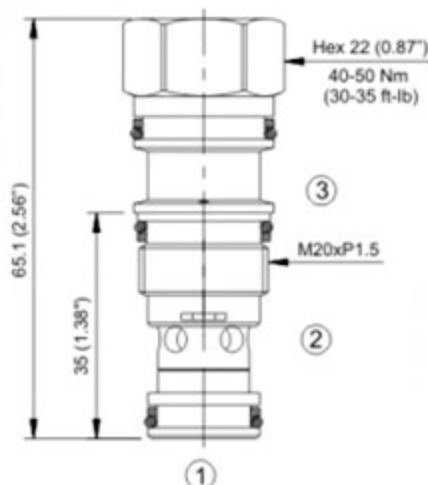
3A : 3:1

10A : 10:1

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖

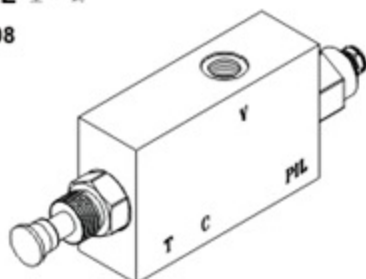


COMPOUND VALVES 複合閥

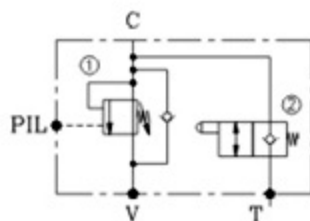
VCBV SERIES COMPOUND VALVES VCBV 系列複合閥

◆ MODEL 型 式

VCBV-08



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VCBV-08	345(5000 psi)	3:1 / 10:1	* ~345	30 (7.93gpm)	2.5 (5.51 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			$\beta_{10} \geq 75$, Under NAS Class 12, 25 μ		

◆ HOW TO ORDER 編號說明

1 2 3 4
VCBV — 08 — 35 — 3A

1 VALVE SERIES 系列名稱

VCBV=COMPOUND VALVES
複合閥

3 ADJUSTMENT PRESSURE 壓力調整範圍

10 : 30 ~ 105 (bar) 17 : 70 ~ 175 (bar)
28 : 70 ~ 280 (bar) 35 : 145 ~ 345 (bar)

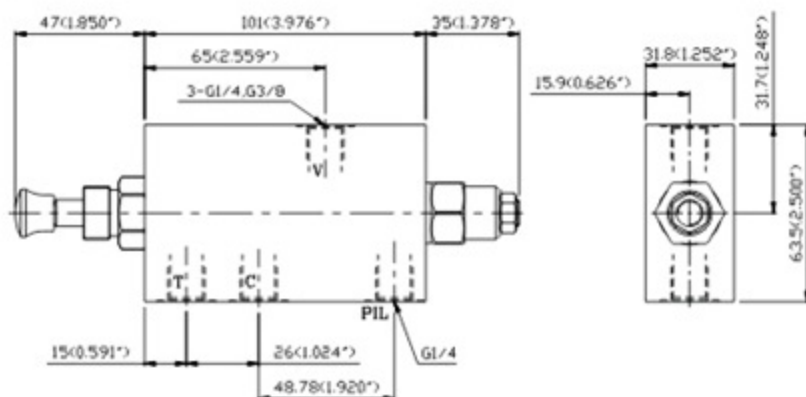
2 SUBPLATE MOUNTING SIZE 稱呼口徑

Size : 08

4 PILOT RATIO 引導比例

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

◆ DIMENSIONS 外型尺寸圖



壓力控制閥 **PRESSURE CONTROL VALVES**

VCQ 系列插入式平衡閥 **VCQ SERIES CARTRIDGE TYPE COUNTER BALANCE VALVES**

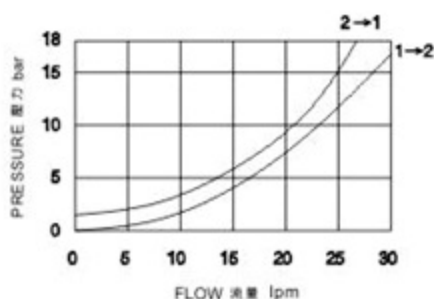
◆ MODEL 型 式

VCQ-08



◆ PERFORMANCE (Cartridge Only)

特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型 式 號	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCQ-08	350 (5076 psi)	4:1	* ~ 350	30 (7.93 gpm)	0.19 (0.42 lbs)
Fluid Type 液體型式			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			ISO4406. 21/19/16 NAS1638,10		

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VCQ	08	—	20	— * — 4A

1 VALVE SERIES 系列名稱

VCQ = Cartridge Type Counter Balance Valves
插入式平衡閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

Size: 08
Cavity 孔口: CS08-3S
See Page Appendixes-A_003
見附錄A_003 頁碼

3 ADJUSTMENT PRESSURE 壓力調整範圍

Pilot ratio 引導比例	Order 編號	Adjustment pressure 壓力調整範圍
4:1	20	100 ~ 210 (bar)
	36	200 ~ 350 (bar)

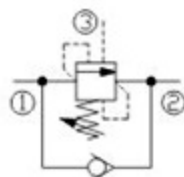
4 ADJUSTMENT OPTION 調整選擇

NONE: TOOL ADJUST 無: 工具調整式

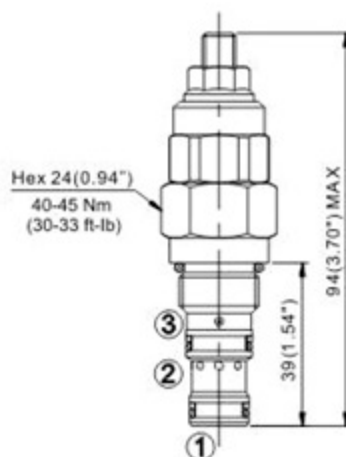
5 PILOT RATIO 引導比例

4A: 4:1

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



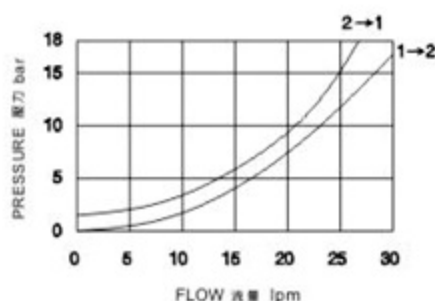
PRESSURE CONTROL VALVES 壓力控制閥

VCQ SERIES CARTRIDGE TYPE COUNTER BALANCE VALVES vcq 系列插入式抗衝閥

◆ MODEL 型 式 VCQ-08N



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCQ-08N	350 (5076 psi)	4:1	* ~ 350	30 (7.93 gpm)	0.19 (0.42 lbs)
Fluid Type 液體型式			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			ISO4406: 21/19/16 NAS1638,10		

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VCQ	08N	— 20 —	* —	4A

1 VALVE SERIES 系列名稱

VCQ = Cartridge Type Counter Balance Valves
插入式抗衝閥

2 SUBPLATE MOUNTING SIZE 輔牌口徑

Size: 08
Cavity 孔口: CS08-3N
See Page Appendixes-A_002
見附錄A_002 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

Pilot ratio 引導比例	Order 編號	Adjustment pressure 壓力調整範圍
4:1	20	100 ~ 210 (bar)
	35	200 ~ 350 (bar)

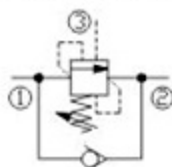
4 ADJUSTMENT OPTION 調整選擇

NONE: TOOL ADJUST 無: 工具調整式

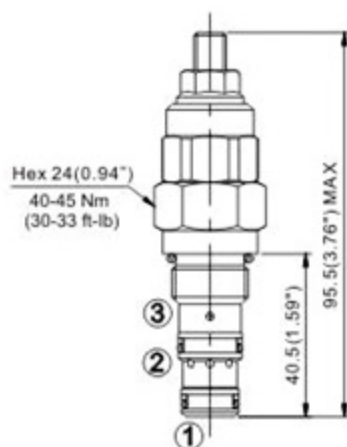
5 PILOT RATIO 引導比例

4A: 4:1

◆ CONTROL PORT(S) 動作形式

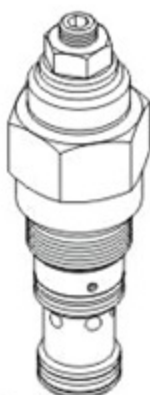
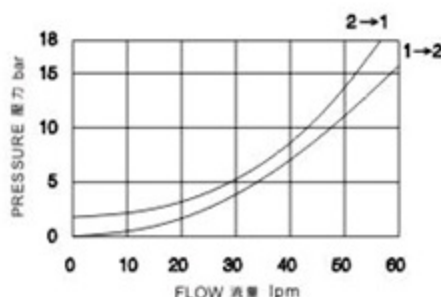


◆ DIMENSIONS 外型尺寸圖



◆ **MODEL** 型 式

VCQ-10

◆ **PERFORMANCE**(Cartridge Only)
特性曲線◆ **SPECIFICATIONS** 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCQ-10	350 (5076 psi)	8:1 / 3:1	* ~ 350	60 (15.85 gpm)	0.22 (0.49 lbs)
Fluid Type 液體型式			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			ISO4406. 21/19/16 NAS1638,10		

◆ **HOW TO ORDER** 編號說明

1	2	3	4	5
VCQ	10	35	*	8A

1 **VALVE SERIES** 系列名稱

VCQ = Cartridge Type Counter Balance Valves
插入式平衡閥

2 **SUBPLATE MOUNTING SIZE** 稱呼口徑

Size: 10
Cavity 孔口: CS10-3S
See Page Appendixes-A_003
見附錄A_003 頁碼

3 **ADJUSTMENT PRESSURE** 壓力調整範圍

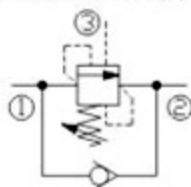
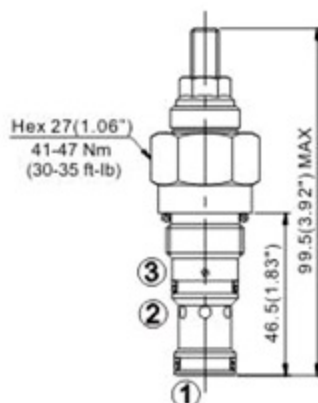
Pilot ratio 引導比例	Order 編號	Adjustment pressure 壓力調整範圍
3:1	20	70 ~ 210 (bar)
	35	140 ~ 350 (bar)
8:1	20	70 ~ 210 (bar)
	35	140 ~ 350 (bar)

4 **ADJUSTMENT OPTION** 調整選擇

NONE: TOOL ADJUST 無：工具調整式

5 **PILOT RATIO** 引導比例

3A: 3:1
8A: 8:1

◆ **CONTROL PORT(S)** 動作形式◆ **DIMENSIONS** 外型尺寸圖

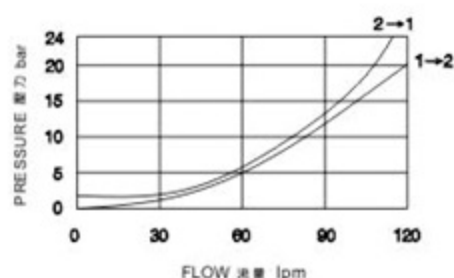
PRESSURE CONTROL VALVES 壓力控制閥

VCQ SERIES CARTRIDGE TYPE COUNTER BALANCE VALVES VCQ 系列插入式抗衡閥

◆ **MODEL 型 式** VCQ-12



◆ **PERFORMANCE (Cartridge Only)** 特性曲線



◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCQ-12	350 (5076 psi)	8:1 / 4:1	* ~ 350	120 (31.70 gpm)	0.38 (0.84 lbs)
Fluid Type 液體型式			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			ISO4406, 21/19/16 NAS1638,10		

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VCQ	12	35	*	8A

1 VALVE SERIES 系列名稱

VCQ = Cartridge Type Counter Balance Valves
插入式抗衡閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

Size: 12
Cavity 孔口 CS12-3S
See Page Appendixes-A_003
請參閱A_003 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

Pilot ratio 引導比例	Order 編號	Adjustment pressure 壓力調整範圍
4:1	20	70 ~ 210 (bar)
	35	140 ~ 350 (bar)
8:1	20	70 ~ 210 (bar)
	35	140 ~ 350 (bar)

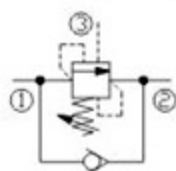
4 ADJUSTMENT OPTION 調整選擇

NONE: TOOL ADJUST 無：工具調整式

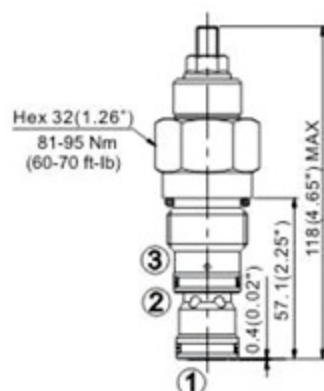
5 PILOT RATIO 引導比例

4A: 4:1
8A: 8:1

◆ **CONTROL PORT(S) 動作形式**



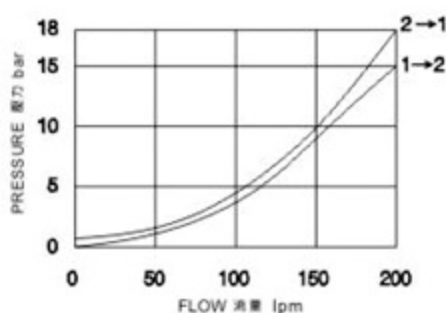
◆ **DIMENSIONS 外型尺寸圖**



◆ **MODEL 型 式**
VCQ-16



◆ **PERFORMANCE (Cartridge Only)**
特性曲線



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCQ-16	420 (6092 psi)	8:1 / 4:1	* ~ 420	200 (52.83 gpm)	0.6 (1.32 lbs)
Fluid Type 液體型式			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			ISO4406. 21/19/16 NAS1638,10		

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VCQ	16	— 40 —	* —	8A

1 **VALVE SERIES 系列名稱**

VCQ = Cartridge Type Counter Balance Valves
插入式平衡閥

2 **SUBPLATE MOUNTING SIZE 插板口徑**

Size: 16
Cavity 孔口: CS16-3S
See Page Appendixes-A_003
見附錄A_003 頁碼

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

Pilot ratio 引導比例	Order 編號	Adjustment pressure 壓力調整範圍
4:1	20	70 ~ 210 (bar)
	36	140 ~ 350 (bar)
8:1	40	140 ~ 420 (bar)

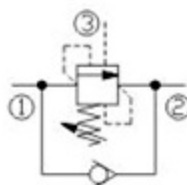
4 **ADJUSTMENT OPTION 調整選擇**

NONE: TOOL ADJUST 無：工具調整式

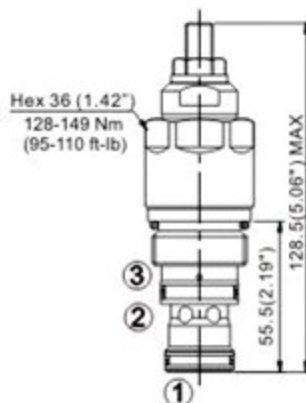
5 **PILOT RATIO 引導比例**

4A: 4:1
8A: 8:1

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



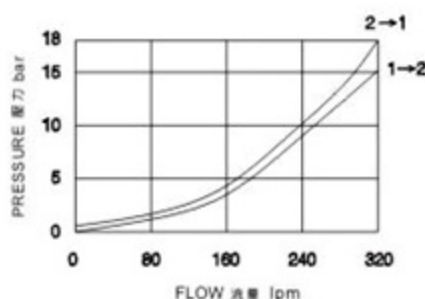
PRESSURE CONTROL VALVES 壓力控制閥

VCQ SERIES CARTRIDGE TYPE COUNTER BALANCE VALVES vcq 系列插入式抗衡閥

◆ MODEL 型 式 VCQ-20



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重 量 Kg
VCQ-20	420 (6092 psi)	4:1 / 8:1	* ~ 420	320 (84.54 gpm)	0.87 (1.92 lbs)
Fluid Type 液體型式			ISO VG 32,46,68		
Viscosity 黏性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			ISO4406, 21/19/16 NAS1638,10		

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VCQ	20	— 35 —	* —	4A

1 VALVE SERIES 系列名稱

VCQ = Cartridge Type Counter Balance Valves
插入式抗衡閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

Size: 20
Cavity 孔口 CS20-3S
See Page Appendixes-A_003
見附錄A_003 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

Pilot ratio 引導比例	Order 編號	Adjustment pressure 壓力調整範圍
4:1	20	70 ~ 210 (bar)
	35	140 ~ 350 (bar)
8:1	40	140 ~ 420 (bar)

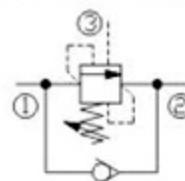
4 ADJUSTMENT OPTION 調整選擇

NONE: TOOL ADJUST 無, 工具調整式

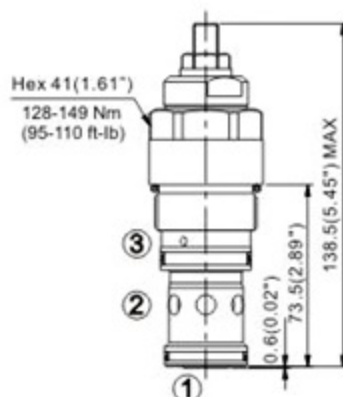
5 PILOT RATIO 引導比例

4A: 4:1
8A: 8:1

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

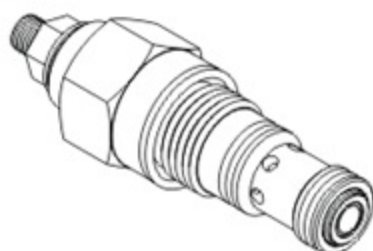


PRESSURE CONTROL VALVES 壓力控制閥

VCQP SERIES CARTRIDGE TYPE COUNTER BALANCE VALVES VCQP系列插入式平衡閥

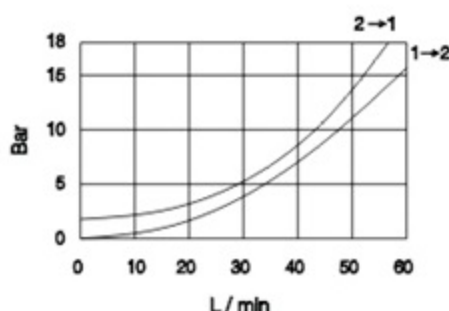
◆ **MODEL** 型 式

VCQP-10



◆ **PERFORMANCE**(Cartridge Only)

特性曲線



◆ **SPECIFICATIONS** 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Pilot Ratio 引導比例	Adjustment Pressure 壓力調整範圍 bar	Maximum Flow 最大流量 Lpm	Weight 重 量 Kg
VCQP-10	350 (5000 psi)	3:1	* ~ 350	60 (16 gpm)	0.22 (0.49 lbs)
Fluid Type 液體型式			ISO VG 32,46,68		
Viscosity 黏 性 cSt			10~400 (59~1854SSU)		
Operating Temperature 操作溫度 °C			-15~70 (-5~158°F)		
Contamination Level 污染標準			β ₁₀ ≥ 75, Under NAS Class 12,25μ		

◆ **HOW TO ORDER** 編號說明

1	2	3	4	5
VCQP	10	—	35	— * — 3A

1 VALVE SERIES 系列名稱

VCQP= Cartridge Type Counter Balance Valves
插入式平衡閥

2 SUBPLATE MOUNTING SIZE 插接口徑

Size:10
Cavity 孔口 CS10-3S
See Cavities Dimensions Page
見孔口尺寸頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

編號 (Order)	壓力調整範圍 (Adjustment pressure)
20	70 ~ 210 (bar)
35	140 ~ 350 (bar)

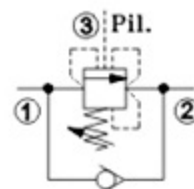
4 ADJUSTMENT OPTION 調整選擇

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

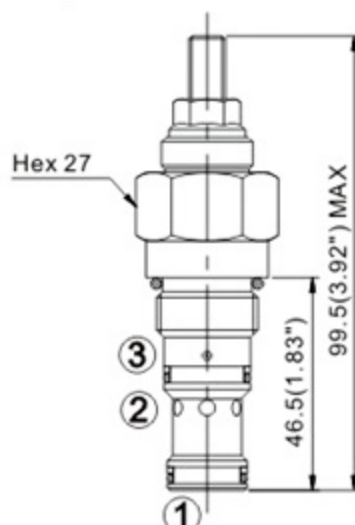
5 PILOT RATIO 引導比例

3A: 3:1

◆ **CONTROL PORT(S)** 動作形式

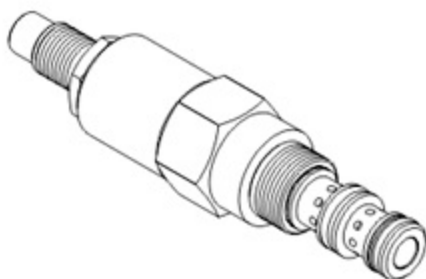


◆ **DIMENSIONS** 外型尺寸圖



◆ **MODEL 型 式**

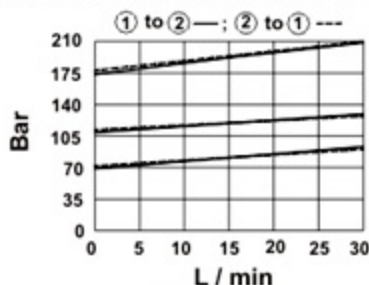
VCR-08



◆ **DESCRIPTION 說明**

Direct-acting, bi-directional relief valve, intended for use as a pressure limiting device in demanding hydraulic circuits.
直動型・雙向溢流閥，作為壓力限制裝置用於液壓回路

◆ **PERFORMANCE (Cartridge Only) 特性曲線**



◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCR-08	210 (3046 psi)	30(7.93 gpm)	0.3 (0.66 lbs)
Fluid Type 液體型式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VCR	08	*	*	*

1 **VALVE SERIES 系列名稱**

VCR=CARTRIDGE TYPE DOUBLE DIRECTIONAL RELIEF VALVES
插入式雙向調壓閥

2 **SUBPLATE MOUNTING SIZE 稱呼口徑**

Size:08
Cavity 孔口: CS08-3N
See Page Appendixes-A_002
見附錄A_002 頁面

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

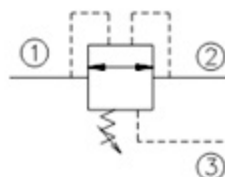
Order 編號	Adjustment pressure 壓力調整範圍
20	70 ~ 205 (bar)

4 **ADJUSTMENT OPTION 調整選擇**

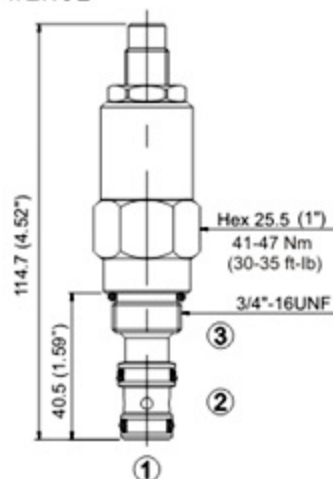
NONE	NONE:TOOL ADJUST 無，工具調整式	
K	K:HAND-BAR ADJUST K，手把調整式	

5 **DESIGN NO 設計編號**

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



壓力控制閥 **PRESSURE CONTROL VALVES**

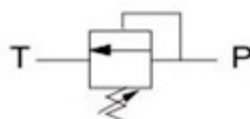
VDR 系列插入式調壓閥 **VDR SERIES CARTRIDGE TYPE RELIEF VALVES**

◆ MODEL 型 式

VDR-02



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VDR-02	320 (4641 psi)	30 (7.93 gpm)	0.8 (1.76 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	

◆ HOW TO ORDER 編號說明

1	2	3	4
VDR	02	M	10

1 VALVE SERIES 系列名稱

VDR= CARTRIDGE TYPE RELIEF VALVES
插入式調壓閥

2 SUBPLATE MOUNTING SIZE 板面口徑

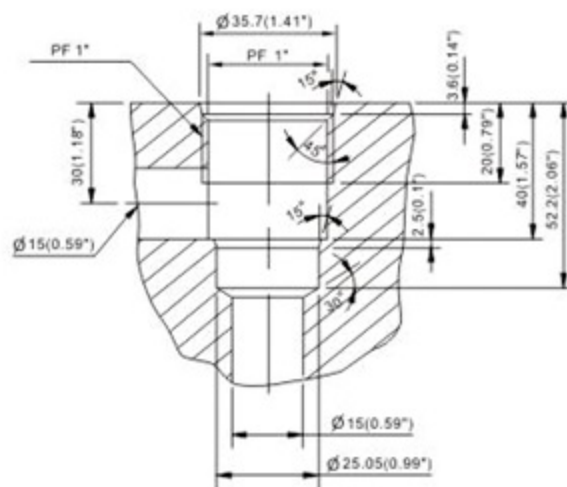
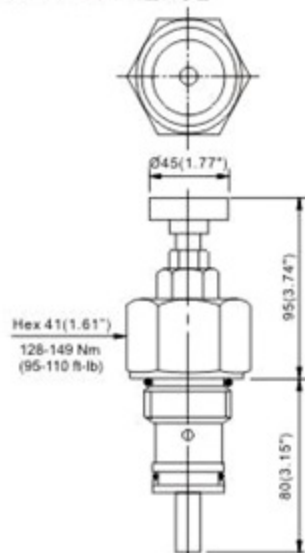
02(1/4)

3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
M	☆ ~ 140 (bar)
H	☆ ~ 320 (bar)

4 DESIGN NO 設計編號

◆ DIMENSIONS 外型尺寸圖



PRESSURE CONTROL VALVES 壓力控制閥

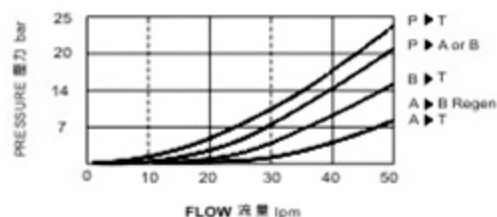
VDS SERIES CARTRIDGE PILOT OPERATED VALVES VDS 系列插入式引導式方向閥

◆ **MODEL** 型 式

VDS-02



◆ **PERFORMANCE** 特性曲線



◆ **SPECIFICATIONS** 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VDS-02	350 (5076 psi)	40 (84.54 gpm)	0.27 (0.59 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	

◆ **HOW TO ORDER** 編號說明

1	2	3
VDS	02	C2

1 VALVE SERIES 系列名稱

VDS = CARTRIDGE PILOT OPERATED VALVE
插入式引導式方向閥

2 SUBPLATE MOUNTING SIZE 插板口徑

Size : T-61A
Cavity 孔口: CST-61A
See Cavities Dimensions Page
見孔口尺寸頁面

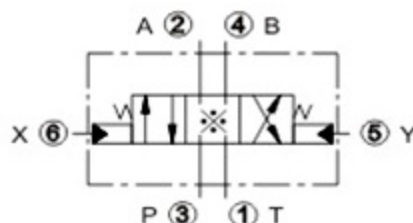
3 SPOOL CONFIGURATION CAPACITY (Lpm)

轉型式流量

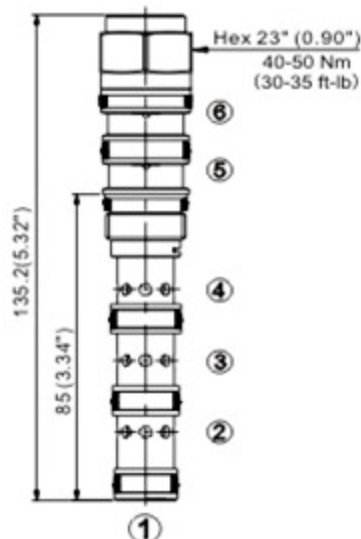
	02
C2	45
C6	40
C3	40
C4	40
C10	40
C12	40

Typical switching pilot pressure differential between pilot ports 5 and 6 is 13.79 bar.
做切換時油口5和6的壓力差為13.79bar

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖



PRESSURE CONTROL VALVES 壓力控制閥

VDS SERIES CARTRIDGE PILOT OPERATED VALVES VDS 系列插入式引導式力控閥

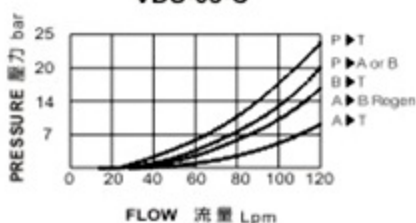
◆ MODEL 型 式

VDS-03

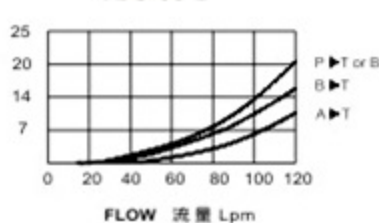


◆ PERFORMANCE 特性曲線

VDS-03-C



VDS-03-D



◆ SPECIFICATIONS 規 格

Model Number 型號號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VDS-03	350 (5076 psi)	80 (21.13 gpm)	0.45(0.99 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	

◆ HOW TO ORDER 編號說明

1	2	3
VDS	03	C2

1 VALVE SERIES 系列名稱

VDS = CARTRIDGE PILOT OPERATED VALVE
插入式引導式力控閥

2 SUBPLATE MOUNTING SIZE 轉接口徑

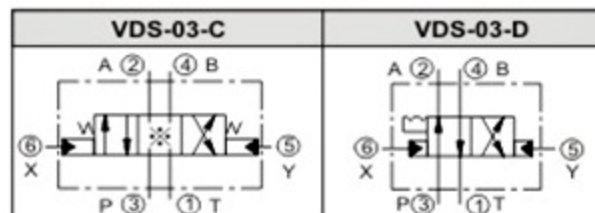
03: T-62A
Cavity 孔口: CST-62A
See Cavities Dimensions Page
見孔口尺寸頁

3 SPOOL CONFIGURATION CAPACITY (Lpm) 轉型式流量

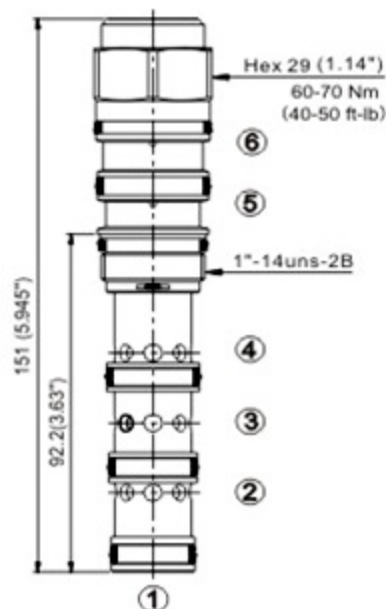
C	D	03
C2	D2	80
C6	-	80
C3	D3	40
C4	-	80
C10	-	80
C12	-	80

Typical switching pilot pressure differential between pilot ports 5 and 6 is 13.79 bar.
導引換油口5和6的壓力差為13.79bar

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

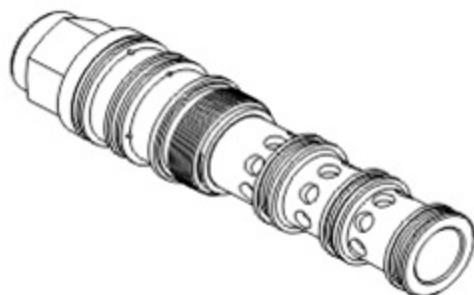


PRESSURE CONTROL VALVES 壓力控制閥

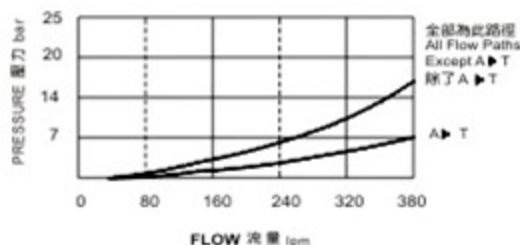
VDS SERIES CARTRIDGE PILOT OPERATED VALVES VDS 系列插入式引導式方向閥

◆ MODEL 型 式

VDS-10



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VDS-10	350 (5076 psi)	320 (84.54 gpm)	2 (4.4 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	

◆ HOW TO ORDER 編號說明

1	2	3
VDS	10	C2

1 VALVE SERIES 系列名稱

VDS = CARTRIDGE PILOT OPERATED VALVE
插入式引導式方向閥

2 SUBPLATE MOUNTING SIZE 插板口徑

Size: T-64A
Cavity 孔口: CST-64A
See Cavities Dimensions Page
見孔口尺寸頁面

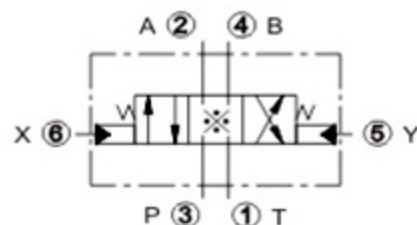
3 SPOOL CONFIGURATION CAPACITY (Lpm)

軸型式流量

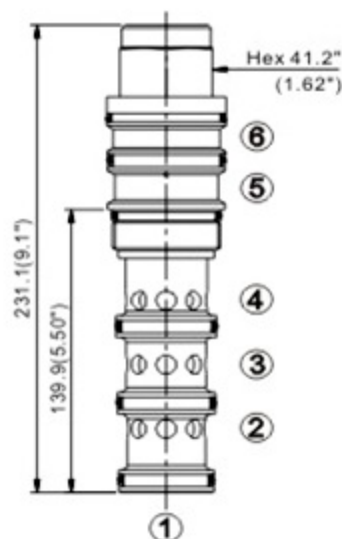
	10
C2	756
C6	378
C3	378
C4	756
C10	567
C12	567

Typical switching pilot pressure differential between pilot ports 5 and 6 is 13.79 bar.
數切換時油口5和6的壓力差為13.79bar

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

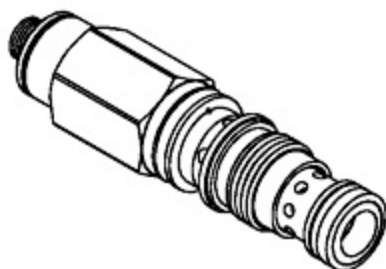


PRESSURE CONTROL VALVES 壓力控制閥

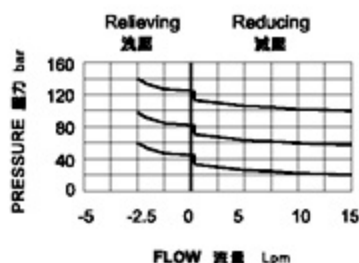
VGB SERIES CARTRIDGE TYPE DIRECT ACTING BALANCE VALVES (REDUCING/RELIEVING VALVES) VGB 系列插入式直接動平衡閥(減壓/溢流閥)

◆ **MODEL 型 式**

VGB-02



◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VGB-02	350 (5076 psi)	30 (7.93 gpm)	0.22(0.49 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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VGB	02	— 21	— *	— 20

1 VALVE SERIES 系列名稱

VGB = CARTRIDGE TYPE DIRECT ACTING BALANCE VALVES
(REDUCING/RELIEVING VALVES)
插入式直接動平衡閥(減壓/溢流閥)

2 SUBPLATE MOUNTING SIZE 接口口徑

02 : T-11A
Cavity 孔口 : CST-11A
See Page Appendixes-A_006
見附錄A_006 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

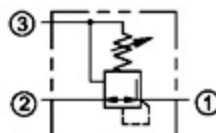
Order 編號	Adjustment pressure 壓力調整範圍
02	1.5 ~ 25 (bar)
05	1.5 ~ 55 (bar)
10	3.5 ~ 105 (bar)
21	35 ~ 210 (bar)
30	50 ~ 315 (bar)

4 ADJUSTMENT OPTION 調整選擇

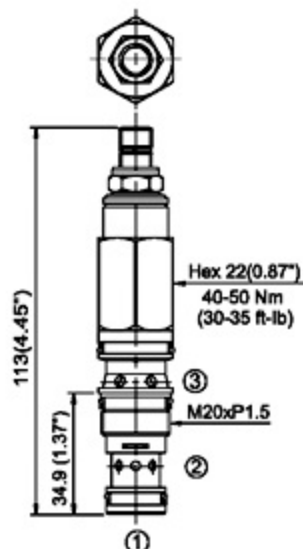
NONE	NONE: TOOL ADJUST 無工具調整式	
K	K: HAND-BAR ADJUST K: 手把調整式	

5 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**

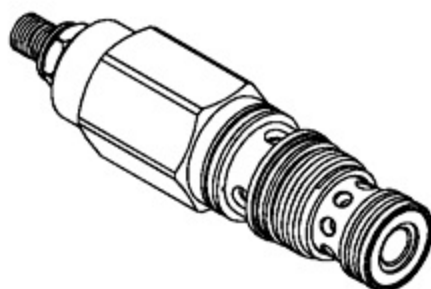


◆ **DIMENSIONS 外型尺寸圖**

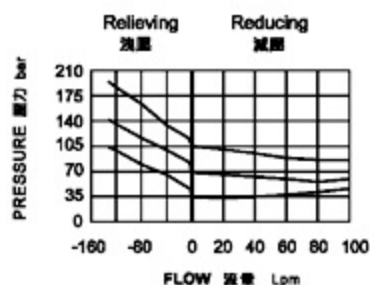


◆ **MODEL 型 式**

VGB-03



◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VGB-03	350 (5076 psi)	80 (21.13 gpm)	0.38 (0.84 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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VGB	03	— 21 —	* —	20

1 VALVE SERIES 系列名稱

VGB = CARTRIDGE TYPE DIRECT ACTING BALANCE VALVES
(REDUCING/RELIEVING VALVES)
插入式直動型平衡閥(減壓閥)

2 SUBPLATE MOUNTING SIZE 安裝口徑

03 : T-2A
Cavity 孔口 : CST-2A
See Page Appendixes-A_006
見附錄A_006 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

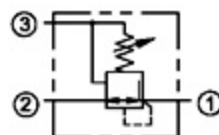
Order 編號	Adjustment pressure 壓力調整範圍
05	1.5 ~ 55 (bar)
10	3.5 ~ 105 (bar)
21	35 ~ 210 (bar)
30	50 ~ 315 (bar)

4 ADJUSTMENT OPTION 調整選項

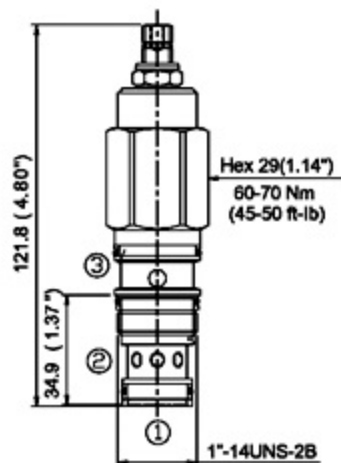
NONE	NONE: TOOL ADJUST 無：工具調整式	
K	K: HAND-BAR ADJUST K：手把調整式	

5 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



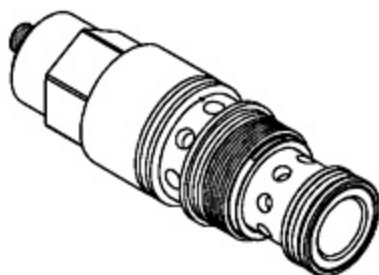
◆ **DIMENSIONS 外型尺寸圖**



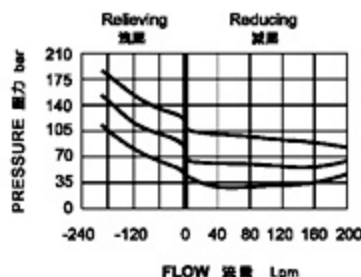
PRESSURE CONTROL VALVES 壓力控制閥

VGB SERIES CARTRIDGE TYPE DIRECT ACTING BALANCE VALVES (REDUCING/RELIEVING VALVES) VGB 系列插入式直接動平衡閥(減壓/溢流閥)

◆ **MODEL 型 式** **VGB-06**



◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VGB-06	350 (5076 psi)	160 (42.27 gpm)	0.8 (1.76 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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VGB	06	—	21	— * — 20

1 VALVE SERIES 系列名稱

VGB = CARTRIDGE TYPE DIRECTIONAL BALANCE VALVES
(REDUCING/RELIEVING VALVES)
插入式直接動平衡閥(減壓/溢流閥)

2 SUBPLATE MOUNTING SIZE 嵌板口徑

06 : T-17A
Cavity 孔口 : CST-17A
See Page Appendixes-A_007
見附錄A_007 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

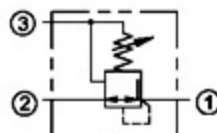
Order 編號	Adjustment pressure 壓力調整範圍
06	1.5 ~ 55 (bar)
10	3.5 ~ 105 (bar)
21	35 ~ 210 (bar)
30	50 ~ 315 (bar)

4 ADJUSTMENT OPTION 調整選擇

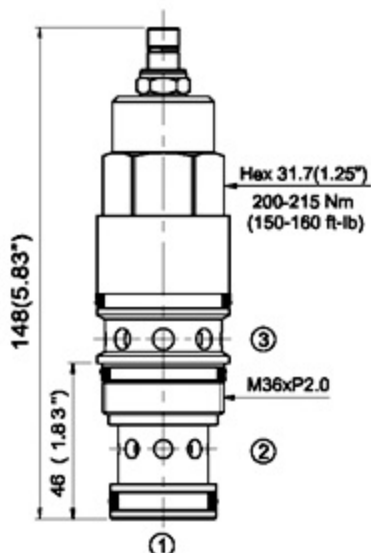
NONE	NONE: TOOL ADJUST 無：工具調整式	
K	K: HAND-BAR ADJUST K：手把調整式	

5 DESIGN NO 設計編號

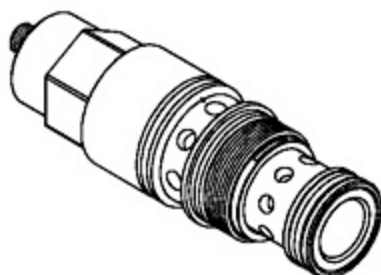
◆ **CONTROL PORT(S) 操作形式**



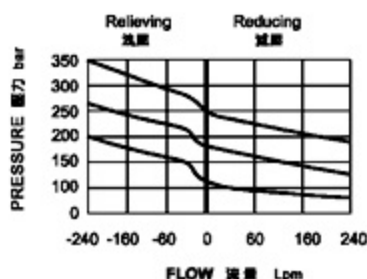
◆ **DIMENSIONS 外觀尺寸圖**



◆ **MODEL 型式**
VGB-10



◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VGB-10	350 (5076 psi)	320 (84.83 gpm)	1.7 (3.75 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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VGB	10	—	21	— * — 20

1 **VALVE SERIES 系列名稱**

VGB = CARTRIDGE TYPE DIRECT ACTING BALANCE VALVES
(REDUCING/RELIEVING VALVES)
插入式直動型平衡閥(減壓/溢流)

2 **SUBPLATE MOUNTING SIZE 安裝口徑**

Size:10
Cavity 孔口: CST-19A
See Page Appendixes-A_007
見附錄A_007 頁面

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

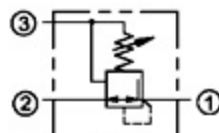
Order 編號	Adjustment pressure 壓力調整範圍
05	1.5 ~ 55 (bar)
10	3.5 ~ 105 (bar)
21	35 ~ 210 (bar)
30	50 ~ 315 (bar)

4 **ADJUSTMENT OPTION 調整選擇**

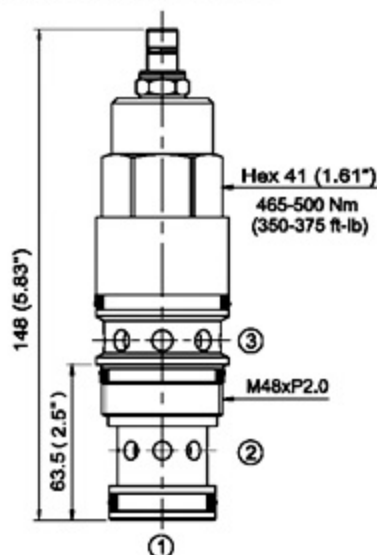
NONE	NONE: TOOL ADJUST 無: 工具調整式	
K	K: HAND-BAR ADJUST K: 手把調整式	

5 **DESIGN NO 設計編號**

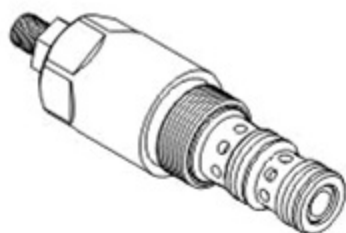
◆ **CONTROL PORT(S) 動作形式**



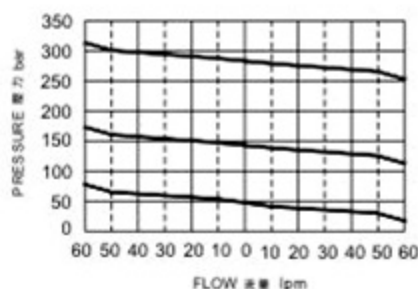
◆ **DIMENSIONS 外觀尺寸圖**



◆ **MODEL 型 式**
VGR-10



◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規 格**

Model Number 型 號	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VGR-10	350 (5076 psi)	60 (15.85 gpm)	0.22 (0.49 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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VGR	10	*	*	*

1 **VALVE SERIES 系列名稱**

VGR = CARTRIDGE BALANCE VALVES
(Pilot Operated Reducing/Relieving Valves)
插入式平衡閥(導壓操作減壓/壓閥)

2 **SUBPLATE MOUNTING SIZE 機座口徑**

Size : 10
Cavity 孔口: CS10-3N
See Page Appendixes-A_002
見附錄A_002 頁碼

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

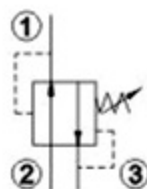
Order 編號	Adjustment pressure 壓力調整範圍
07	6 ~ 70 (bar)
14	10 ~ 140 (bar)
20	70 ~ 280 (bar)
30	140 ~ 350 (bar)

4 **ADJUSTMENT OPTION 調整選擇**

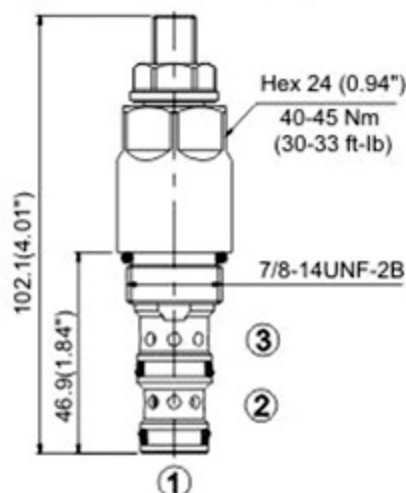
NONE: TOOL ADJUST 無: 工具調整式

5 **DESIGN NO 設計編號**

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

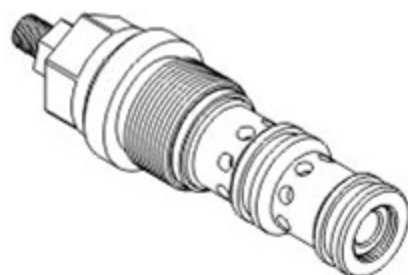


PRESSURE CONTROL VALVES 壓力控制閥

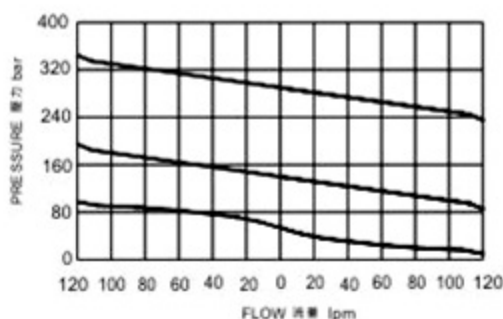
VGR SERIES CARTRIDGE BALANCE VALVES (Pilot Operated Reducing/Relieving Valves) VGR 系列插入式平衡閥(導壓操作減壓/溢流閥)

◆ MODEL 型 式

VGR-12



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VGR-12	350 (5076 psi)	120 (31.70 gpm)	0.29 (0.639 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	

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VGR	12	*	*	*

1 VALVE SERIES 系列名稱

VGR = CARTRIDGE BALANCE VALVES
(Pilot Operated Reducing/Relieving Valves)
插入式平衡閥(導壓操作減壓/溢流閥)

2 SUBPLATE MOUNTING SIZE 基座口徑

Size : 12
Cavity 孔口: CS12-3N
See Page Appendixes-A_002
見附錄A_002 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

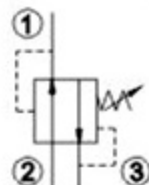
Order 編號	Adjustment pressure 壓力調整範圍
07	6 ~ 70 (bar)
14	10 ~ 140 (bar)
28	70 ~ 280 (bar)
35	140 ~ 350 (bar)

4 ADJUSTMENT OPTION 調整選擇

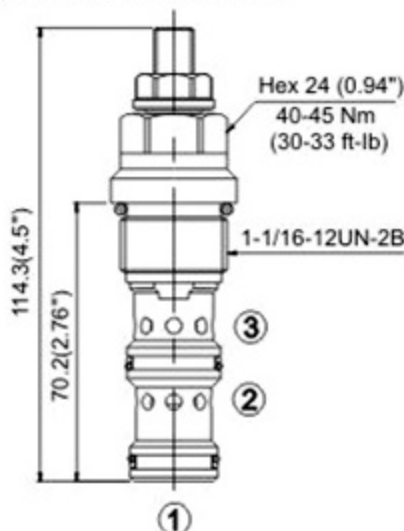
NONE: TOOL ADJUST 無: 工具調整式

5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

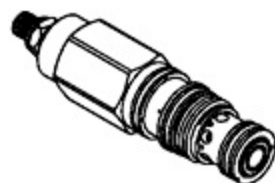


PRESSURE CONTROL VALVES 壓力控制閥

VHC SERIES CARTRIDGE DIRECT ACTING TYPE CHECK SEQUENCE VALVES VHC 系列插入式直動型止逆順序閥

◆ **MODEL 型 式**

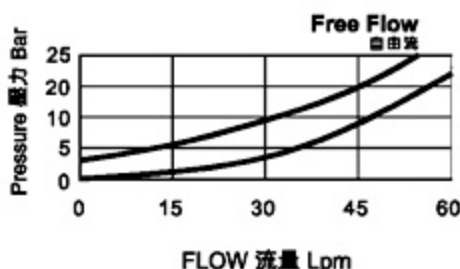
VHC-02



◆ **DESCRIPTION 說明**

Direct-acting sequence valves with reverse-flow check will supply a secondary circuit with flow once the pressure at the port 1 (inlet) has exceeded the valve setting. Additionally, these valves incorporate an integral check valve to provide reverse flow from port 2 (sequence) to port 1 (inlet). 直動式帶逆流單向閥的順序閥將在口1(進口)壓力超過閥的設定之後向次級油路供油。此外，此類閥內部集成單向閥，可以從口2(順序口)到口1(進口)逆向液流。

◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VHC-02	350 (5076 psi)	60 (15.85 gpm)	0.22 (0.48 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		

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VHC	02	*	*	*

1 **VALVE SERIES 系列名稱**

VHC= Cartridge Direct Acting Type
Check Sequence Valve
插入式直動型止逆順序閥

2 **SUBPLATE MOUNTING SIZE: 裝接口徑**

02: T-11A
Cavity 孔口: CST-11A
See Page Appendixes-A_006
見附錄A_006 頁面

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

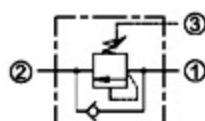
Order 編號	Adjustment pressure 壓力調整範圍
05	14 ~ 55 (bar)
10	20 ~ 105 (bar)
20	35 ~ 210 (bar)
30	55 ~ 315 (bar)
40	140 ~ 420 (bar)

4 **ADJUSTMENT OPTION 調整選項**

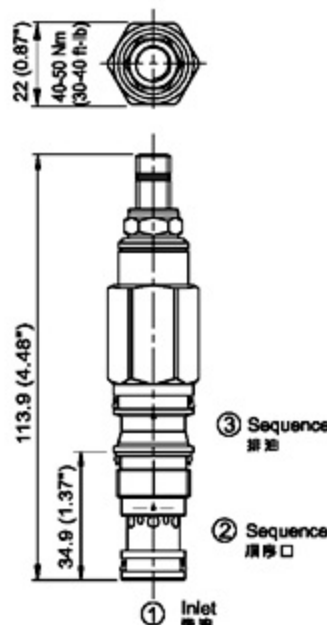
NONE	NONE: TOOL ADJUST 無工具調整式	
K	K: HAND-BAR ADJUST K: 手把調整式	

5 **DESIGN NO 設計編號**

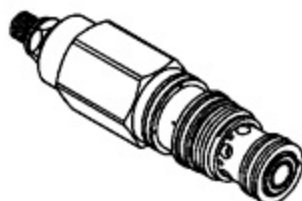
◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

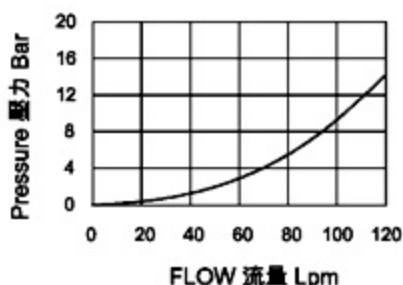


◆ **MODEL 型 式**
VHC-03



◆ **DESCRIPTION 說明**
Direct-acting sequence valves with reverse-flow check will supply a secondary circuit with flow once the pressure at the port 1 (inlet) has exceeded the valve setting. Additionally, these valves incorporate an integral check valve to provide reverse flow from port 2 (sequence) to port 1 (inlet).
直動式帶逆流單向閥的順序閥將在口1(進口)壓力超過閥的設定之後向次級油路供油。此外，此類閥內部集成單向閥，可以提供從口2(順序口)到口1(進口)逆向液流。

◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VHC-03	350 (5076 psi)	120 (31.7 gpm)	0.4 (0.88 lbs)
Fluid Type 油液型式		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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VHC	03	— *	— *	— *

1 **VALVE SERIES 系列名稱**
VHC= Cartridge Direct Acting Type Check Sequence Valve
插入式直動型止逆順序閥

2 **SUBPLATE MOUNTING SIZE 襯板口徑**
03: T-2A
Cavity 孔口: CST-2A
See Page Appendixes-A_006
見附錄A_006 頁面

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

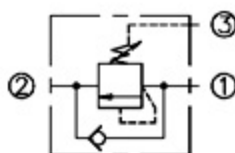
Order 編號	Adjustment pressure 壓力調整範圍
05	14 ~ 55 (bar)
10	20 ~ 105 (bar)
20	35 ~ 210 (bar)
30	55 ~ 315 (bar)
40	140 ~ 420 (bar)

4 **ADJUSTMENT OPTION 調整選擇**

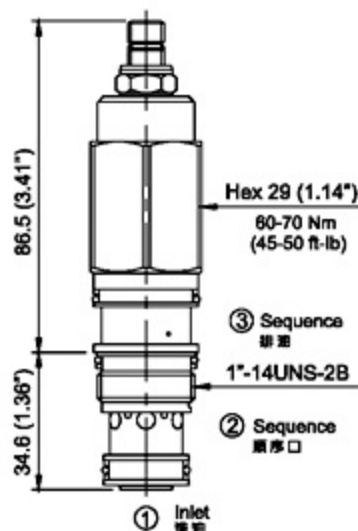
NONE	NONE: TOOL ADJUST 無，工具調整式	
K	K: HAND-BAR ADJUST K：手把調整式	

5 **DESIGN NO 設計編號**

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

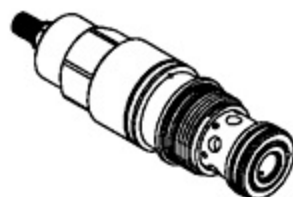


PRESSURE CONTROL VALVES 壓力控制閥

VHG SERIES CARTRIDGE TYPE SEQUENCE VALVES VHG 系列插入式順序閥

◆ MODEL 型 式

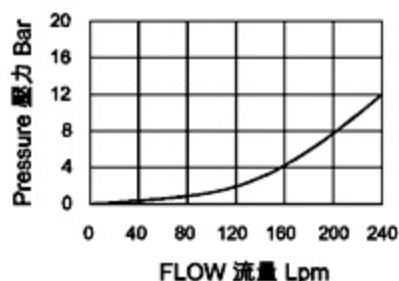
VHC-06



◆ DESCRIPTION 說明

Direct-acting sequence valves with reverse-flow check will supply a secondary circuit with flow once the pressure at the port 1 (inlet) has exceeded the valve setting. Additionally, these valves incorporate an integral check valve to provide reverse flow from port 2 (sequence) to port 1 (inlet).
直動式帶逆流單向閥的順序閥將在口1(進口)壓力超過閥的設定之後向次級油路供油。此外，此類閥內部集成單向閥，可以提供從口2(順序口)到口1(進口)逆向液流。

◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VHC-06	350 (5076 psi)	240 (63.4 gpm)	0.76 (1.68 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	

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VHC	06	*	*	*

1 VALVE SERIES 系列名稱

VHC= Cartridge Direct Acting Type Check Sequence Valve
插入式直動型止控順序閥

2 SUBPLATE MOUNTING SIZE 銑穿口徑

06:T-17A
Cavity 孔口:CST-17A
See Page Appendixes-A_004
見附錄A_004 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

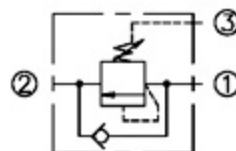
Order 編號	Adjustment pressure 壓力調整範圍
05	14 ~ 55 (bar)
10	20 ~ 105 (bar)
20	35 ~ 210 (bar)
30	55 ~ 315 (bar)
40	140 ~ 420 (bar)

4 ADJUSTMENT OPTION 調整選擇

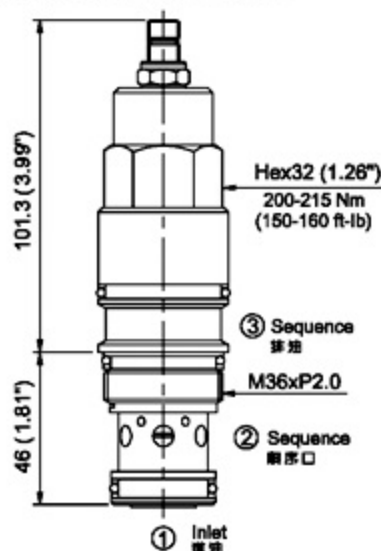
NONE	NONE: TOOL ADJUST 無，工具調整式	
K	K: HAND-BAR ADJUST K：手把調整式	

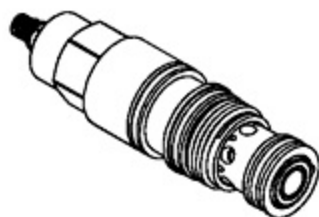
5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



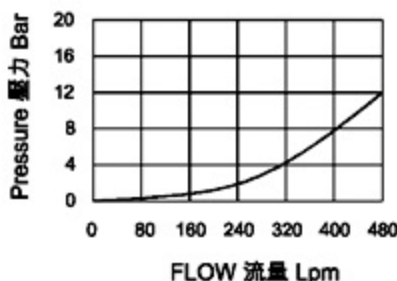
◆ **MODEL 型 式****VHC-10**◆ **DESCRIPTION 說明**

Direct-acting sequence valves with reverse-flow check will supply a secondary circuit with flow once the pressure at the port 1 (inlet) has exceeded the valve setting. Additionally, these valves incorporate an integral check valve to provide reverse flow from port 2 (sequence) to port 1 (inlet).

直動式帶逆流單向閥的順序閥將在口1(進口)壓力超過閥的設定之後向次級油路供油。此外，此類閥內部集成單向閥，可以提供從口2(順序口)到口1(進口)逆向液流。

◆ **PERFORMANCE 特性曲線**

Free Flow to Pressure Drop Sequenced Open
自由流順序孔開時壓降

◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VHC-10	350 (5076 psi)	480 (126.8 gpm)	1.7 (3.75 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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VHC	10	*	*	*

1 **VALVE SERIES 系列名稱**

VHC= Cartridge Direct Acting Type
Check Sequence Valve

插入式直動型止檢順序閥

2 **SUBPLATE MOUNTING SIZE 機接口徑**

10: T-19A

Cavity 孔口: CST-19A

See Page Appendix-A_007

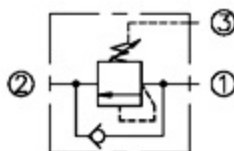
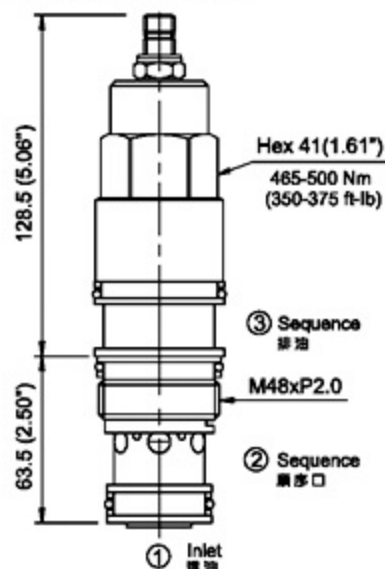
見附錄A_007 頁面

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

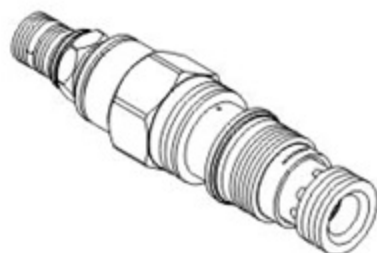
Order 編號	Adjustment pressure 壓力調整範圍
05	14 ~ 55 (bar)
10	20 ~ 105 (bar)
20	35 ~ 210 (bar)
30	55 ~ 315 (bar)
40	140 ~ 420 (bar)

4 **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	

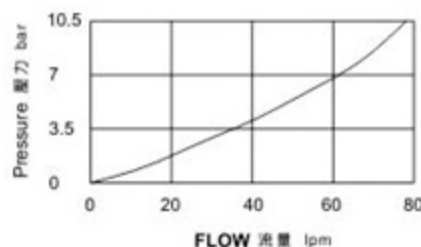
5 **DESIGN NO 設計編號**◆ **CONTROL PORT(S) 動作形式**◆ **DIMENSIONS 外型尺寸圖**

◆ **MODEL** 型 式
VHG-02



◆ **PERFORMANCE**(Cartridge Only)

特性曲線



◆ **SPECIFICATIONS** 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VHG-02	350 (5076 psi)	60 (15.85 gpm)	0.2 (0.44lbs)
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	

◆ **HOW TO ORDER** 編號說明

1	2	3	4
VHG	02	*	*

1 VALVE SERIES 系列名稱

VHG = CARTRIDGE TYPE SEQUENCE VALVES
插入式順序閥

2 SUBPLATE MOUNTING SIZE 插接口徑

02 : T-11A
Cavity 孔口: CST-11A
See Page Appendixes-A_006
見附錄A_006頁圖

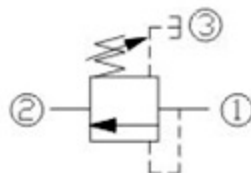
3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
06	2 ~ 60 (bar)
10	3.5 ~ 105 (bar)
21	7 ~ 210 (bar)
42	10 ~ 420 (bar)

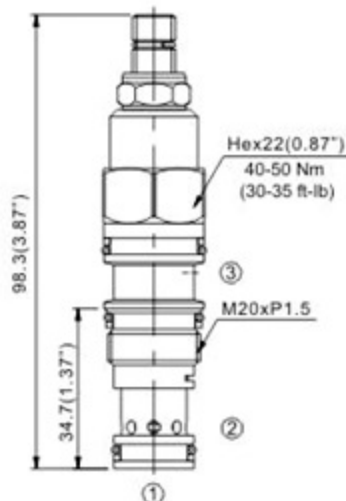
4 ADJUSTMENT OPTION 調整選擇

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

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖

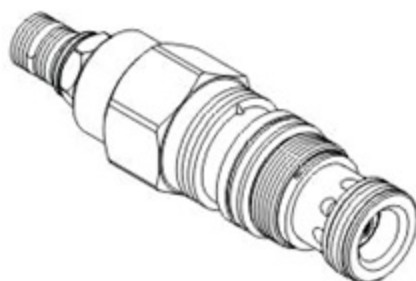


PRESSURE CONTROL VALVES 壓力控制閥

VHG SERIES CARTRIDGE TYPE SEQUENCE VALVES VHG 系列插入式順序閥

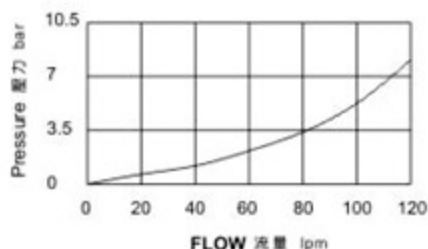
◆ **MODEL** 型 式

VHG-03



◆ **PERFORMANCE**(Cartridge Only)

特性曲線



◆ **SPECIFICATIONS** 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VHG-03	350 (5076 psi)	120 (31.70 gpm)	0.33 (0.73lbs)
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	

◆ **HOW TO ORDER** 編號說明

1	2	3	4
VHG	03	*	*

1 VALVE SERIES 系列名稱

VHG = CARTRIDGE TYPE SEQUENCE VALVES
插入式順序閥

2 SUBPLATE MOUNTING SIZE 插板口徑

03 : T-2A
Cavity 孔口: CST-2A
See Page Appendixes-A_006
見附錄A_006頁面

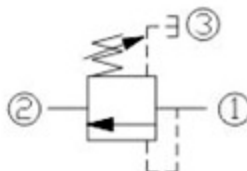
3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
06	2 ~ 60 (bar)
10	3.5 ~ 105 (bar)
21	7 ~ 210 (bar)
42	10 ~ 420 (bar)

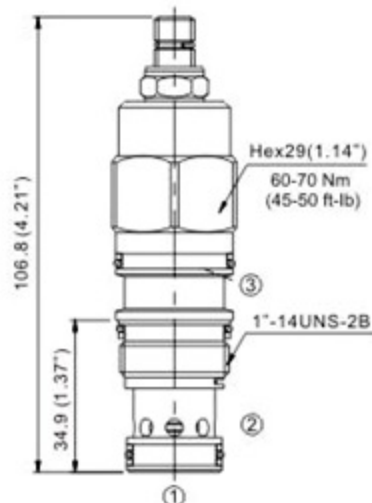
4 ADJUSTMENT OPTION 調整選擇

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

◆ **CONTROL PORT(S)** 動作形式

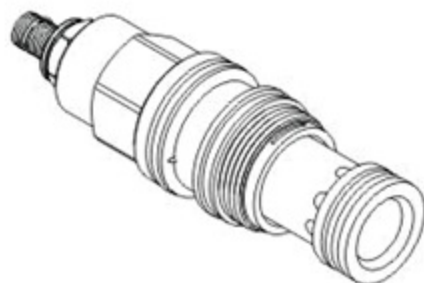


◆ **DIMENSIONS** 外型尺寸圖

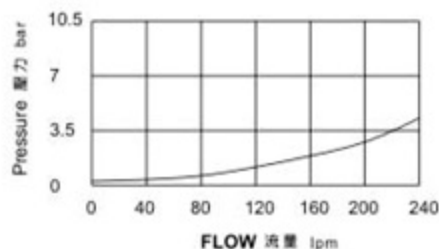


◆ **MODEL 型 式**

VHG-06

◆ **PERFORMANCE (Cartridge Only)**

特性曲線

◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VHG-06	350 (5076 psi)	240 (63.40 gpm)	0.7 (1.54lbs)
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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4
VHG	06	*	*

1 **VALVE SERIES 系列名稱**

VHG = CARTRIDGE TYPE SEQUENCE VALVES
插入式順序閥

2 **SUBPLATE MOUNTING SIZE 插接口徑**

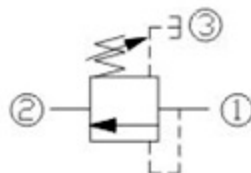
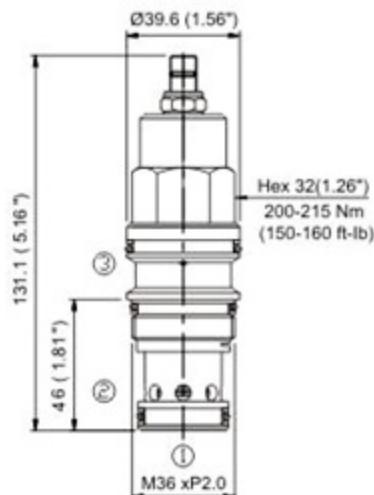
06 : T-17A
Cavity 孔口 : CST-17A
See Page Appendixes-A_007
見附錄A_007 頁碼

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

Order 編號	Adjustment pressure 壓力調整範圍
06	2 ~ 60 (bar)
10	3.5 ~ 105 (bar)
21	7 ~ 210 (bar)
42	10 ~ 420 (bar)

4 **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	

◆ **CONTROL PORT(S) 動作形式**◆ **DIMENSIONS 外型尺寸圖**

PRESSURE CONTROL VALVES 壓力控制閥

VHG SERIES CARTRIDGE TYPE SEQUENCE VALVES VHG 系列插入式順序閥

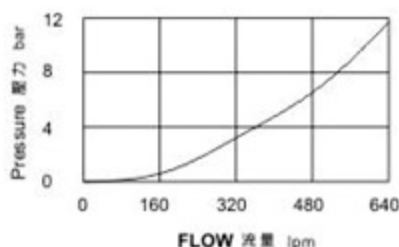
◆ **MODEL 型 式**

VHG-10



◆ **PERFORMANCE (Cartridge Only)**

特性曲線



◆ **SPECIFICATIONS 規 格**

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
VHG-10	350 (5076 psi)	480 (126.80 gpm)	1.45 (3.20lbs)
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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4
VHG	10	*	*

1 VALVE SERIES 系列名稱

VHG = CARTRIDGE TYPE SEQUENCE VALVES
插入式順序閥

2 SUBPLATE MOUNTING SIZE 插板口徑

10 : T-19A
Cavity 孔口: CST-19A
See Page Appendixes-A_007
見附錄A_007頁面

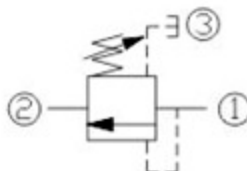
3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
06	2 ~ 60 (bar)
10	3.5 ~ 105 (bar)
21	7 ~ 210 (bar)
42	10 ~ 420 (bar)

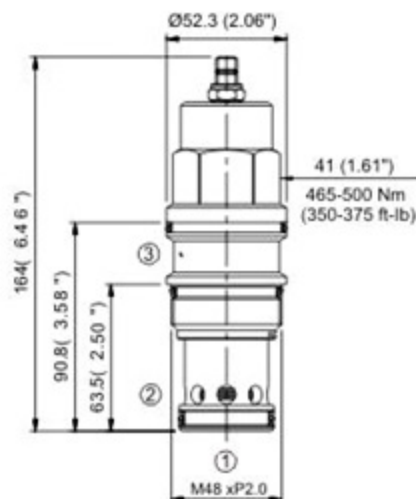
4 ADJUSTMENT OPTION 調整選擇

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

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



◆ **MODEL 型 式**

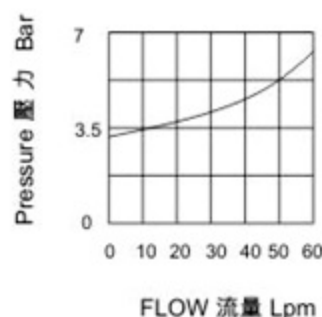
VHQ-02



◆ **DESCRIPTION 說明**

Cartridge type kick-down sequence valves is a special type of pressure control valve. When the pressure is lower than set pressure, the valve remains close. However when the pressure reach/over set pressure, the valve will completely open. Although the second pressure lower than set pressure, the valve remains open. 插入式卸壓型順序閥是特殊型式的壓力控制閥。當系統一次壓低於設定壓時，閥保持關閉；而達到設定壓時，則全開，即使二次壓使系統壓降至低於設定壓仍保持開閥狀況。

◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VHQ-02	350 (5076 psi)	60 (15.85 gpm)	0.2 (0.44 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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VHQ	02	*	*	*

1 **VALVE SERIES 系列名稱**

VHQ = Cartridge Type Kick-down Sequence Valves
插入式卸壓型順序閥

2 **SUBPLATE MOUNTING SIZE 插牌口徑**

02 : T-11A
Cavity 孔口: CST-11A
See Page Appendixes-A_006
見附錄A_006頁碼

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

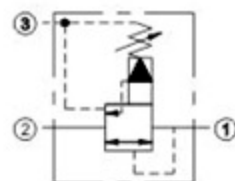
Order 編號	Adjustment pressure 壓力調整範圍
10	3.5 ~ 105 (bar)
21	7 ~ 210 (bar)

4 **ADJUSTMENT OPTION 調整選擇**

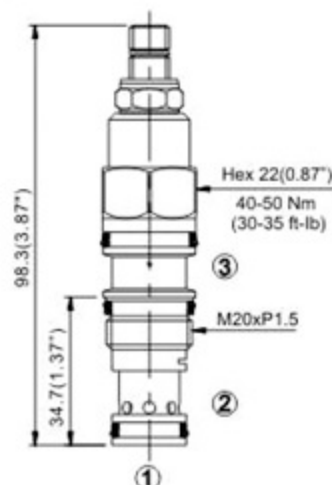
NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST K 手把調整式	

5 **DESIGN NO 設計編號**

◆ **CONTROL PORT(S) 動作形式**

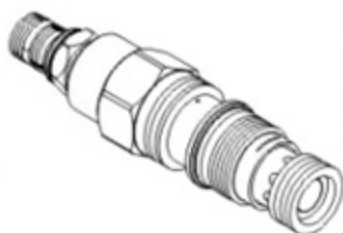


◆ **DIMENSIONS 外型尺寸圖**



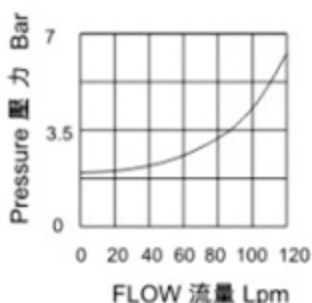
◆ **MODEL 型 式**

VHQ-03

◆ **DESCRIPTION 說明**

Cartridge type kick-down sequence valves is a special type of pressure control valve. When the pressure is lower than set pressure, the valve remains close. However when the pressure reach/over set pressure, the valve will completely open. Although the second pressure lower than set pressure, the valve remains open.

插入式卸壓順序閥是特殊型式的壓力控制閥。當系統一次壓低於設定壓時，閥保持關閉；而達到設定壓時，則全開，即使二次壓使系統壓降至低於設定壓仍保持開閥狀況。

◆ **PERFORMANCE 特性曲線**◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VHQ-03	350 (5076 psi)	120 (31.70 gpm)	0.33 (0.73 lbs)
Fluid Type 流體型式		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	

◆ **HOW TO ORDER 編號說明**

1	2	3	4	5
VHQ	03	*	*	*

1 **VALVE SERIES 系列名稱**

VHQ = Cartridge Type Kick-down Sequence Valves
插入式卸壓順序閥

2 **SUBPLATE MOUNTING SIZE 輪印口徑**

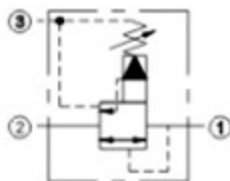
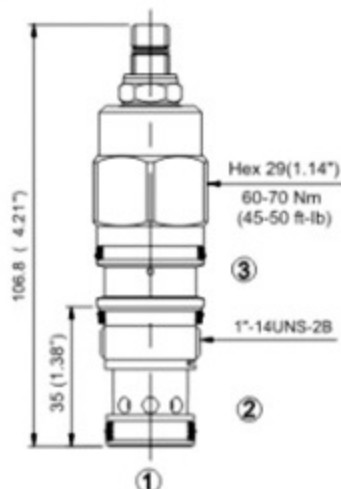
03 : T-2A
Cavity 孔口: CST-2A
See Page Appendixes-A_006
見附錄A_006頁面

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

Order 編號	Adjustment pressure 壓力調整範圍
10	3.5 ~ 105 (bar)
21	7 ~ 210 (bar)

4 **ADJUSTMENT OPTION 調整選擇**

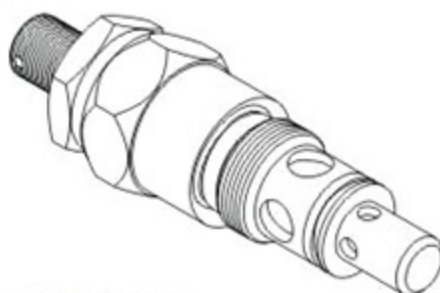
NONE	NONE: TOOL ADJUST 無工具調整式	
K	K: HAND-BAR ADJUST 手把調整式	

5 **DESIGN NO 設計編號**◆ **CONTROL PORT(S) 動作形式**◆ **DIMENSIONS 外型尺寸圖**

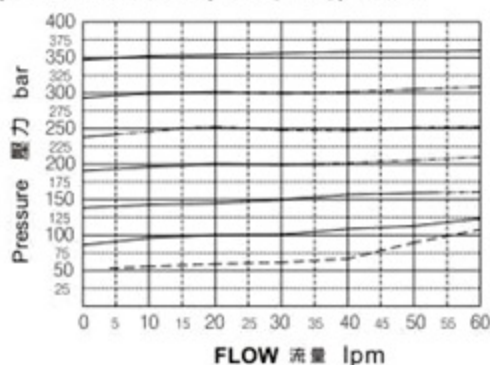
PRESSURE CONTROL VALVES 壓力控制閥

VNE SERIES CARTRIDGE TYPE RELIEF VALVES VNE 系列插入式調壓閥

◆ **MODEL** 型 式 **VNE-03**



◆ **PERFORMANCE**(Cartridge Only) 特性曲線



◆ **SPECIFICATIONS** 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VNE-03	315 (4569 psi)	60 (15.85 gpm)	0.18 (0.40 lbs)
Fluid Type 流體型式		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	

◆ **HOW TO ORDER** 編號說明

1	2	3	4	5
VNE	03	*	*	20

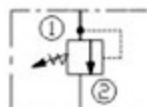
1 VALVE SERIES 系列名稱
VNE= Cartridge Type Relief Valves
插入式調壓閥

2 SUBPLATE MOUNTING SIZE 轉印口徑

3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
25	30 ~ 280 (bar)
35	80 ~ 350 (bar)

◆ **CONTROL PORT(S)** 動作形式



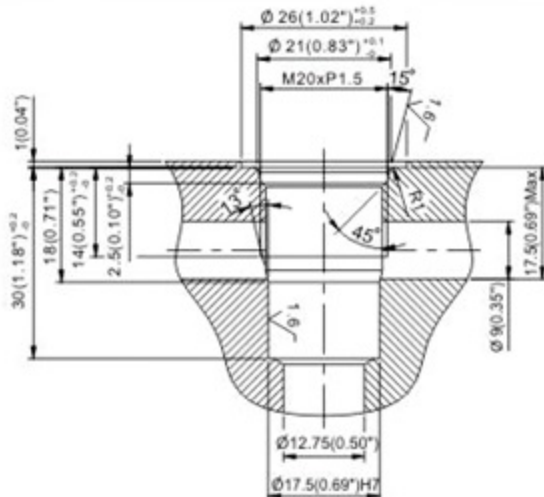
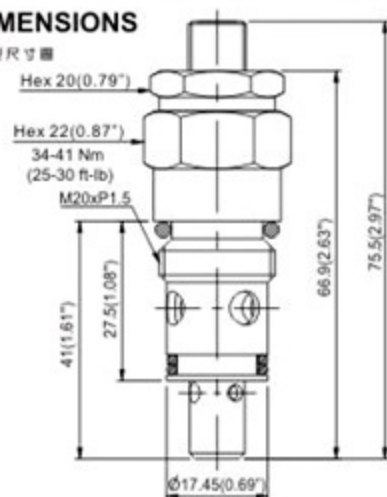
4 ADJUSTMENT OPTION 調整選擇

NONE	NONE TOOL ADJUST 無工具調整式
------	----------------------------

5 DESIGN NO 設計編號

◆ **DIMENSIONS**

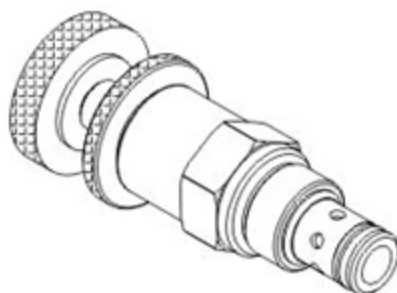
外型尺寸圖



壓力控制閥 **PRESSURE CONTROL VALVES**

VNE 系列插入式卸壓閥 **VNE SERIES CARTRIDGE TYPE RELIEF VALVES**

◆ MODEL 型 式 VNE-04



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VNE-04	315 (4569 psi)	20 (5.28 gpm)	0.1 (0.2 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	

◆ HOW TO ORDER 編號說明

1	2	3	4
VNE	04	— ** —	K

1 VALVE SERIES 系列名稱

VNE= Cartridge Type Relief Valves
插入式卸壓閥

2 SUBPLATE MOUNTING SIZE 插口直徑

SIZE : 08

Cavity 孔口 : CS08-2N

See Page Appendix-A_001

見附錄A_001 頁面

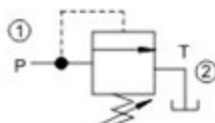
3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
03	0 ~ 30 (bar)
10	0 ~ 100 (bar)
20	30 ~ 200 (bar)
30	40 ~ 300 (bar)

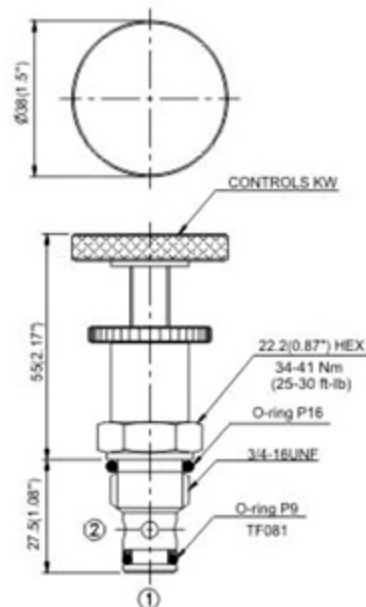
4 ADJUSTMENT OPTION 調整選擇

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

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



PRESSURE CONTROL VALVES 壓力控制閥

VNE SERIES CARTRIDGE TYPE RELIEF VALVES VNE 系列插入式調壓閥

◆ **MODEL** 型 式 VNE-05



◆ **SPECIFICATIONS** 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VNE-05	350 (5076 psi)	20 (5.28 gpm)	0.2 (0.55 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	

◆ **HOW TO ORDER** 編號說明

1	2	3	4	5
VNE	05	— ** —	K	— 20

- 1 VALVE SERIES** 系列名稱
VNE= Cartridge Type Relief Valves
插入式調壓閥

- 2 SUBPLATE MOUNTING SIZE** 插板口徑
Size: 08
Cavity 孔口: CS08-2N
See Page Appendixes-A_001
規格表A_001 頁面

- 3 ADJUSTMENT PRESSURE** 壓力調整範圍

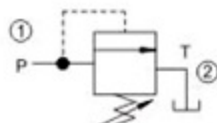
Order 編號	Adjustment pressure 壓力調整範圍
10	0 ~ 100 (bar)
20	30 ~ 250 (bar)
35	100 ~ 350 (bar)

- 4 ADJUSTMENT OPTION** 調整選擇

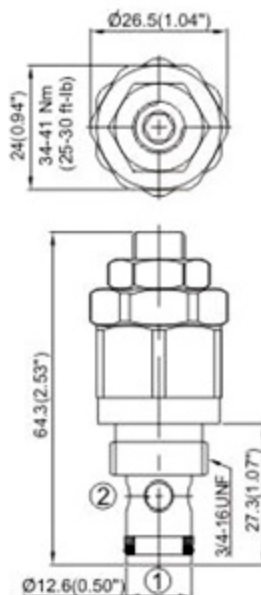
NONE	NONE: TOOL ADJUST 無工具調整式	
K	K: HAND-BAR ADJUST K: 手把調整式	

- 5 DESIGN NO** 設計編號

◆ **CONTROL PORT(S)** 動作形式



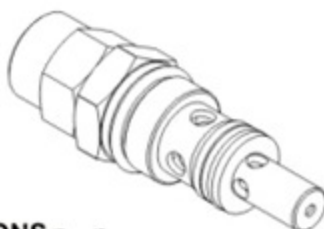
◆ **DIMENSIONS** 外型尺寸圖



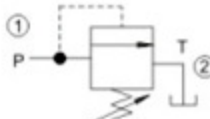
壓力控制閥 PRESSURE CONTROL VALVES

VNE 系列插入式調壓閥 VNE SERIES CARTRIDGE TYPE RELIEF VALVES

◆ MODEL 型式 VNE-07



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VNE-07-**-*	420 (6092 psi)	60 (15.85 gpm)	0.2 (0.44 lbs)
VNE-07-**-1P			1.8 (3.97 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	

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VNE	07	— *	— K	— 1P

1 VALVE SERIES 系列名稱

VNE= Cartridge Type Relief Valves
插入式調壓閥

2 SUBPLATE MOUNTING SIZE 端接口徑

3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
1	φ ~ 100 (bar)
2	φ ~ 250 (bar)
3	φ ~ 400 (bar)

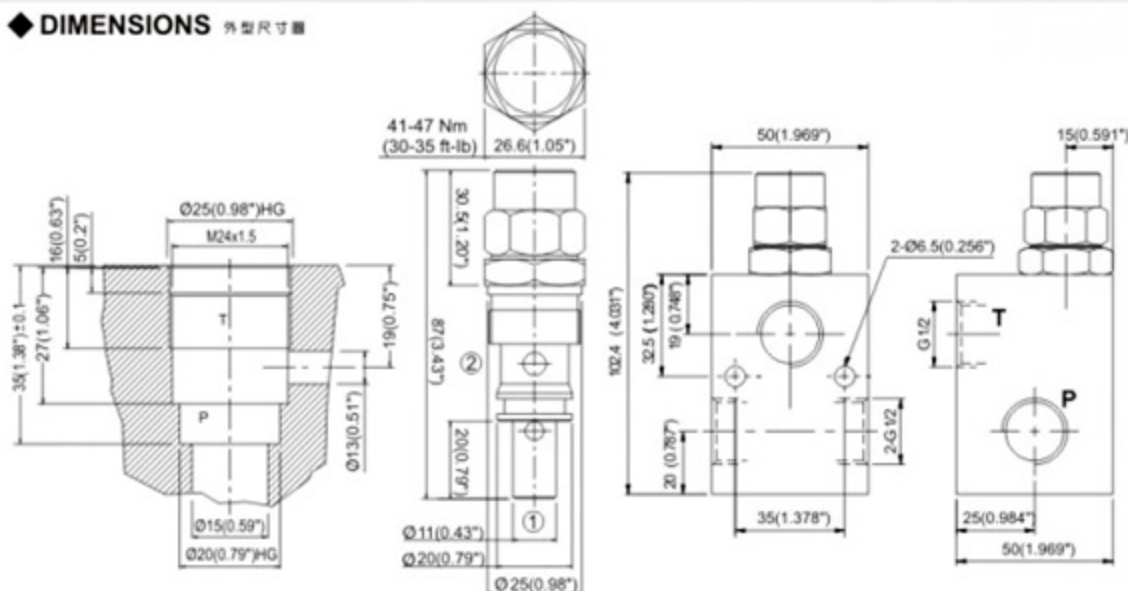
4 ADJUSTMENT OPTION 調整選擇

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

5 THREADED TYPE 螺紋規格

NONE-CARTRIDGE ONLY 無：只訂購螺紋零件
1P-PT 3G-PF(G) 5B-BSP
2N-NPT 4S-SAE

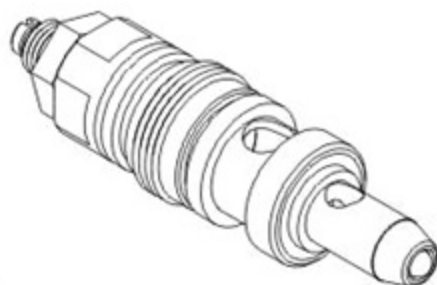
◆ DIMENSIONS 外型尺寸圖



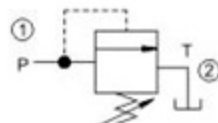
PRESSURE CONTROL VALVES 壓力控制閥

VNE SERIES CARTRIDGE TYPE RELIEF VALVES VNE 系列插入式調壓閥

◆ **MODEL** 型 式 VNE-08



◆ **CONTROL PORT(S)** 動作形式



◆ **SPECIFICATIONS** 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VNE-08	315 (4569 psi)	120 (31.70 gpm)	0.3 (0.7 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		

◆ **HOW TO ORDER** 編號說明

1	2	3	4
VNE	08	1	K

1 VALVE SERIES 系列名稱

VNE= Cartridge Type Relief Valves
插入式調壓閥

2 SUBPLATE MOUNTING SIZE 隔片口徑

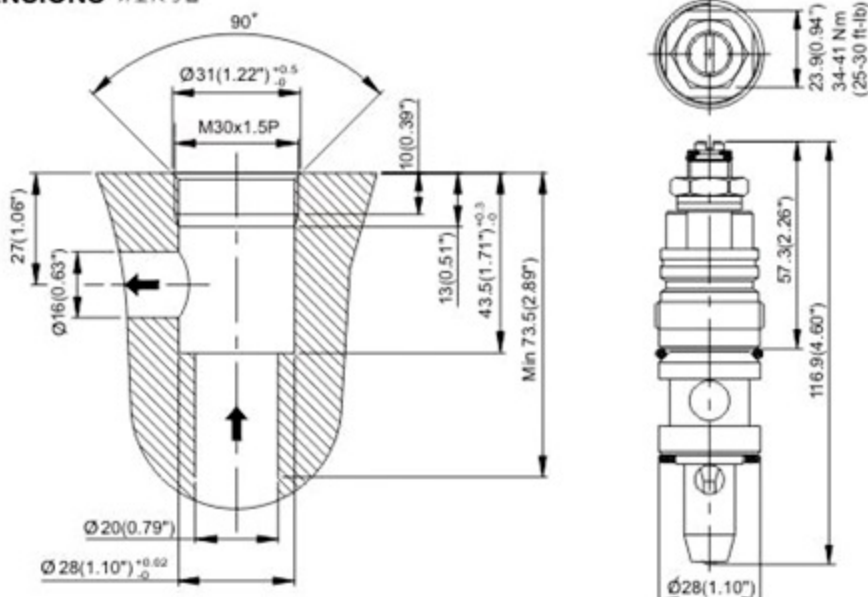
3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
1	0 ~ 100 (bar)
2	0 ~ 315 (bar)

4 ADJUSTMENT OPTION 調整選擇

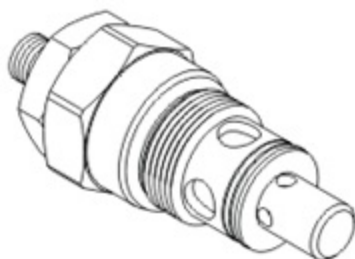
NONE: TOOL ADJUST 無：工具調整式

◆ **DIMENSIONS** 外型尺寸圖

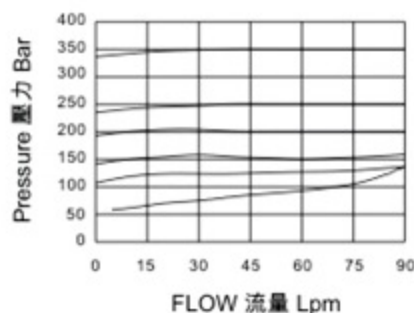


◆ MODEL 型 式

VNE-60



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VNE-60	380 (5511 psi)	90 (23.78 gpm)	0.26 (0.57 gpm)
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	

◆ HOW TO ORDER 編號說明

1	2	3	4
VNE	60	*	*

1 VALVE SERIES 系列名稱

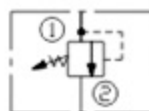
VNE= Cartridge Type Relief Valves
插入式調壓閥

2 SUBPLATE MOUNTING SIZE 插口直徑

3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
28	30 ~ 280 (bar)
35	80 ~ 350 (bar)

◆ CONTROL PORT(S) 動作形式

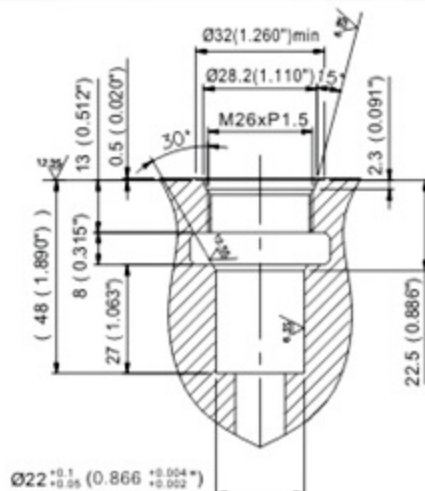
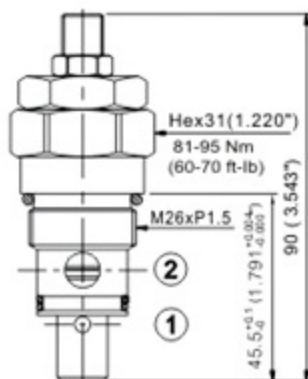


4 ADJUSTMENT OPTION 調整選擇

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

◆ DIMENSIONS 外型尺寸圖

外型尺寸圖

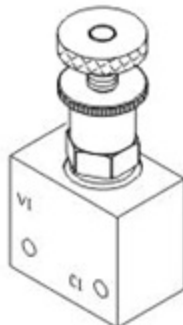


壓力控制閥 PRESSURE CONTROL VALVES

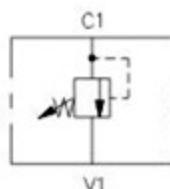
VNEL 系列插入式調壓閥 VNEL SERIES CARTRIDGE TYPE RELIEF VALVES

◆ MODEL 型 式

VNEL-04



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VNEL-04	300 (4351 psi)	20 (5.28 gpm)	0.4 (0.89 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	

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
VNEL	04	*	*	*	*

1 VALVE SERIES 系列名稱

VNEL = Relief Valves 調壓閥

2 SUBPLATE MOUNTING SIZE 插牌口徑

04 = Size : 08

3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
08	0 ~ 30 (bar)
10	0 ~ 100 (bar)
20	30 ~ 200 (bar)
30	40 ~ 300 (bar)



Body Material 實體材料	Maximum Pressure 最大壓力 bar	Weight 重量 Kg
Aluminum (standard) 鋁 (標準)	240 (3481 psi)	0.4 (0.89 lbs)
Steel 鋼	350 (5076 psi)	0.7 (1.54 lbs)

4 PORTS DIMENSIONS 接口尺寸

A : 1/4

B : 3/8

5 THREADED TYPE 螺紋規格

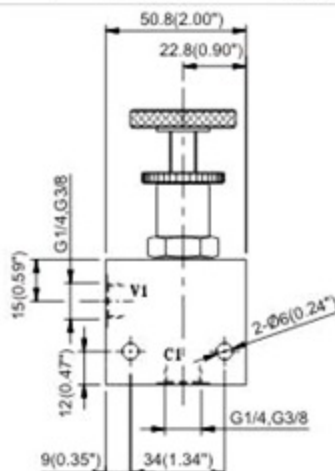
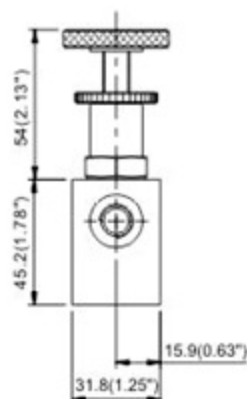
1P : PT 2N : NPT 3G : PF(G) 4A : SAE 5B : BSP

6 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	

◆ DIMENSIONS 外型尺寸圖

外型尺寸圖

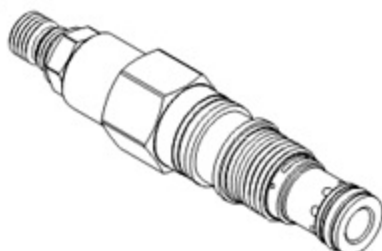


PRESSURE CONTROL VALVES 壓力控制閥

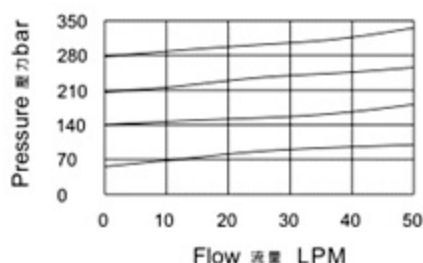
VRA SERIES CARTRIDGE TYPE RELIEF VALVES (Remote Control Included) VRA 系列插入式調壓閥(附遙控)

◆ **MODEL** 型 式

VRA-01



◆ **PERFORMANCE**(Cartridge Only)



◆ **SPECIFICATIONS** 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VRA-01	350 (5076 psi)	30 (7.93 gpm)	0.13 (0.29 lbs)
Fluid Type 流體型式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406. 21/19/16 NAS1638,10	

◆ **HOW TO ORDER** 編號說明

1	2	3	4
VRA	01	*	*

1 VALVE SERIES 系列名稱

VRA= CARTRIDGE TYPE RELIEF VALVES
(Remote Control Included)
插入式調壓閥 (附遙控)

2 SUBPLATE MOUNTING SIZE 稱呼口徑

01: T-163A
Cavity 孔口: CST-163A
See Page Appendix-A_008
見附錄A_008 頁面

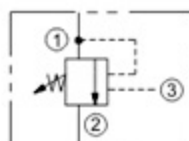
3 ADJUSTMENT OPTION 調整選擇

Order 編號	Adjustment pressure 壓力調整範圍
06	0 ~ 60 (bar)
10	0 ~ 100 (bar)
20	8 ~ 210 (bar)
40	12 ~ 420 (bar)

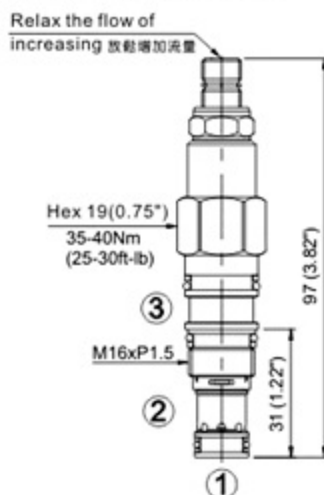
4 ADJUSTMENT OPTION 調整選擇

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

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖



壓力控制機 **PRESSURE CONTROL VALVES**

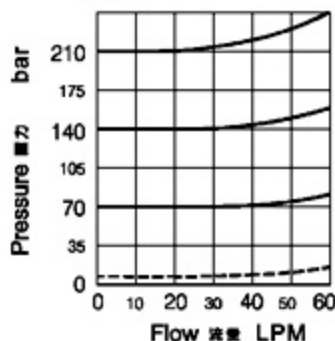
VRA 系列插入式調壓閥(附遙控) VRA SERIES CARTRIDGE TYPE RELIEF VALVES (Remote Control Included)

◆ MODEL 型 式

VRA-02



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VRA-02	350 (5076 psi)	60 (15.85 gpm)	0.18 (0.40 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	

◆ HOW TO ORDER 編號說明

1	2	3	4
VRA	02	*	*

1 VALVE SERIES 系列名稱

VRA= CARTRIDGE TYPE RELIEF VALVES
(Remote Control Included)
插入式調壓閥 (附遙控)

2 SUBPLATE MOUNTING SIZE 副牌口徑

02: T-11A
Cavity 孔口: CST-11A
See Page Appendixes-A_006
見附錄A_006 頁圖

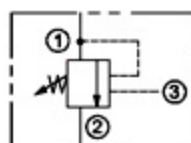
3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
06	※ ~ 60 (bar)
10	※ ~ 100 (bar)
20	8 ~ 210 (bar)
40	12 ~ 420 (bar)

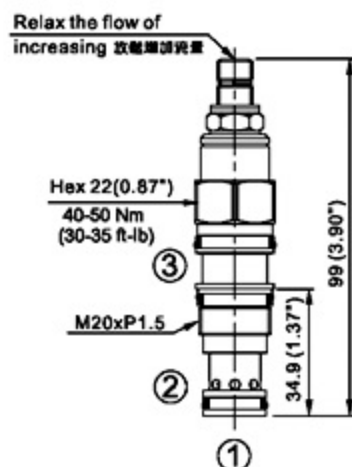
4 ADJUSTMENT OPTION 調整選擇

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

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

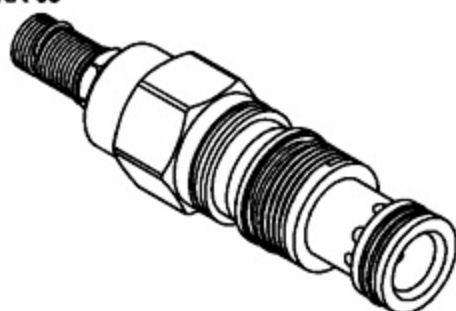


PRESSURE CONTROL VALVES 壓力控制閥

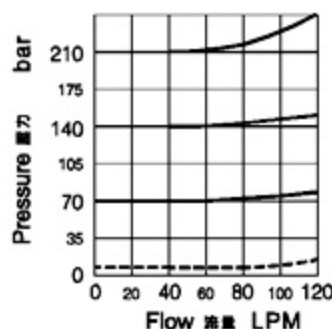
VRA SERIES CARTRIDGE TYPE RELIEF VALVES (Remote Control Included) VRA 系列插入式調壓閥(附遙控)

◆ MODEL 型 式

VRA-03



◆ PERFORMANCE (Cartridge Only)



◆ SPECIFICATIONS 規 格

Model Number 型 號	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VRA-03	420 (6092 psi)	120 (31.70 gpm)	0.3 (0.66 lbs)
Fluid Type 液體形式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406.21/19/16 NAS1638,10	

◆ HOW TO ORDER 點貨說明

1	2	3	4
VRA	03	*	*

1 VALVE SERIES 系列名稱

VRA= CARTRIDGE TYPE RELIEF VALVES
(Remote Control Included)
插入式調壓閥 (附遙控)

2 SUBPLATE MOUNTING SIZE 接口口徑

03: T-2A
Cavity 孔口: CST-2A
See Page Appendixes-A_006
見附錄A_006 頁碼

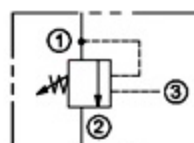
3 ADJUSTMENT OPTION 調整選擇

Order 編號	Adjustment pressure 壓力調整範圍
06	* ~ 60 (bar)
10	* ~ 100 (bar)
20	8 ~ 210 (bar)
40	12 ~ 420 (bar)

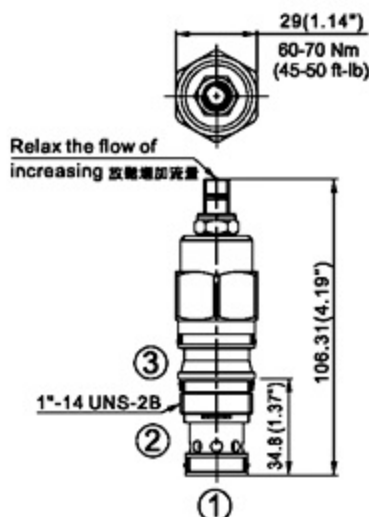
4 ADJUSTMENT OPTION 調整選擇

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

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

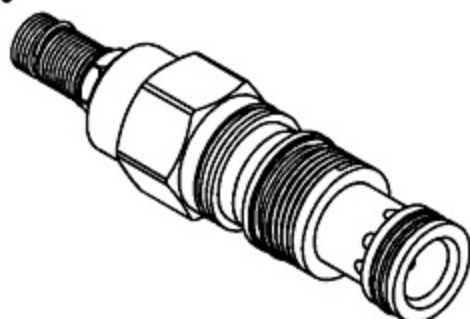


壓力控制閥 **PRESSURE CONTROL VALVES**

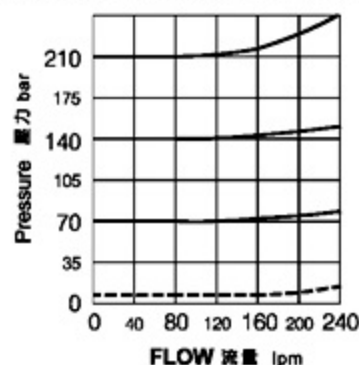
VRA 系列插入式調壓閥(附遙控) VRA SERIES CARTRIDGE TYPE RELIEF VALVES (Remote Control Included)

◆ MODEL 型 式

VRA-06



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型 號	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重 量 Kg
VRA-06	420 (6092 psi)	240 (63.40 gpm)	0.69 (1.52 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	

◆ HOW TO ORDER 編號說明

1	2	3	4
VRA	06	*	*

1 VALVE SERIES 系列名稱

VRA= CARTRIDGE TYPE RELIEF VALVES
(Remote Control Included)
插入式調壓閥 (附遙控)

2 SUBPLATE MOUNTING SIZE 副板口徑

06: T-17A
Cavity 孔口: CST-17A
See Page Appendixes-A_007
見附錄 A_007 頁

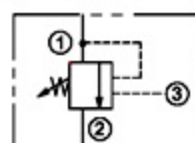
3 ADJUSTMENT OPTION 調整選擇

Order 編號	Adjustment pressure 壓力調整範圍
06	※ ~ 60 (bar)
10	※ ~ 100 (bar)
20	8 ~ 210 (bar)
40	12 ~ 420 (bar)

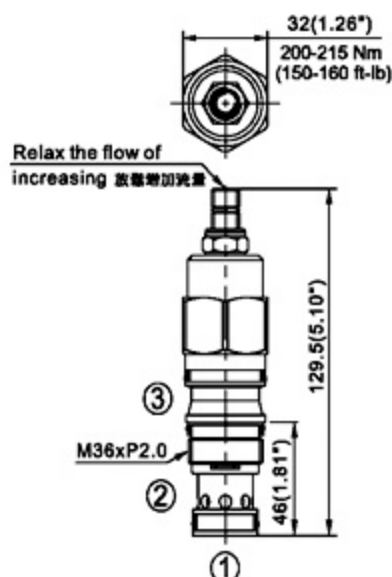
4 ADJUSTMENT OPTION 調整選擇

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

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

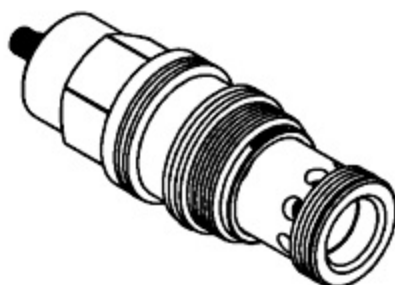


PRESSURE CONTROL VALVES 壓力控制閥

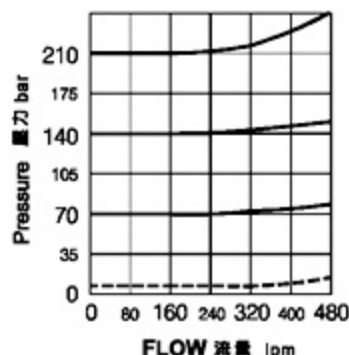
VRA SERIES CARTRIDGE TYPE RELIEF VALVES (Remote Control Included) VRA 系列插入式調壓閥(附遙控)

◆ MODEL 型 式

VRA-10



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VRA-10	420 (6092 psi)	480 (126.80 gpm)	1.45 (3.20 lbs)
Fluid Type 液體型式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406. 21/19/16 NAS1638,10	

◆ HOW TO ORDER 編號說明

1	2	3	4
VRA	10	*	*

1 VALVE SERIES 系列名稱

VRA= CARTRIDGE TYPE RELIEF VALVES
(Remote Control Included)
插入式調壓閥 (附遙控)

2 SUBPLATE MOUNTING SIZE 副板口徑

10: T-19A
Cavity 孔口: CST-19A
See Page Appendixes-A_007
見附錄 A_007 頁面

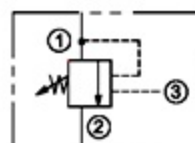
3 ADJUSTMENT OPTION 調整選擇

Order 編號	Adjustment pressure 壓力調整範圍
08	※ ~ 60 (bar)
10	※ ~ 100 (bar)
20	8 ~ 210 (bar)
40	12 ~ 420 (bar)

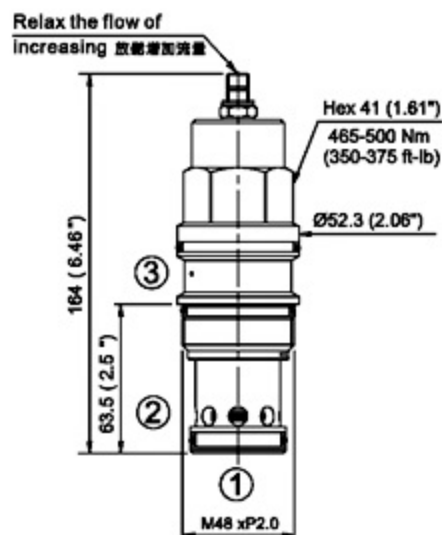
4 ADJUSTMENT OPTION 調整選擇

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

◆ CONTROL PORT(S) 操作形式



◆ DIMENSIONS 外型尺寸圖



PRESSURE CONTROL VALVES 壓力控制閥

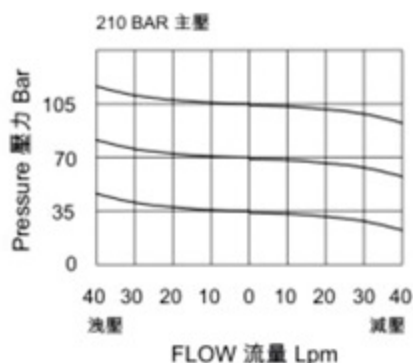
VRB SERIES CARTRIDGE BALANCE VALVES (Pilot Operated Reducing/Relieving Valves) VRB 系列插入式平衡閥(導壓操作減壓/溢壓閥)

◆ MODEL 型 式

VRB-02



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VRB-02	350 (5076psi)	40 (10.57gpm)	0.18 (0.4 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		

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VRB	02	*	*	*

1 VALVE SERIES 系列名稱

VRB=CARTRIDGE BALANCE VALVES

(Pilot Operated Reducing/Relieving Valves)

插入式平衡閥(導壓操作減壓/溢壓閥)

2 SUBPLATE MOUNTING SIZE 插口口徑

02 :T-11A

Cavity 孔口:CST-11A

See Page Appendixes-A_006

見附錄 A_006 頁圖

3 ADJUSTMENT PRESSURE 壓力調整範圍

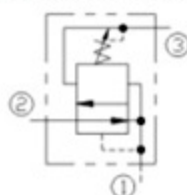
Order 編號	Adjustment pressure 壓力調整範圍
06	4 ~ 60 (bar)
10	4 ~ 105 (bar)
20	7 ~ 210 (bar)
30	10 ~ 315 (bar)

4 ADJUSTMENT OPTION 調整選擇

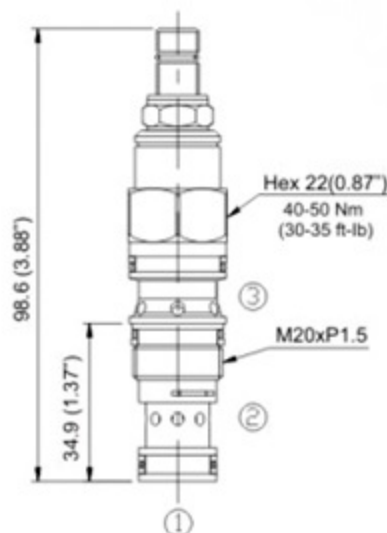
NONE	NONE:TOOL ADJUST 無工具調整式	
K	K:HAND-BAR ADJUST K:手把調整式	

5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



PRESSURE CONTROL VALVES 壓力控制閥

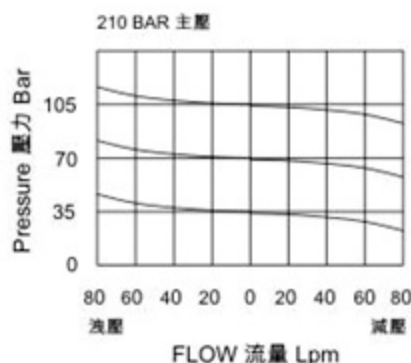
VRB SERIES CARTRIDGE BALANCE VALVES (Pilot Operated Reducing/Relieving Valves) VRB 系列插入式平衡閥(導壓操作減泄壓閥)

◆ MODEL 型 式

VRB-03



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VRB-03	350 (5076psi)	80 (21.13gpm)	0.3 (0.66lbs)
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	

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VRB	03	*	*	*

1 VALVE SERIES 系列名稱

VRB=CARTRIDGE BALANCE VALVES

(Pilot Operated Reducing/Relieving Valves)

插入式平衡閥(導壓操作減泄壓閥)

2 SUBPLATE MOUNTING SIZE 補口口徑

03 :T-2A

Cavity 孔口:CST-2A

See Page Appendixes-A_006

見附錄 A_006 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

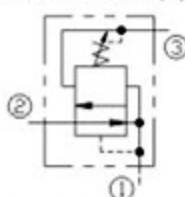
Order 編號	Adjustment pressure 壓力調整範圍
06	4 ~ 60 (bar)
10	4 ~ 105 (bar)
20	7 ~ 210 (bar)
30	10 ~ 315 (bar)

4 ADJUSTMENT OPTION 調整選擇

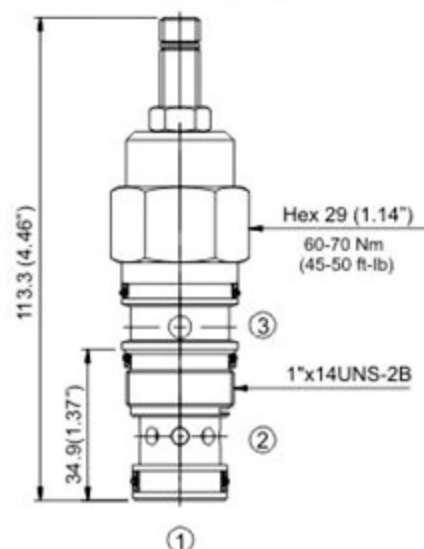
NONE	NONE TOOL ADJUST 無工具調整式	
K	K-HAND-BAR ADJUST K-手把調整式	

5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



PRESSURE CONTROL VALVES 壓力控制閥

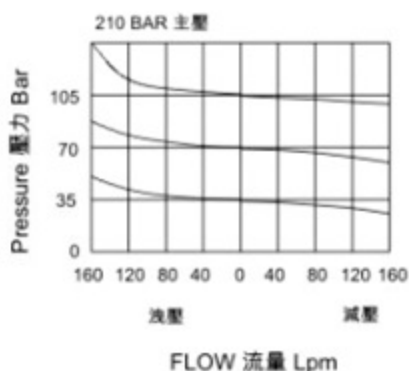
VRB SERIES CARTRIDGE BALANCE VALVES (Pilot Operated Reducing/Relieving Valves) VRB 系列插入式平衡閥(導壓操作減壓/溢流閥)

◆ MODEL 型 式

VRB-06



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VRB-06	350 (5076psi)	160 (42.27gpm)	0.61 (1.35 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	

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VRB	06	*	*	*

1 VALVE SERIES 系列名稱

VRB=CARTRIDGE BALANCE VALVES

(Pilot Operated Reducing/Relieving Valves)

插入式平衡閥(導壓操作減壓/溢流閥)

2 SUBPLATE MOUNTING SIZE 端接口徑

06 :T-17A

Cavity 孔口:CST-17A

See Page Appendixes-A_007

見附錄 A_007 頁圖

3 ADJUSTMENT PRESSURE 壓力調整範圍

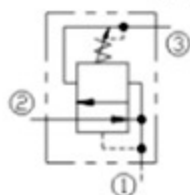
Order 編號	Adjustment pressure 壓力調整範圍
06	4 ~ 60 (bar)
10	4 ~ 105 (bar)
20	7 ~ 210 (bar)
30	10 ~ 315 (bar)

4 ADJUSTMENT OPTION 調整選擇

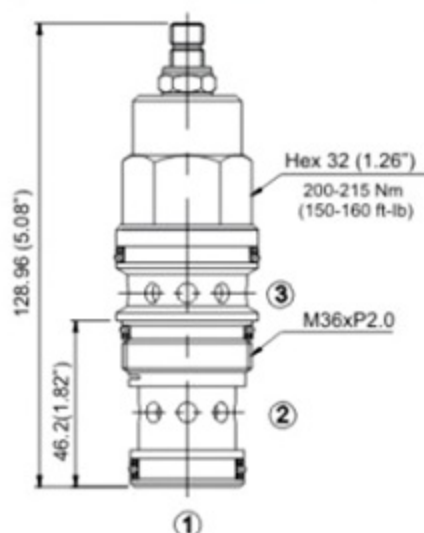
NONE	NONE: TOOL ADJUST 無：工具調整式	
K	K: HAND-BAR ADJUST K：手把調整式	

5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

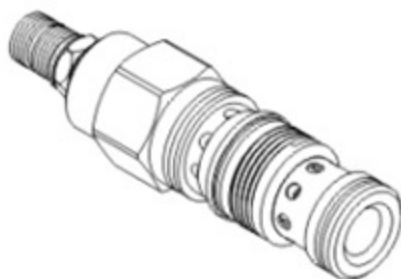


壓力控制閥 **PRESSURE CONTROL VALVES**

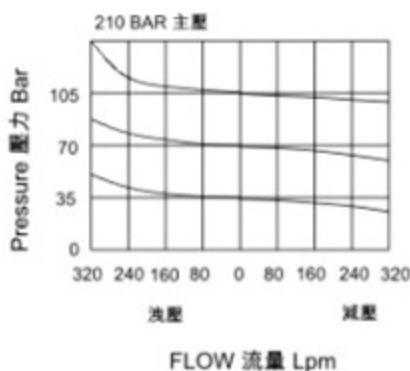
VRB 系列插入式平衡閥(導壓操作減壓閥) VRB SERIES CARTRIDGE BALANCE VALVES (Pilot Operated Reducing Relieving Valves)

◆ MODEL 型 式

VRB-10



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VRB-10	350 (5076psi)	320 (84.53gpm)	1.3 (2.87 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	

◆ HOW TO ORDER 編號說明

1	2	3	4	5
VRB	10	*	*	*

1 VALVE SERIES 系列名稱

VRB=CARTRIDGE BALANCE VALVES

(Pilot Operated Reducing/Relieving Valves)

插入式平衡閥(導壓操作減壓閥)

2 SUBPLATE MOUNTING SIZE 插口尺寸

10 :T-19A

Cavity 孔口:CST-19A

See Page Appendixes-A_007

見附錄 A_007 頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

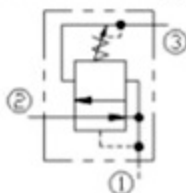
Order 編號	Adjustment pressure 壓力調整範圍
06	4 ~ 60 (bar)
10	4 ~ 105 (bar)
20	7 ~ 210 (bar)
30	10 ~ 315 (bar)

4 ADJUSTMENT OPTION 調整選擇

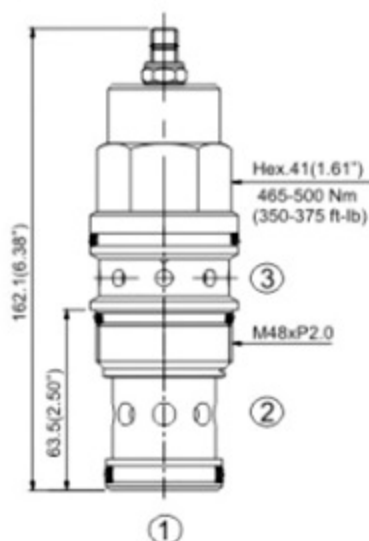
NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST 手把調整式	

5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



PRESSURE CONTROL VALVES 壓力控制閥

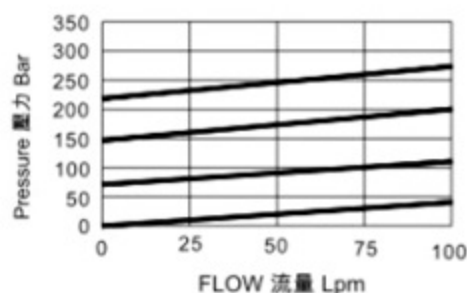
VRC SERIES CARTRIDGE TYPE RELIEF VALVES VRC 系列插入式調壓閥

◆ MODEL 型 式

VRC-01



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VRC-01	350 (5076 psi)	45 (11.89 gpm)	0.12 (0.26 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	

◆ HOW TO ORDER 編號說明

1	2	3	4
VRC	01	—	* *

1 VALVE SERIES 系列名稱

VRC= Cartridge Type Relief Valves
插入式調壓閥

2 SUBPLATE MOUNTING SIZE: 嵌母口徑

01: T-162A
Cavity 孔口: CST-162A
See Page Appendixes-A_008
見附錄A_008 頁面

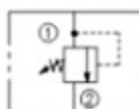
3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
10	0 ~ 105 (bar)
20	0 ~ 210 (bar)
40	0 ~ 420 (bar)

4 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	

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

