

MODEL 型 式



SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Cracking Pressure 彈簧壓力	Ratio Of Poppet Area 面積壓力比
LCV-16-※-※	315 (4500 psi)	130(34.34 gpm)	05:0.5	2:1
LCV-25-※-※		350(92.46 gpm)		
LCV-32-※-※		500(132.09 gpm)	20:2.0	
LCV-40-※-※		850(224.55 gpm)		
LCV-50-※-※		1400(369.85 gpm)	50:4.5	
LCV-63-※-※		2100(554.77 gpm)		
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
LCV	32	05	E	N

1 VALVE SERIES 系列名稱

LCV = Logic Valves

2 SUBPLATE MOUNTING SIZE: 插板口徑

3 CRACKING PRESSURE 彈簧壓力

05: 0.35 20: 2.0 50: 4.5

4 VALVE TYPE 閥型式

E: DIRECTIONAL CONTROL LOGIC VALVES
方向控制邏輯閥

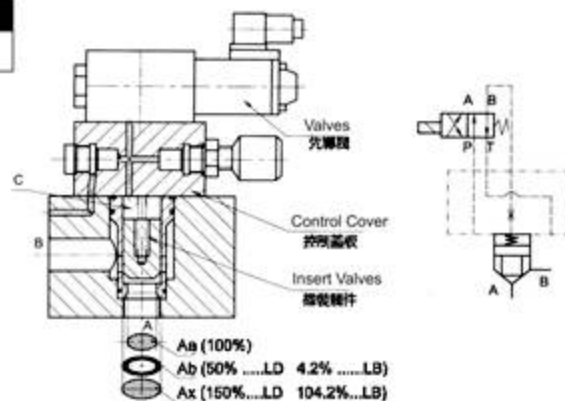
D: SHOCK LESS LOGIC VALVES
緩衝邏輯閥

B: RELIEF LOGIC VALVES
調壓邏輯閥

5 CONTROL TYPE 控制方式

N: NO Open 常開
NONE: NC Close 常閉

Base Construction 基本結構



LOGIC VALVES

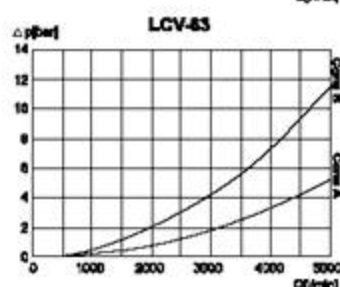
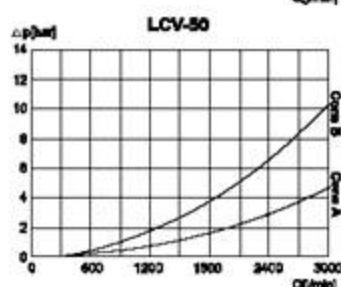
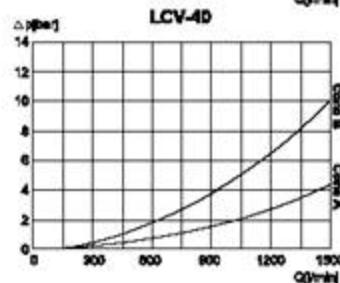
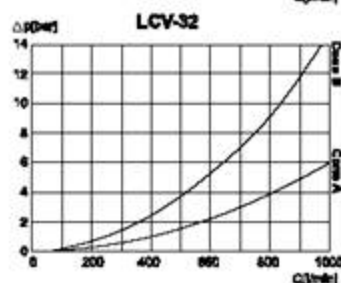
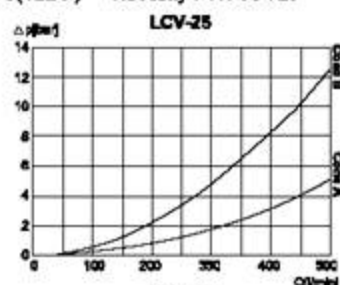
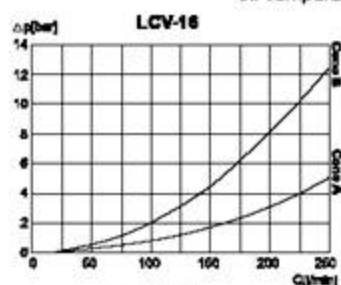
LCV SERIES

逻辑阀

◆ PERFORMANCE 性能曲线

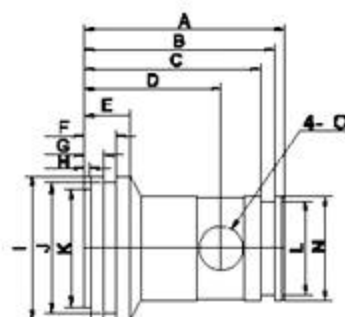
Check conditions: without spring 无弹簧状态

Oil Temperature 油温: 50°C (122°F) Viscosity 粘度: 35 cSt



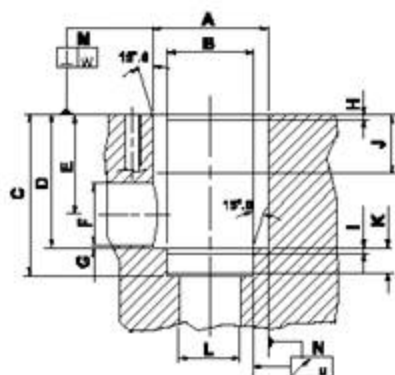
◆ DIMENSIONS 外形尺寸

LCV-※-※-※

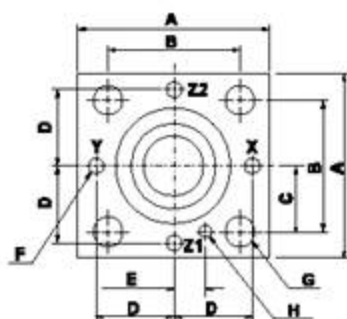


SIZE	A	B	C	D	E	F	G	H	I	J	K	L	N	O
16	56(2.20")	52(2.05")	46.5(1.83")	37(1.46")	18(0.63")	10.5(0.41")	7(0.28")	2.4(0.09")	32(1.26")	29.2(1.15")	23.7(0.93")	22.2(0.87")	25(0.98")	10(0.39")
25	72(2.83")	68(2.72")	62.8(2.48")	43(1.69")	18(0.63")	13.5(0.53")	8.8(0.35")	1.8(0.07")	45(1.77")	10.8(0.43")	37(1.46")	28.8(1.17")	34(1.34")	14(0.55")
32	85(3.35")	81(3.18")	74.8(2.94")	58(2.28")	20(0.79")	13.8(0.54")	8(0.31")	2.4(0.09")	60(2.38")	55(2.17")	47.5(1.87")	40.8(1.61")	45(1.77")	18(0.71")
40	105(4.13")	97(3.82")	90.8(3.57")	68.5(2.72")	24(0.94")	15.8(0.61")	10(0.39")	2.4(0.09")	75(2.95")	70(2.76")	62(2.44")	50.8(2")	55(2.17")	23.5(0.93")
50	122(4.8")	114(4.48")	107.8(4.24")	83(3.27")	20(0.79")	14.8(0.57")	9(0.35")	2.4(0.09")	90(3.54")	85(3.35")	78.3(3.07")	63.8(2.51")	68(2.68")	26(1.1")
63	155(6.10")	145.5(5.73")	134(5.28")	115(4.53")	27(1.06")	21(0.83")	12(0.47")	4.8(0.18")	120(4.72")	110(4.33")	94(3.7")	80(3.15")	90(3.54")	25(0.98")

F
LCV



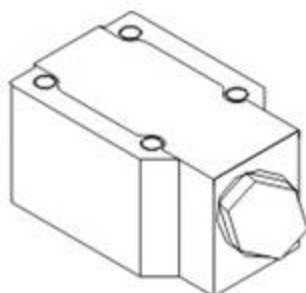
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N
16	32(1.26")	25(0.98")	96(2.29")	43(1.69")	34(1.34")	25(0.98")	0.5(0.02")	2.0(0.08")	2.0(0.08")	20(0.79")	11(0.43")	16(0.63")	0.05	0.03
25	45(1.77")	34(1.34")	72(2.83")	56(2.28")	44(1.73")	32(1.26")	1.0(0.04")	2.5(0.10")	2.5(0.10")	36(1.41")	12(0.47")	25(0.98")	0.05	0.03
32	80(2.36")	45(1.77")	85(3.35")	70(2.76")	52(2.05")	40(1.57")	1.5(0.06")	2.5(0.10")	2.5(0.10")	30(1.18")	13(0.51")	32(1.26")	0.1	0.03
40	75(2.95")	55(2.17")	105(4.13")	87(3.43")	64(2.52")	50(1.97")	2.5(0.98")	3(0.12")	3(0.12")	30(1.18")	15(0.59")	40(1.57")	0.1	0.05
60	90(3.5")	66(2.60")	122(4.80")	100(3.94")	72(2.83")	63(2.48")	2.5(0.98")	4(0.16")	3.2(0.13")	35(1.38")	17(0.67")	50(1.97")	0.1	0.05
63	120(4.72")	90(3.54")	156(6.10")	130(5.12")	95(3.74")	80(3.15")	3(0.12")	4(0.16")	4(0.16")	44(1.73")	20(0.79")	63(2.48")	0.2	0.05



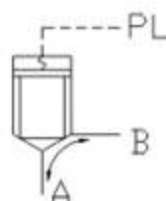
SIZE	A	B	C	D	E	F	G	H
18	86(2.66")	48(1.81")	23(0.91")	25(0.98")	10.6(0.41")	4(0.16")	M6	4 PIN
25	85(3.33")	56(2.26")	28(1.14")	33(1.30")	16(0.63")	6(0.24")	M12	6 PIN
32	102(4.02")	70(2.76")	35(1.38")	41(1.61")	17(0.67")	8(0.31")	M16	6 PIN
40	125(4.92")	85(3.35")	42.5(1.67")	50(1.97")	23(0.91")	10(0.39")	M20	6 PIN
50	140(5.51")	100(3.94")	50(1.97")	58(2.28")	30(1.18")	10(0.39")	M20	8 PIN
63	180(7.09")	126(4.92")	50(1.97")	75(1.89")	38(1.54")	12(0.98")	M20	8 PIN

◆ MODEL 型 式

LPC-03G



◆ 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
LPC-03G	210 (3046 psi)	100 (25.2 gpm)	3(6.61 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
LPC	03	G

3 CONNECTING TYPE 連接型式

G:TYPE:BASEPLATE MOUNTING TYPE (板式連接)

1 VALVE SERIES 系列名稱

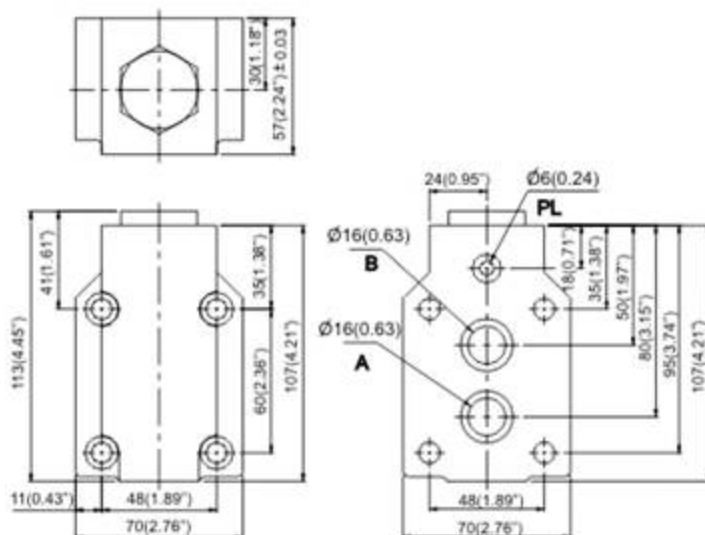
LPC= Logic Valves
邏輯閥

2 PORTING 端口

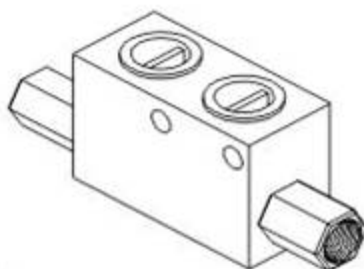
03: 3/8

OPENING PRESSURE 開關壓力 bar	
A → B	A → B
0.6 (bar)	0.8 (bar)

◆ DIMENSIONS 外型尺寸圖



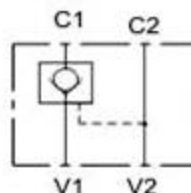
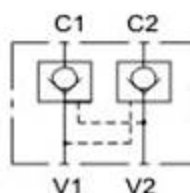
◆ **MODEL 型 式**
PCK



◆ **CONTROL PORT(S) 動作形式**

Standard
標準型

Single Check
單邊止逆



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
PCK-02	320 (4641 psi)	4 : 1	15 (3.96 gpm)	0.65 (1.43 lbs)
PCK-03			35 (9.25 gpm)	0.65 (1.43 lbs)
PCK-04			50 (13.21 gpm)	1.40 (3.09 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
PCK	02	*

1 VALVE SERIES 系列名稱

PCK = Pilot Operated Check Valves
引導式止逆閥

2 PORTING 接口

02 : G1/4"
03 : G3/8"
04 : G1/2"

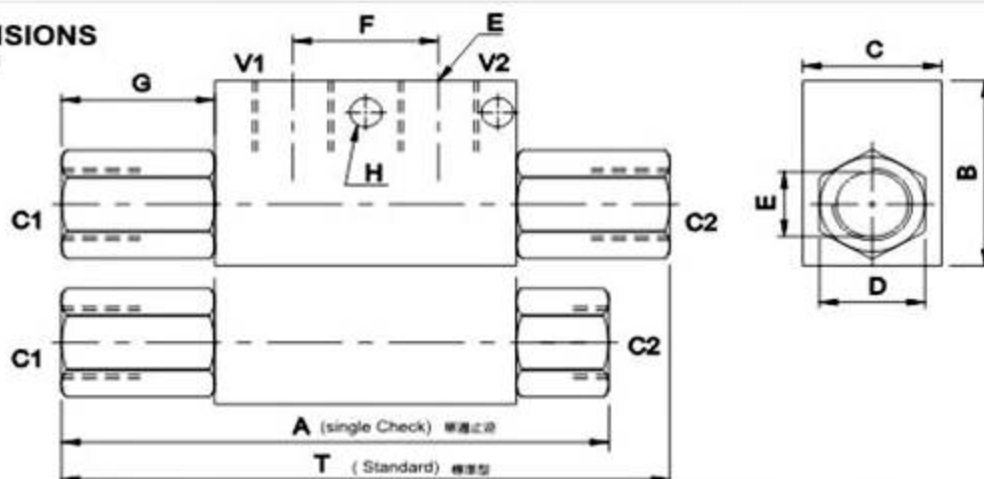
3 CHECK TYPE 止逆型式

Non : Standard 無記憶·標準型

A : Single Check 單邊止逆

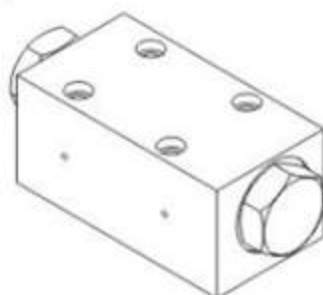
※ Control port(s) please refer above.
參考動作形式

◆ **DIMENSIONS 外型尺寸圖**

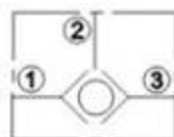


Model 型式	Size 尺寸	A	B	C	D	E	F	G	H	T
PCK-02		111 (4.37")	43 (1.69")	29 (1.18")	22 (0.87")	G1/4"	30 (1.18")	28 (1.10")	∅5.5 (0.21")	120 (4.72")
PCK-03		117 (4.60")	43 (1.69")	29 (1.14")	22 (0.87")	G3/8"	30 (1.18")	32 (1.26")	∅5.5 (0.21")	128 (5.04")
PCK-04		154 (6.06")	60 (2.36")	40 (1.57")	32 (1.26")	G1/2"	41 (1.61")	42 (1.65")	∅8.5 (0.33")	174 (6.85")

◆ **MODEL 型 式**
SH-02G



◆ **CONTROL PORT(S) 動作形式**



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
SH-02G	250 (3626 psi)	1/4"	20 (5.28 gpm)	1.08(2.38 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**

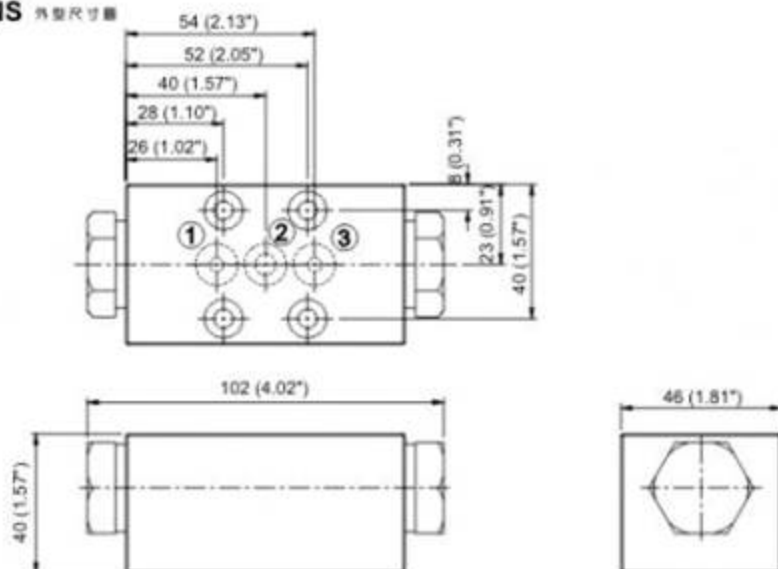
1	2	3
SH	02	G

1 VALVE SERIES 系列名稱
SH = Shuttle Valves
換向閥

2 SUBPLATE MOUNTING SIZE: 換向口徑
02=1/2"

3 CONNECTING TYPE 連接型式
G: TYPE-BASEPLATE MOUNTING TYPE
G: (板式連接)

◆ **DIMENSIONS 外型尺寸圖**

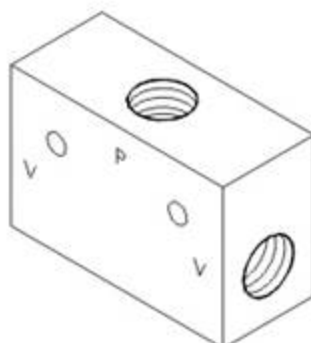


DIRECTIONAL VALVES

SH SERIES SHUTTLE VALVES SH 換

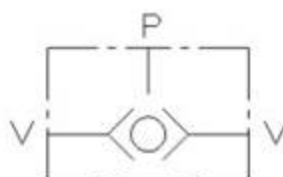
◆ MODEL

SH-03T



◆ CONTROL PORT(S)

1



◆ SPECIFICATIONS 目 印

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
SH-03T	70 (1015 psi)	25 (6.61 gpm)	0.8 (1.76 bs)
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 _{0.5} ≥75, Under NAS Class 12,25μ	

◆ HOW TO ORDER

1	2	3
SH	— 03	T

1 VALVE SERIES

SH = SHUTTLE VALVE
往動閥

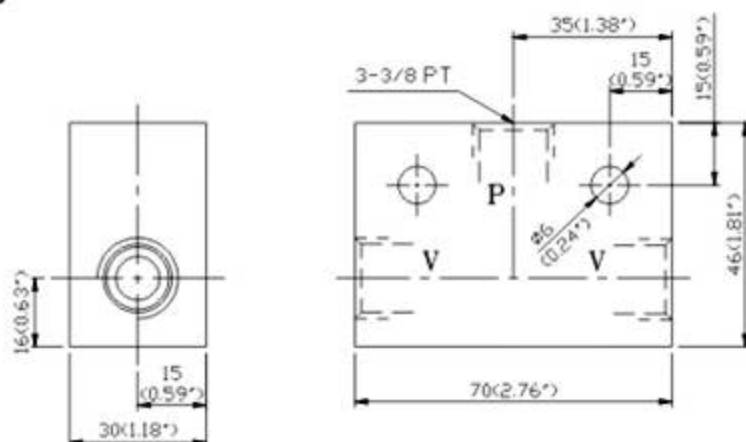
3 CONNECTING TYPE 接頭

T:TYPE:THREADING TYPE (螺紋連接)

2 SUBPLATE MOUNTING SIZE 安裝尺寸

03T = 3/8"

◆ DIMENSIONS



◆ **MODEL 型号**
VCA-02



◆ **CONTROL PORT(S) 操作形式**



◆ **SPECIFICATIONS 规格**

Model Number 型号规格	Operating Pressure 操作压力 bar	Cracking 压力 kg/cm ²	Flow 流量 lpm	Weight 重量 Kg
VCA-02	250 (3626psi)	0.3~3.0	30 (7.93 gpm)	0.2 (0.45 lbs)
VCA-03			80 (21.13 gpm)	0.3 (0.68 lbs)
VCA-06			160 (42.27 gpm)	0.5 (1.13 lbs)
VCA-10			220 (58.12 gpm)	0.6 (1.4 lbs)
VCA-12			400 (105.67 gpm)	1.67 (3.68 lbs)
Fluid Type 流体型式			ISO VG 32 , 46 , 68	
Viscosity 黏性 cSt			10~400 (59~1854 SSU)	
Operating Temperature 操作温度 °C			-15~70 (-5~158°F)	
Contamination Level 污染等级			ISO4406. 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 订货说明**

1	2	3	4
VCA	03	A	10

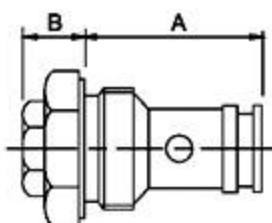
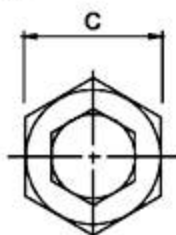
1 VALVE SERIES 系列名称
VCA= CARTRIDGE CHECK VALVES
插入式止回阀

2 SUBPLATE MOUNTING SIZE 螺母口径
02(1/4), 03(2/4), 06(3/4), 10(1 1/4)

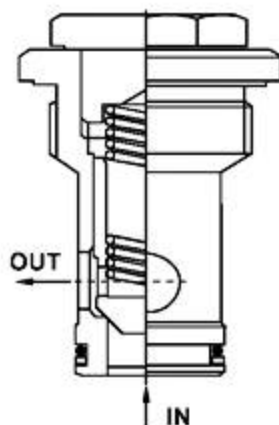
3 CRACKING 压力
A: 0.3kg/cm²
B: 1kg/cm² C: 5kg/cm²

4 DESIGN NO 设计编号

◆ **DIMENSIONS 外型尺寸**



Model 型号	A	B	C
VCA-02	35	24	26
VCA-03	48	15	41
VCA-06	60	16	50
VCA-10	84	28	70
VCA-12	84	29	72



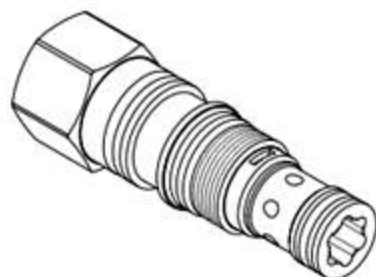
VCA SERIES CARTRIDGE CHECK VALVES VCA 系列插入式止回阀



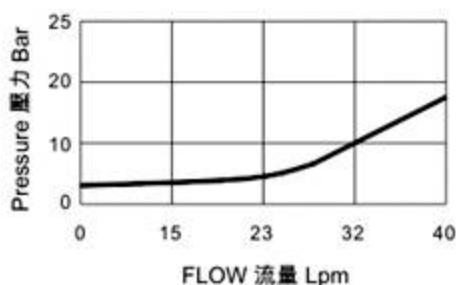
DIRECTIONAL VALVES 方向閥

VCK SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VCK 系列插入引導止逆閥

◆ MODEL 型 式 VCK-01



◆ PERFORMANCE 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	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VCK-01	350 (5076 psi)	3:1 / 4:1	30 (7.92 gpm)	0.13 (0.29 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
VCK	01	3A	20

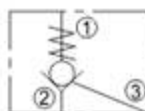
- 1 VALVE SERIES 系列名稱**
VCK= CARTRIDGE PILOT OPERATED CHECK VALVES
插入式引導止逆閥

- 2 SUBPLATE MOUNTING SIZE: 稱呼口徑**
01:T-163A
Cavity 孔口:CST-163A
See Page Appendixes-A_008
見附錄A_008頁面

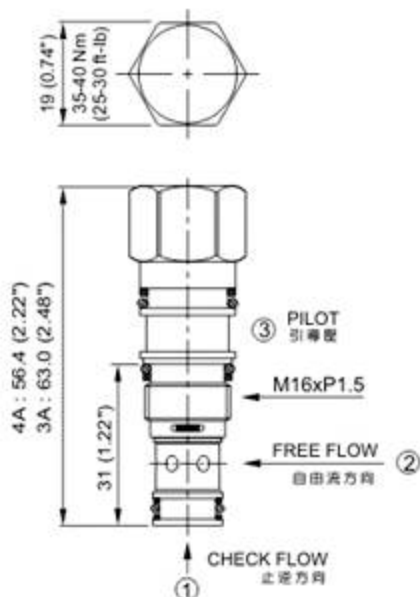
- 3 PILOT RATIO 引導比例**
3A : 3 : 1
4A : 4 : 1

- 4 BIAS SPRING 閥芯壓力**
20 : 2 bar(29psi)
35 : 3.5 bar(51psi)

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



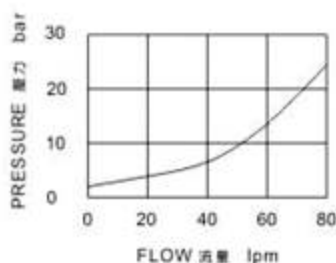
◆ **MODEL 型 式**

VCK-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	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VCK-02	350 (5076 psi)	3:1 / 5:1	60 (15.85 gpm)	0.13 (0.29 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
VCK	02	3A

1 VALVE SERIES 系列名稱

VCK = CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

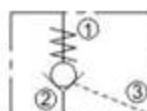
2 SUBPLATE MOUNTING SIZE: 軸穿口徑

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

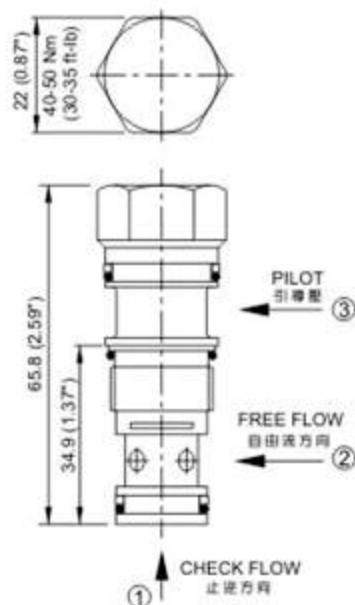
3 PILOT RATIO 引導比例

3A : 3:1
5A : 5:1

◆ **CONTROL PORT(S) 動作形式**



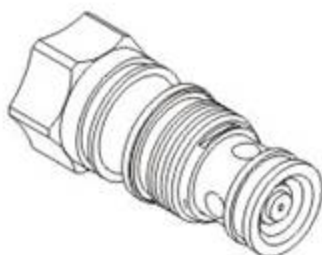
◆ **DIMENSIONS 外型尺寸圖**



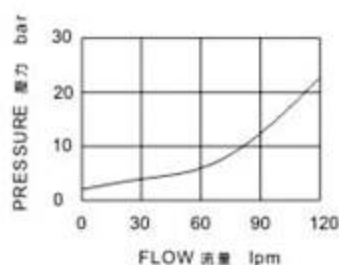
DIRECTIONAL VALVES 方向閥

VCK SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VCK 系列插入引導止逆閥

◆ MODEL 型 式 VCK-03



◆ 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	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VCK-03	350 (5076 psi)	3:1	120 (31.7 gpm)	0.23 (0.51 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		ISO4406, 21/19/16 NAS1638,10		

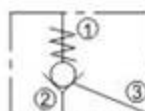
◆ HOW TO ORDER 編號說明

1	2
VCK	03

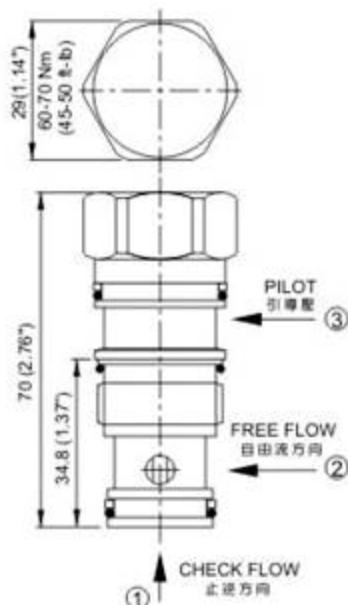
1 VALVE SERIES 系列名稱
VCK= CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

2 SUBPLATE MOUNTING SIZE: 嵌接口徑
03 : T-2A
Cavity 孔口 : CST-2A
See Page Appendixes-A_006
見附錄A_006 頁數

◆ CONTROL PORT(S) 動作形式

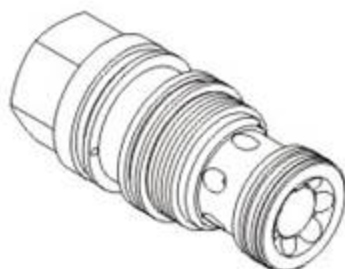


◆ DIMENSIONS 外型尺寸圖



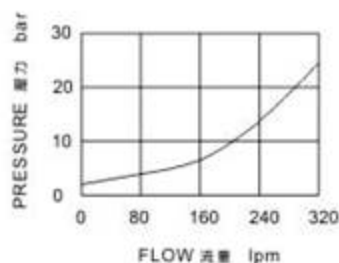
◆ **MODEL 型 式**

VCK-06



◆ **PERFORMANCE (Cartridge Only)**

特性曲線



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VCK-06	350 (5076 psi)	3:1	200 (52.83 gpm)	0.53 (1.18 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
VCK	06

1 VALVE SERIES 系列名稱

VCK= CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

2 PORTING 端口

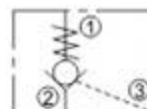
06 : T-17A

Cavity 孔口 : CST-17A

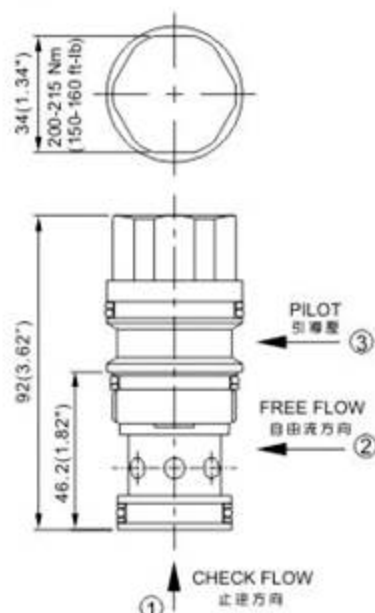
See Page Appendixes-A_007

見附錄A_007 圖表

◆ **CONTROL PORT(S) 動作形式**



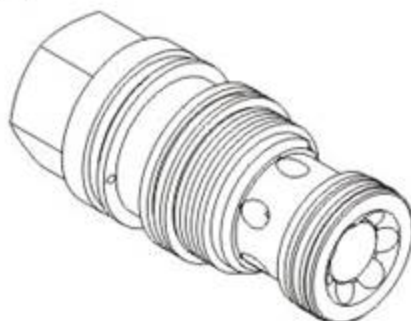
◆ **DIMENSIONS 外型尺寸圖**



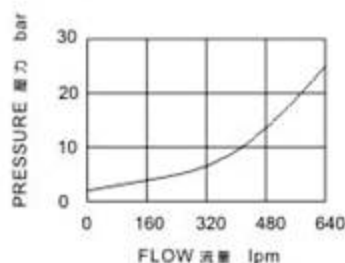
DIRECTIONAL VALVES 方向閥

VCK SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VCK 系列插入引導止逆閥

◆ MODEL 型 式 VCK-10



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VCK-10	350 (5076 psi)	3:1	460 (121.52 gpm)	1.18 (2.61 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		

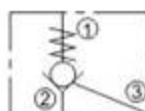
◆ HOW TO ORDER 編號說明

1	2
VCK	10

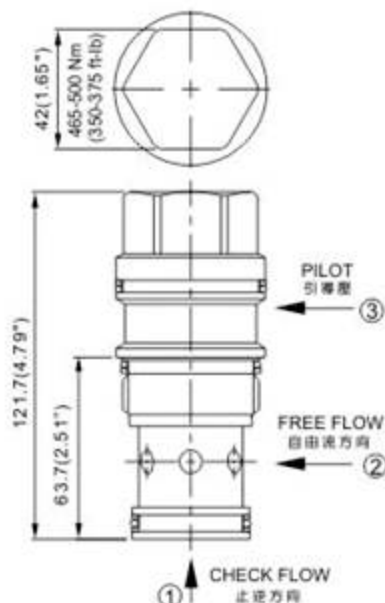
- 1 VALVE SERIES 系列名稱**
VCK= CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

- 2 PORTING 端口**
10 : T-19A
Cavity 孔口 : CST-19A
See Page Appendixes-A_007
見附錄A_007 頁碼

◆ CONTROL PORT(S) 動作形式

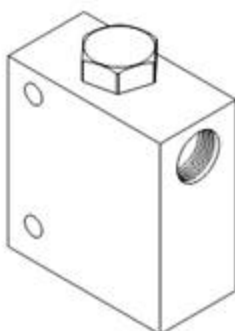


◆ DIMENSIONS 外型尺寸圖

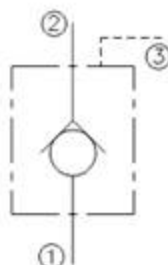


◆ **MODEL** 型 式

VCKD-02



◆ **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	Pilot Ratio 引導比例	Weight 重量 Kg
VCKD-02	350 (5076 psi)	60 (15.85 gpm)	3:1	1.28 (2.82 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
VCKD	02	*	*	*

1 VALVE SERIES 系列名稱

VCKD= Cartridge Pilot Operated Check Valves
插入式引導止逆閥

2 SUBPLATE MOUNTING SIZE 編碼口徑

02

3 PORTS DIMENSIONS 接口尺寸

A: 3/8
B: 1/2



Body Material 閥體材料	Maximum Pressure 最大壓力 bar	Weight 重量 Kg
Aluminum (standard) 鋁 (標準)	240 (3481 psi)	0.56 (1.23 lbs)
Steel 鋼	350 (5076 psi)	1.28 (2.82 lbs)

4 THREADED TYPE 螺紋規格

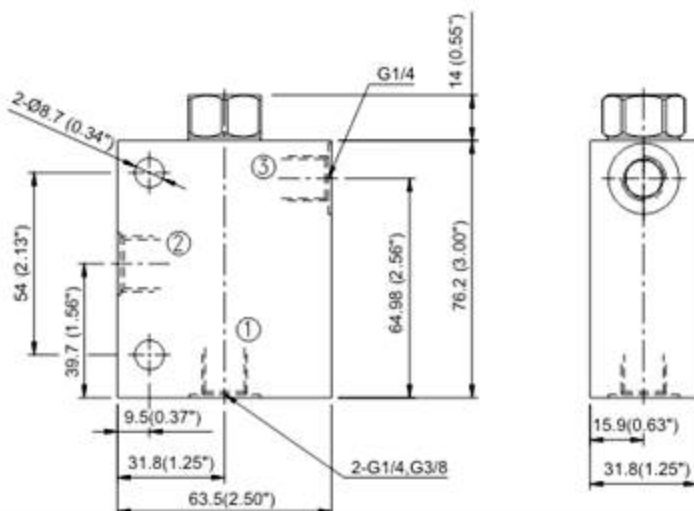
1P : PT 3G : PF(G) 5B : BSP
2N : NPT 4A : SAE

5 BODY MATERIAL 閥體材質

A : Aluminum 鋁合金
S : Steel 鋼

◆ **DIMENSIONS**

外型尺寸圖

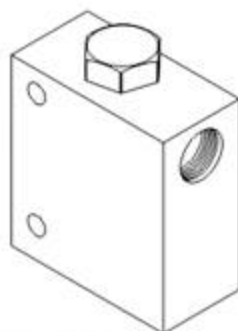


DIRECTIONAL VALVES 方向閥

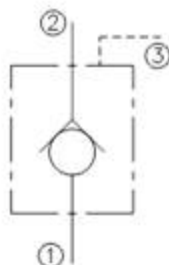
VCKD SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VCKD系列插入式引導止逆閥

◆ MODEL 型 式

VCKD-03



◆ 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	Pilot Ratio 引導比例	Weight 重量 Kg
VCKD-03	350 (5076 psi)	120 (31.70 gpm)	3:1	2.03 (4.48 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
VCKD	03	— *	— *	— *

1 VALVE SERIES 系列名稱

VCKD= Cartridge Pilot Operated Check Valves
插入式引導止逆閥

2 SUBPLATE MOUNTING SIZE 編碼口徑

03: 1/2

3 PORTS DIMENSIONS 接口尺寸

A: 3/4

B: 1/2



Body Material 閥體材料	Maximum Pressure 最大壓力 bar	Weight 重量 Kg
Aluminum (standard) 鋁 (標準)	240 (3481 psi)	0.86 (1.9 lbs)
Steel 鋼	350 (5076 psi)	2.03 (4.48 lbs)

4 THREADED TYPE 螺紋規格

1P: PT 3G: PF(G) 5B: BSP

2N: NPT 4A: SAE

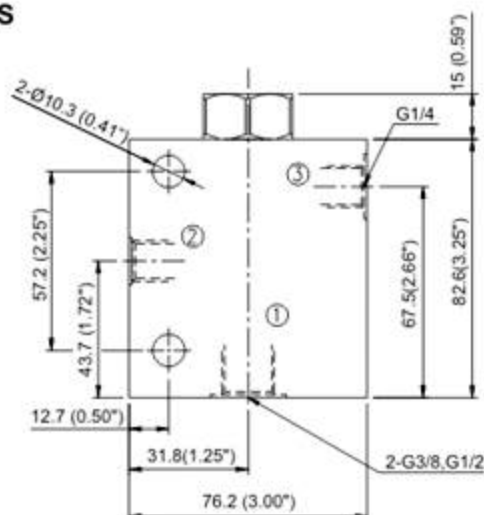
5 BODY MATERIAL 閥體材質

A: Aluminum 鋁合金

S: Steel 鋼

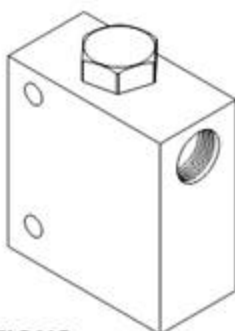
◆ DIMENSIONS 外型尺寸圖

外型尺寸圖

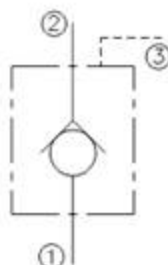


◆ **MODEL** 型 式

VCKD-06



◆ **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	Pilot Ratio 引導比例	Weight 重量 Kg
VCKD-06	350 (5076 psi)	200 (52.83 gpm)	3:1	5.24 (11.55 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
VCKD	06	*	*	*



Body Material 閥體材料	Maximum Pressure 最大壓力 bar	Weight 重量 Kg
Aluminum (standard) 鋁 (標準)	240 (3481 psi)	2.29 (5.05 lbs)
Steel 鋼	350 (5076 psi)	5.24 (11.55 lbs)

1 VALVE SERIES 系列名稱

VCKD= Cartridge Pilot Operated Check Valves
插入式引導止逆閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

06: 3/4

3 PORTS DIMENSIONS 接口尺寸

A: 1"

B: 3/4

4 THREADED TYPE 螺紋規格

1P : PT 3G : PF(G) 5B : BSP

2N : NPT 4A : SAE

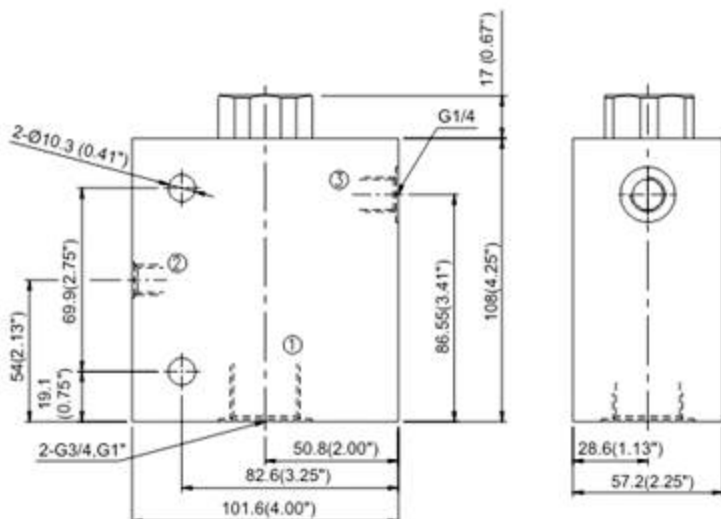
5 BODY MATERIAL 閥體材質

A : Aluminum 鋁合金

S : Steel 鋼

◆ **DIMENSIONS**

外型尺寸圖

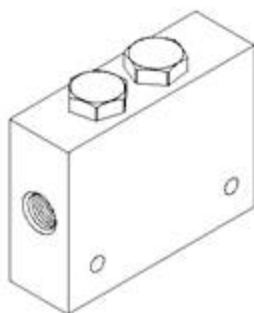


DIRECTIONAL VALVES 方向閥

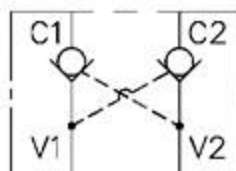
VCKL SERIES PILOT OPERATED CHECK VALVES VCKL系列引導式止回閥

◆ MODEL 型 式

VCKL-02



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VCKL-02	350 (5076 psi)	3:1	60 (15.85 gpm)	2.1 (4.63 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
VCKL	02	— *	— *

1 VALVE SERIES 系列名稱

VCKL= PILOT OPERATED CHECK VALVES
引導式止回閥

2 SUBPLATE MOUNTING SIZE 副板口徑

02

3 PORTS DIMENSIONS 接口尺寸

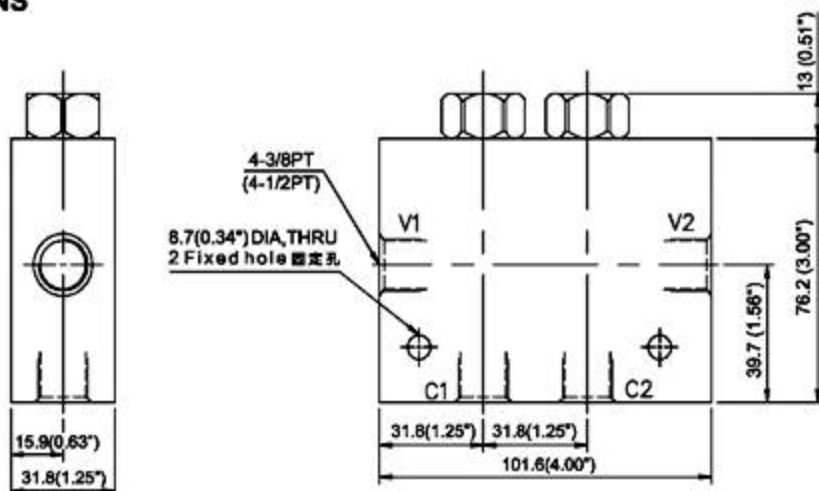
A: 3/8
B: 1/2

4 THREADED TYPE 螺紋規格

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

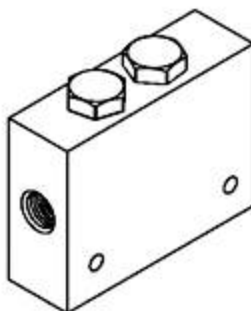
◆ DIMENSIONS 外型尺寸圖

外型尺寸圖

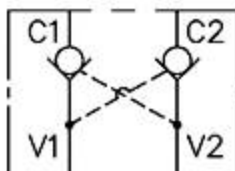


◆ **MODEL 型 式**

VCKL-03



◆ **CONTROL PORT(S) 操作形式**



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VCKL-03	350 (5076 psi)	3:1	120 (31.70 gpm)	3.15 (6.94 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
VCKL	03	— *	— *

1 VALVE SERIES 系列名稱

VCKL= PILOT OPERATED CHECK VALVES
引導式止回閥

2 SUBPLATE MOUNTING SIZE 安裝口徑

03: 1/2

3 PORTS DIMENSIONS 接口尺寸

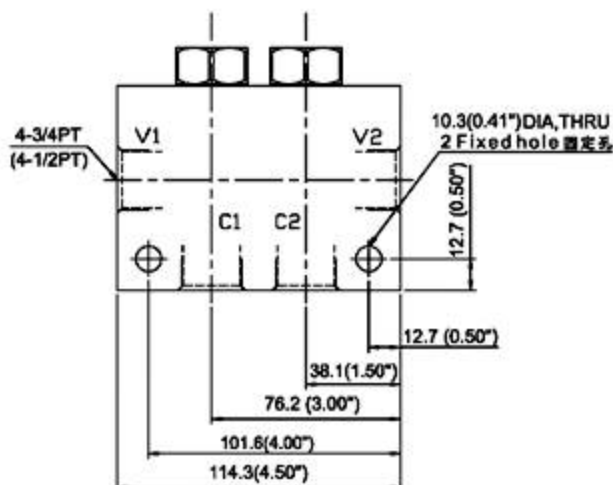
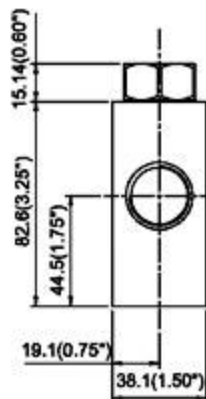
A: 3/4
B: 1/2

4 THREADED TYPE 螺紋規格

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

◆ **DIMENSIONS**

外型尺寸圖

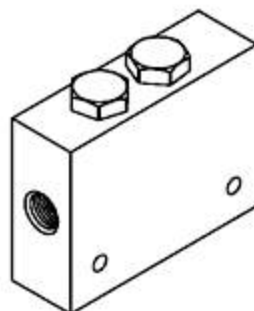


DIRECTIONAL VALVES 方向閥

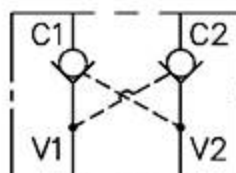
VCKL SERIES PILOT OPERATED CHECK VALVES VCKL系列引導式止回閥

◆ MODEL 型 式

VCKL-06



◆ CONTROL PORT(S) 操作形式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VCKL-06	350 (5076 psi)	3:1	200 (52.83 gpm)	8.25 (18.19 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 購買說明

1	2	3	4
VCKL	06	*	*

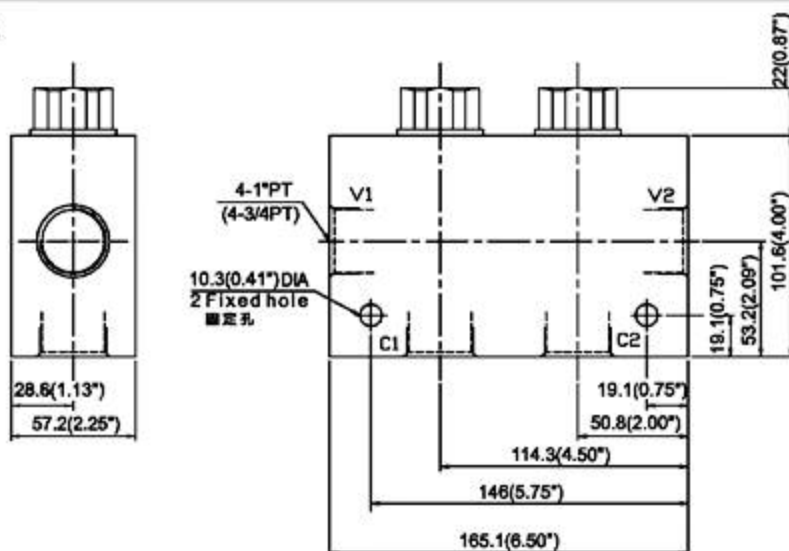
- 1 VALVE SERIES 系列名稱**
VCKL= PILOT OPERATED CHECK VALVES
引導式止回閥

- 2 SUBPLATE MOUNTING SIZE 基準口徑**
06: 3/4

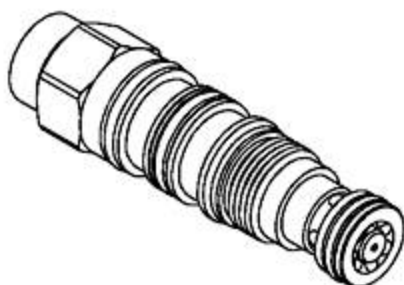
- 3 PORTS DIMENSIONS 接口尺寸**
A: 1"
B: 3/4

- 4 THREADED TYPE 螺紋規格**
1P: PT 3G: PF(G) 5B: BSP
2N: NPT 4A: SAE

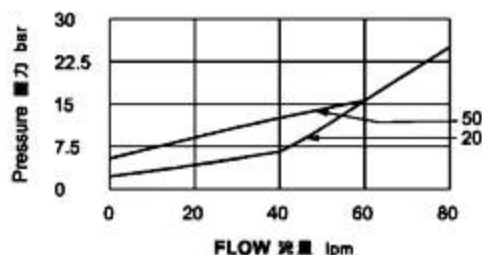
◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 圖式**
VCKV-02



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



◆ **SPECIFICATIONS 規格**

Model Number 圖式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VCKV-02	350 (5076 psi)	60 (15.85 gpm)	0.20 (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**

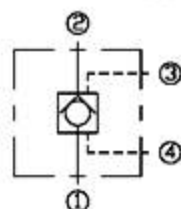
1	2	3
VCKV	02	*

- 1 VALVE SERIES 系列名稱**
VCKV = CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

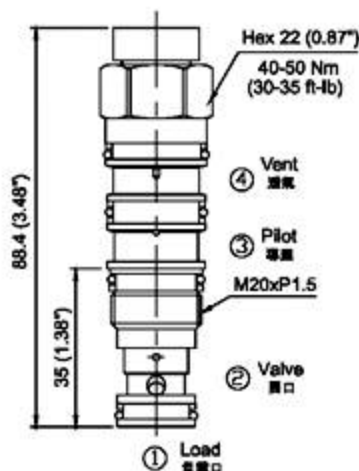
- 2 SUBPLATE MOUNTING SIZE 端接口徑**
02 : T-21A
Cavity 孔口: CST-21A
See Page Appendixes-A_009
見附錄A_009頁圖

- 3 BIAS SPRING 偏壓壓力**
20 : 2 bar (29psi)
50 : 5 bar (73psi)

◆ **CONTROL PORT(S) 動作形式**



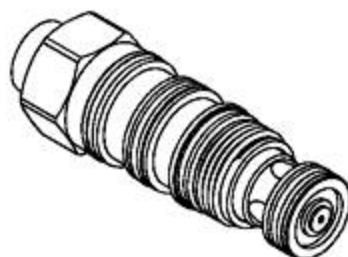
◆ **DIMENSIONS 外觀尺寸圖**



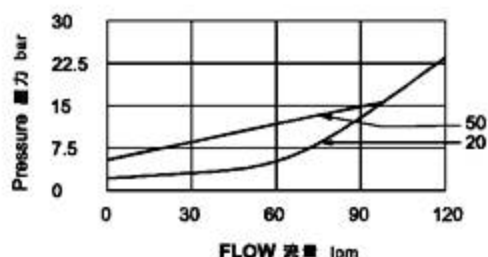
DIRECTIONAL VALVES 方向閥

VCKV SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VCKV系列插入式引導止逆閥

◆ MODEL 型 式 VCKV-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
VCKV-03	350 (5076 psi)	120 (31.70 gpm)	0.32 (0.71 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

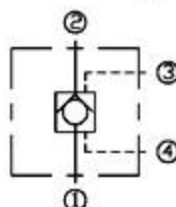
1	2	3
VCKV	03	*

- 1 VALVE SERIES 系列名稱**
VCKV = CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

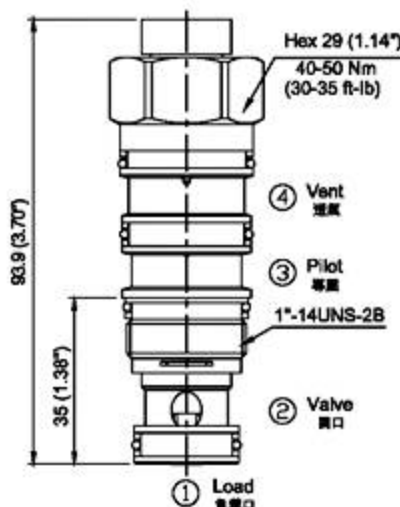
- 2 SUBPLATE MOUNTING SIZE 副牌口徑**
03 : T-22A
Cavity 孔口: CST-22A
See Page Appendixes-A_009
參閱圖A_009頁圖

- 3 BIAS SPRING 調整壓力**
20 : 2 bar (29psi)
50 : 5 bar (73psi)

◆ CONTROL PORT(S) 動作形式



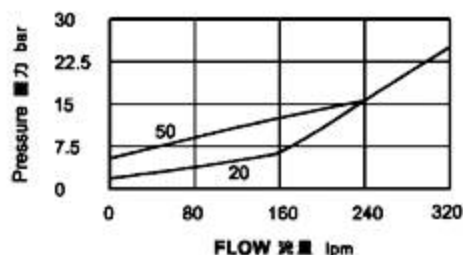
◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 圖式**
VCKV-06



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



◆ **SPECIFICATIONS 規格**

Model Number 圖式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VCKV-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 訂購說明**

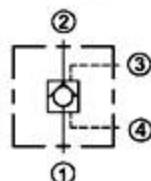
1	2	3
VCKV	06	*

- 1 VALVE SERIES 系列名稱**
VCKV = CARTRIDGE PILOT OPERATED CHECK VALVES
插入式引導止逆閥

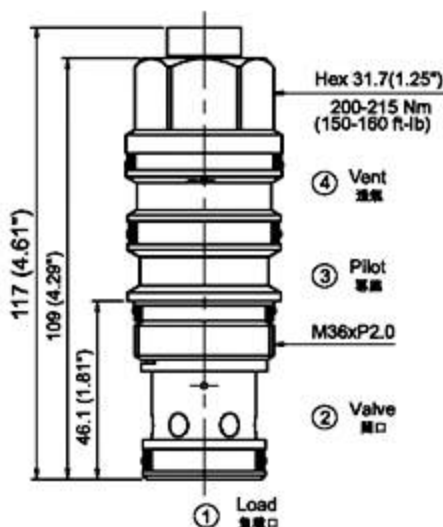
- 2 SUBPLATE MOUNTING SIZE 板厚口徑**
06 : T-23A
Cavity 孔口: CST-23A
See Page Appendixes-A_009
見附錄A_009頁面

- 3 BIAS SPRING 調整壓力**
05 : 0.3 bar (4 psi)
20 : 2.0 bar (29 psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外觀尺寸圖**



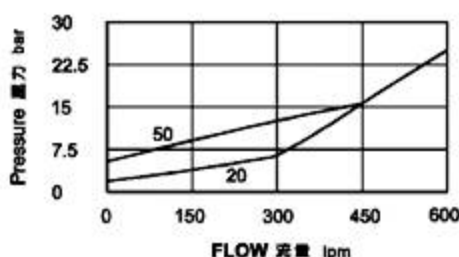
DIRECTIONAL VALVES 方向閥

VCKV SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VCKV系列插入式引射止回閥

◆ MODEL 型 式 VCKV-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
VCKV-10	350 (5076 psi)	420 (83.40 gpm)	16 (3.53lbs)
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
VCKV	10	*

1 VALVE SERIES 系列名稱

VCKV = CARTRIDGE PILOT OPERATED
CHECK VALVES
插入式引射止回閥

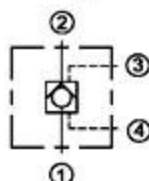
2 SUBPLATE MOUNTING SIZE 副板口徑

10 : T-24A
Cavity 孔口: CST-24A
See Page Appendixes-A_010
見附圖A_010頁圖

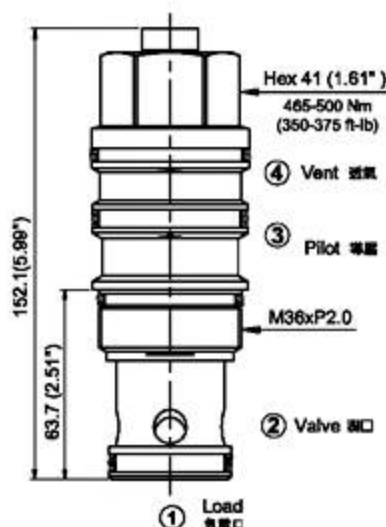
3 BIAS SPRING 調整壓力

05 : 0.3 bar (4 psi)
20 : 2.0 bar (29 psi)

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



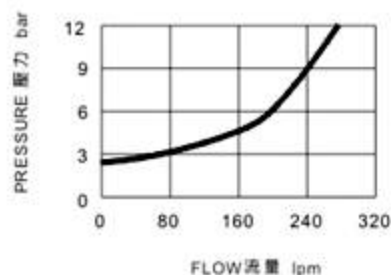
◆ **MODEL 型 式**

VCN-06



◆ **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
VCN-06	350 (5076 psi)	240 (63.40 gpm)	0.63 (1.39 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
VCN	06	— 05

1 VALVE SERIES 系列名稱

VCN= Check Valves With Bypass Orifice
止逆閥附旁通節流

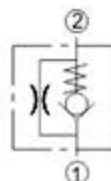
2 PORTING 端口

06: T-16A
Cavity 孔口: CST-16A
See Page Appendixes-A_007
見附錄A_007 頁面

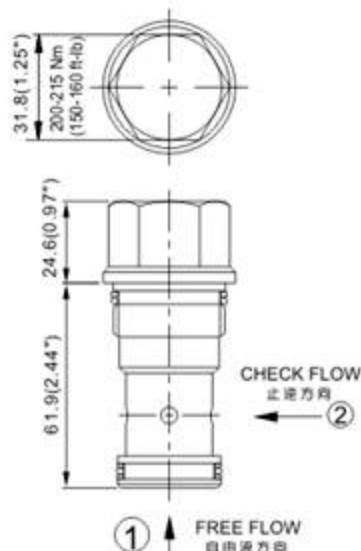
3 BIAS SPRING 偏置壓力

05: 0.35 bar (5psi)
20: 2 bar (29psi)
50: 5 bar (73psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

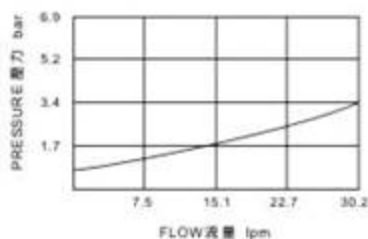


◆ **MODEL** 型 式

VCV-08



◆ **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
VCV-08	350 (5076 psi)	30 (7.93 gpm)	0.06 (0.13 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
VCV	08	—	05 — 10

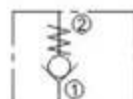
1 VALVE SERIES 系列名稱
VCV= Check Valves 止逆閥

2 SUBPLATE MOUNTING SIZE 編碼口徑
Size:08
Cavity 孔口:CS08-2N
See Page Appendixes-A_001
見附錄A_001 頁數

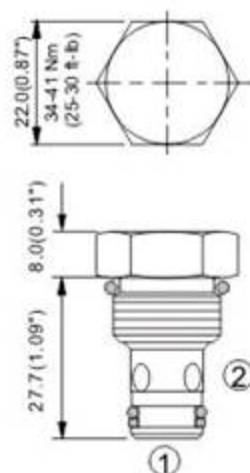
3 BIAS SPRING 偏置壓力
05 : 0.5 bar (7psi)
20 : 2 bar (29psi)
50 : 4 bar (58psi)

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖

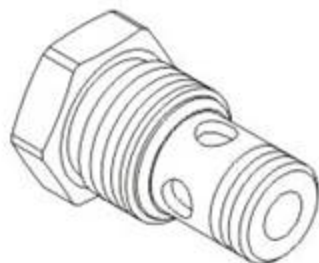


DIRECTIONAL VALVES 方向閥

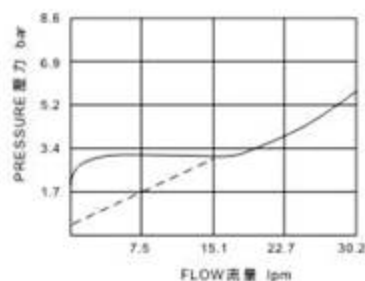
VCV SERIES CHECK VALVES VCV 系列止回閥

◆ MODEL 型 式

VCV-08-**-21



◆ 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
VCV-08-**-21	250 (3626psi)	30 (7.93 gpm)	0.06 (0.13 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
VCV	08	—	20 — 21

1 VALVE SERIES 系列名稱

VCV= Check Valves 止回閥

2 SUBPLATE MOUNTING SIZE 插板口徑

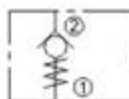
Size: 08
Cavity 孔口 CS08-2N
See Page Appendixes-A_001
見附錄A_001 頁數

3 BIAS SPRING 偏壓壓力

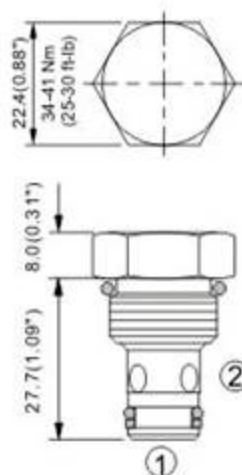
20 : 2 bar (29psi)

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



DIRECTIONAL VALVES 方向閥

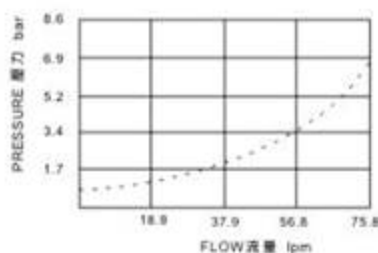
VCV SERIES CHECK VALVES VCV 系列止逆閥

◆ MODEL 型 式

VCV-10



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型 式 號	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VCV-10	350 (5076psi)	75 (19.81 gpm)	0.08 (0.18 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
VCV	10	— 05 —	10

1 VALVE SERIES 系列名稱

VCV= Check Valves 止逆閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

Size:10

Cavity 孔口:CS10-2N

See Page Appendixes-A_001

見附錄A_001 頁圖

3 BIAS SPRING 偏置壓力

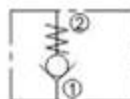
05 : 0.3bar(4psi)

20 : 2 bar (29psi)

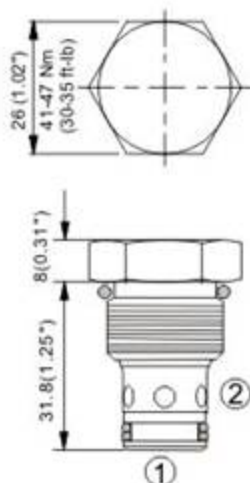
50 : 4 bar (58psi)

4 DESIGN NO 設計編號

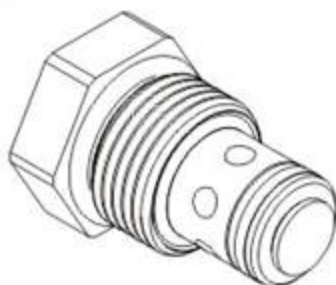
◆ CONTROL PORT(S) 動作形式



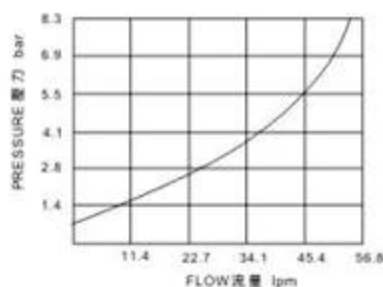
◆ DIMENSIONS 外型尺寸圖



◆ **MODEL** 型 式
VCV-10-* -21



◆ **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
VCV-10-* -21	250 (3626 psi)	50 (13.21 gpm)	0.1 (0.22 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
VCV	10	*	21

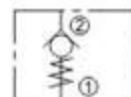
1 VALVE SERIES 系列名稱
VCV= Check Valves 止逆閥

2 SUBPLATE MOUNTING SIZE 板厚口徑
Size: 10
Cavity 孔口: CS10-2N
See Page Appendixes-A_001
見附錄A_001 頁數

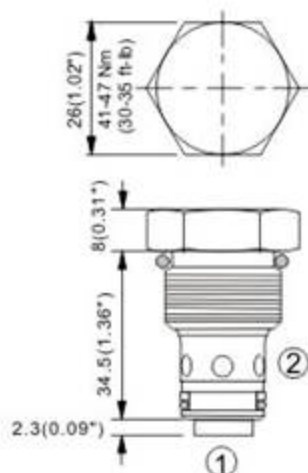
3 BIAS SPRING 兩端壓力
05 : 0.3 bar (4psi)
20 : 1.7 bar (25psi)
50 : 3.9 bar (55psi)

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖



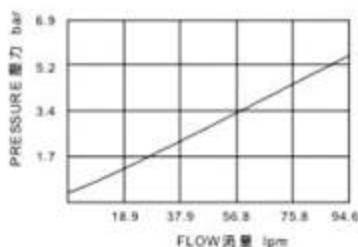
◆ **MODEL** 型 式

VCV-12



◆ **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
VCV-12	350 (5076psi)	94 (24.83 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
VCV	12	05	10

1 **VALVE SERIES** 系列名稱

VCV= Check Valves 止逆閥

2 **SUBPLATE MOUNTING SIZE** 插孔口徑

Size: 12
Cavity 孔口: CS12-2N
See Page Appendixes-A_001
見附錄A_001 頁面

3 **BIAS SPRING** 偏置壓力

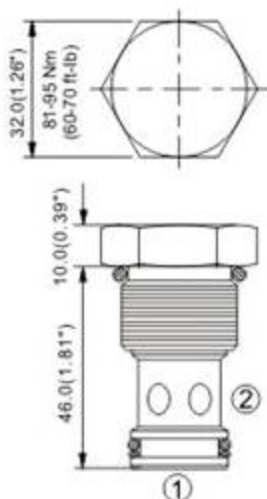
05 : 0.5 bar (7psi)
20 : 2 bar (29psi)
50 : 4 bar (58psi)

4 **DESIGN NO** 設計編號

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖

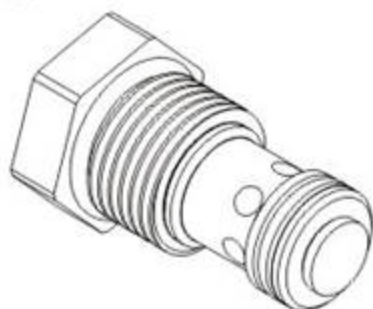


DIRECTIONAL VALVES 方向閥

VCV SERIES CHECK VALVES VCV 系列止逆閥

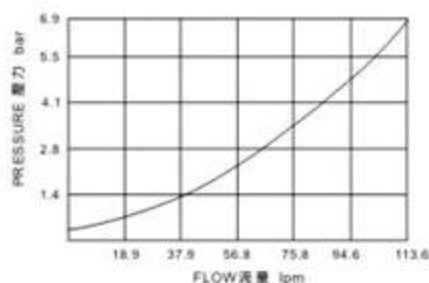
◆ MODEL 型 式

VCV-12-21



◆ 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
VCV-12-21	250 (3626 psi)	100 (26.42 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
VCV	12	*	21

1 VALVE SERIES 系列名稱

VCV= Check Valves 止逆閥

2 SUBPLATE MOUNTING SIZE 嵌牌口徑

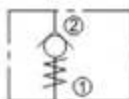
Size: 12
Cavity 孔口: CS12-2N
See Page Appendixes-A_001
見附錄A_001 頁面

3 BIAS SPRING 調整壓力

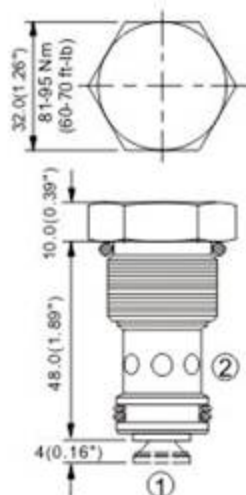
05 : 0.5 bar (6psi)
20 : 1.8 bar (26psi)
50 : 3.8 bar (56psi)

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

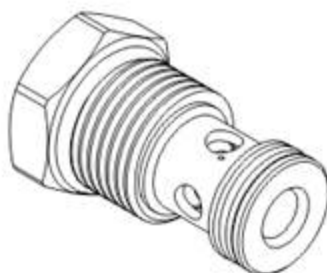


DIRECTIONAL VALVES 方向閥

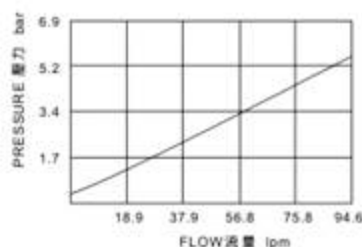
VCV SERIES CHECK VALVES vcv 系列止逆閥

◆ MODEL 型 式

VCV-12U



◆ 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
VCV-12U	350 (5076psi)	94 (24.83 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
VCV	12U	05	10

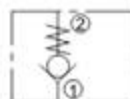
1 VALVE SERIES 系列名稱
VCV= Check Valves 止逆閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑
Size: 12U
Cavity 孔口: CS12U-2N

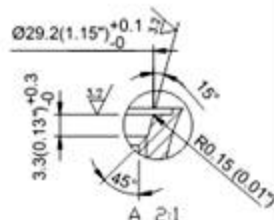
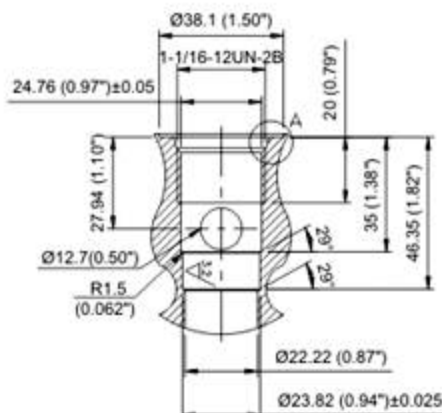
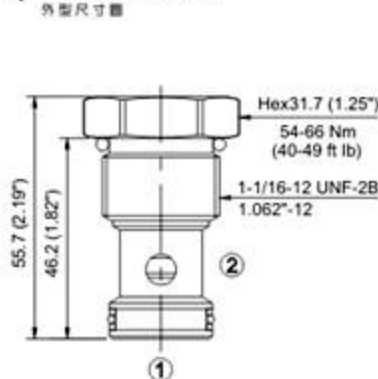
3 BIAS SPRING 彈簧壓力
05 : 0.5 bar (7psi)
20 : 2 bar (29psi)
50 : 4 bar (58psi)

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



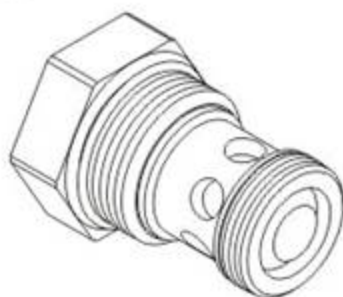
CS12U-2N

DIRECTIONAL VALVES 方向閥

VCV SERIES CHECK VALVES VCV 系列止逆閥

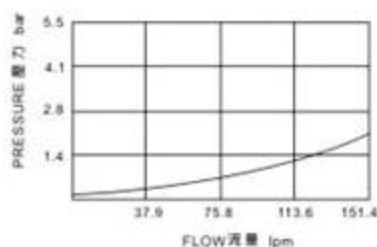
◆ MODEL 型 式

VCV-16



◆ 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
VCV-16	350 (5076psi)	150 (39.63 gpm)	0.26 (0.57 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
VCV	16	— 05 —	10

1 VALVE SERIES 系列名稱

VCV= Check Valves 止逆閥

2 SUBPLATE MOUNTING SIZE 嵌母口徑

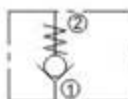
Size: 16
Cavity 孔口 CS16-2N
See Page Appendixes-A_002
見附錄A_002 頁面

3 BIAS SPRING 偏置壓力

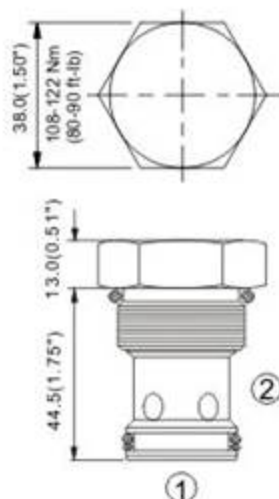
05 : 0.35 bar (5psi)
20 : 2 bar (29psi)
50 : 4 bar (58psi)

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



DIRECTIONAL VALVES 方向閥

VCV SERIES CHECK VALVES vcv 系列止逆閥

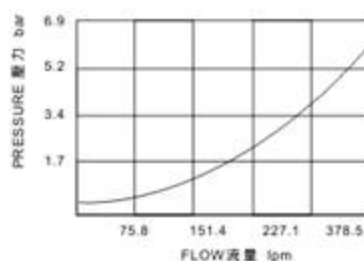
◆ MODEL 型 式

VCV-20



◆ 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
VCV-20	350 (5076psi)	379 (100.12 gpm)	0.43 (0.95 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
VCV	20	05	10

1 VALVE SERIES 系列名稱

VCV= Check Valves 止逆閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

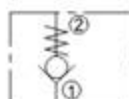
Size: 20
Cavity 孔口: CS20-2N
See Page Appendixes-A_002
見附錄A_002 頁面

3 BIAS SPRING 偏壓壓力

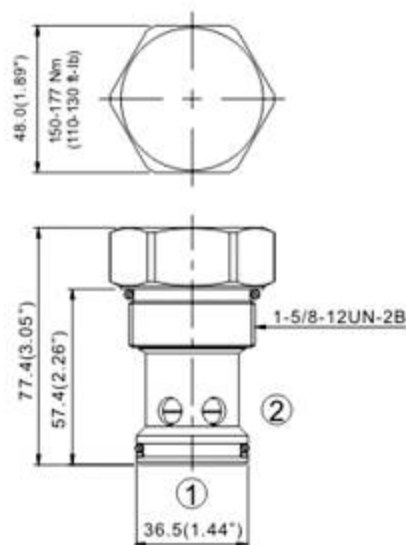
05 : 0.35 bar (5psi)
50 : 4 bar (58psi)

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



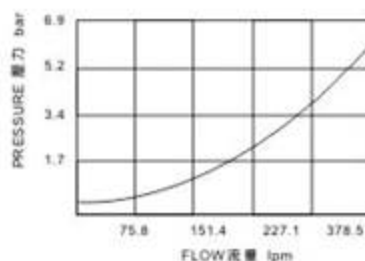
◆ DIMENSIONS 外型尺寸圖



◆ **MODEL** 型 式
VCV-42



◆ **PERFORMANCE**(Cartridge Only)
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
VCV-42	350 (5076psi)	378.5 (99.99 gpm)	0.43 (0.95 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
VCV	42	05	10

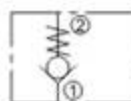
1 VALVE SERIES 系列名稱
VCV= Check Valves 止回閥

2 SUBPLATE MOUNTING SIZE 基座口徑
Size: 42
Cavity 孔口: CS42-2N
See Page Appendixes-A_002
見附錄A_002 頁面

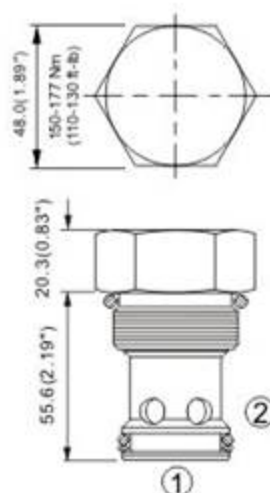
3 BIAS SPRING 偏置壓力
05 : 0.35 bar (5psi)
50 : 4 bar (58psi)

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖

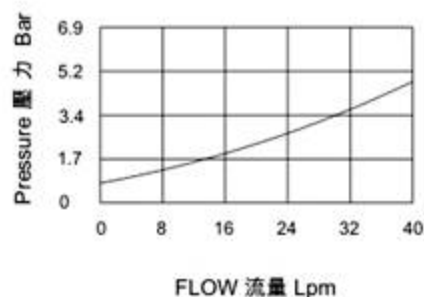


◆ **MODEL 型 式**

VCVH-08



◆ **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
VCVH-08	350 (5076 psi)	40 (10.57 gpm)	0.07 (0.15 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
VCVH	08	*	*

1 VALVE SERIES 系列名稱

VCVH= Check Valves 止逆閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

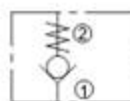
Size: 08
Cavity 孔口: CS08-2N
See Page Appendixes-A_001
見附錄A_001頁圖

3 BIAS SPRING 偏壓壓力

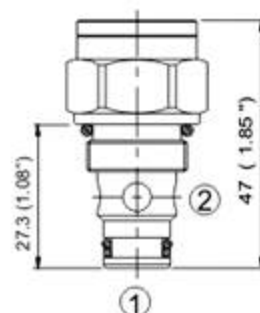
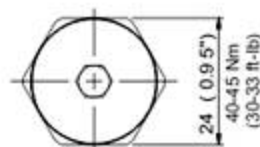
05 : 0.5 bar (7psi)
20 : 2 bar (29psi)
50 : 4 bar (58psi)

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



DIRECTIONAL VALVES 方向閥

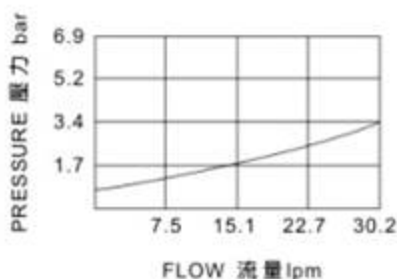
VCVM SERIES CHECK VALVES VCVM 系列止逆閥

◆ MODEL 型 式

VCVM-08



◆ 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
VCVM-08	350 (5076 psi)	30 (7.93 gpm)	0.06 (0.13 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
VCVM	08	— 05 —	10

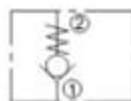
1 VALVE SERIES 系列名稱
VCVM= Check Valves 止逆閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑
Size: 08
Cavity 孔口: 06020
See Page Appendixes-A_001
見附錄A_001 頁碼

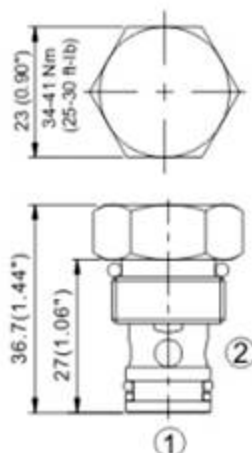
3 BIAS SPRING 偏壓壓力
05 : 0.5 bar (7psi)
20 : 2 bar (29psi)
50 : 4 bar (58psi)

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式

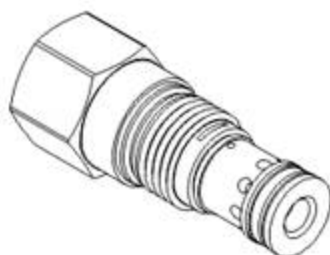


◆ DIMENSIONS 外型尺寸圖



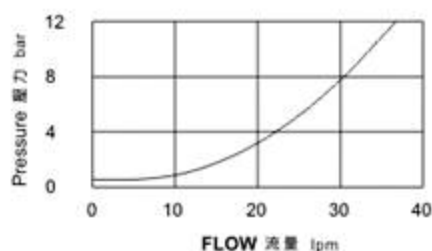
◆ **MODEL 型 式**

VCX-01



◆ **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
VCX-01	350 (5076psi)	40 (10.57 gpm)	0.09 (0.20 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
VCX	01	20

1 VALVE SERIES 系列名稱

VCX= Check Valves 止逆閥

2 PORTING 端口

01 : T-162A

Cavity 孔口 : CST-162A

See Page Appendixes-A_008

見附錄A_008 頁面

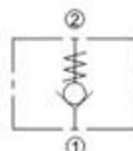
3 BIAS SPRING 閥芯壓力

05 : 0.35 bar (5psi)

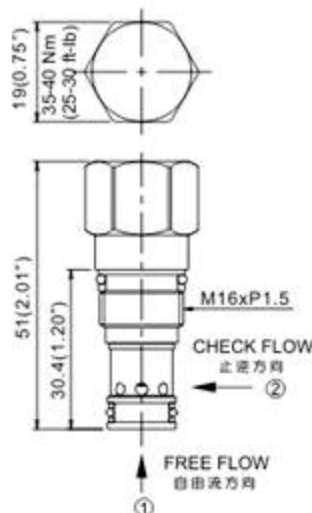
20 : 2 bar (29psi)

50 : 5 bar (73psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



◆ **MODEL 型 式**

VCX-02



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VCX-02	350 (5076 psi)	80 (21.13 gpm)	0.15 (0.33 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**

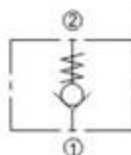
1	2	3
VCX	02	05

1 VALVE SERIES 系列名稱
VCX= Check Valves 止逆閥

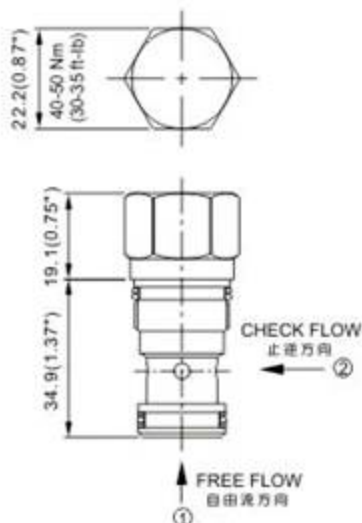
2 PORTING 端口
02 : T-13A
Cavity 孔口 : CST-13A
See Page Appendixes-A_006
見附錄A_006 頁碼

3 BIAS SPRING 偏置壓力
05 : 0.35 bar (5psi)
20 : 2 bar (29psi)
50 : 5 bar (73psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



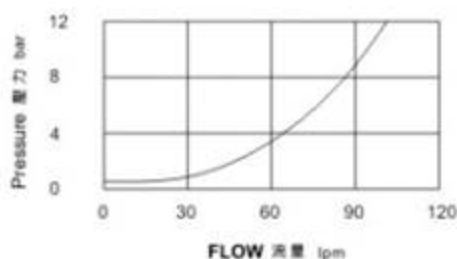
◆ **MODEL 型 式**

VCX-03



◆ **PERFORMANCE (Cartridge Only)**

特性圖表



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VCX-03	350 (5076 psi)	140 (36.98 gpm)	0.19 (0.42 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
VCX	03	05

1 VALVE SERIES 系列名稱

VCX= Check Valves 止逆閥

2 PORTING 端口

03: T-5A

Cavity 孔口: CST-5A

See Page Appendixes-A_006
見附錄A_006 頁面

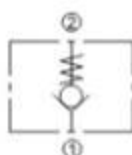
3 BIAS SPRING 偏壓壓力

05: 0.35 bar (5psi)

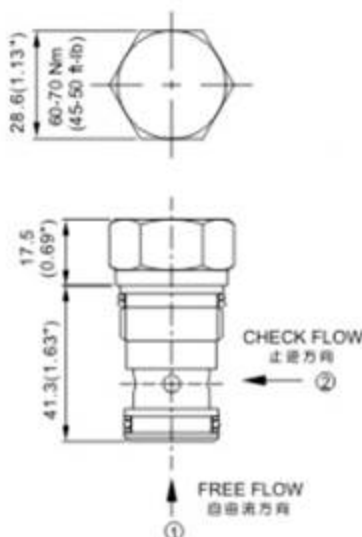
20: 2 bar (29psi)

50: 5 bar (73psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



◆ **MODEL 型 式**

VCX-06



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VCX-06	350 (5076 psi)	320 (84.54 gpm)	0.63 (1.39 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
VCX	06	— 05

1 VALVE SERIES 系列名稱

VCX= Check Valves 止逆閥

2 PORTING 端口

06 : T-16A

Cavity 孔口 : CST-16A

See Page Appendixes-A_007

見附錄A_007 頁碼

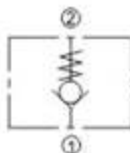
3 BIAS SPRING 偏置壓力

05 : 0.35 bar (5psi)

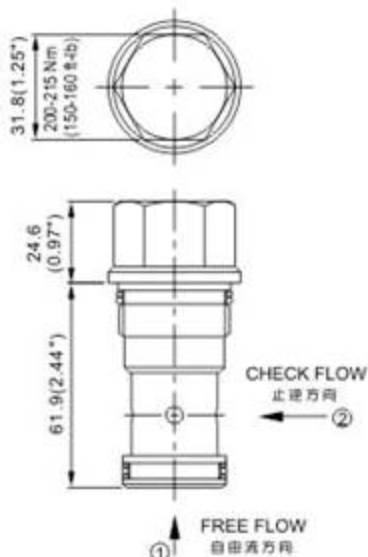
20 : 2 bar (29psi)

50 : 5 bar (73psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



DIRECTIONAL VALVES 方向閥

VCX SERIES CHECK VALVES vcx 系列止逆閥

◆ MODEL 型 式

VCX-10



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VCX-10	350 (5076 psi)	640 (169.07 gpm)	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

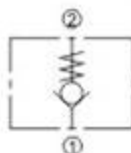
1	2	3
VCX	10	05

- 1 VALVE SERIES 系列名稱**
VCX= Check Valves 止逆閥

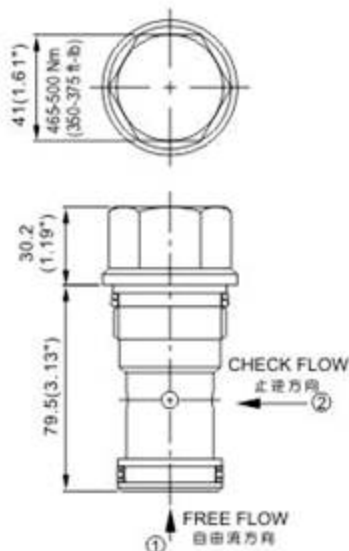
- 2 PORTING 端口**
10 : T-18A
Cavity 孔口 : CST-18A
See Page Appendixes-A_007
見附錄A_007 頁碼

- 3 BIAS SPRING 偏置壓力**
05 : 0.35 bar (5psi)
20 : 2 bar (29psi)
50 : 5 bar (73psi)

◆ CONTROL PORT(S) 動作形式



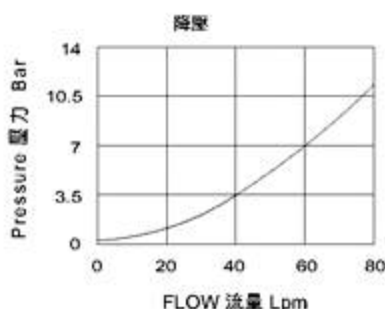
◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**
VCXA-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
VCXA-02	350 (5076 psi)	60 (15.85 gpm)	0.13 (0.29 lbs)
Fluid Type 液體形式		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**

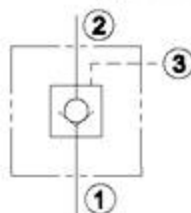
1	2	3
VCXA	02	*

- 1 VALVE SERIES 系列名稱**
VCXA = CARTRIDGE CHECK, PILOT-TO-CLOSE VALVES
插入式導壓截止逆閥

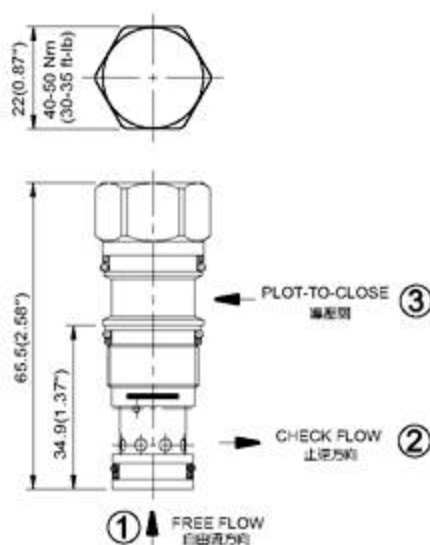
- 2 SUBPLATE MOUNTING SIZE 插口尺寸**
02 : T-11A
Cavity 孔口 : CST-11A
See Page Appendixes-A_006
見別錄A_006 頁面

- 3 BIAS SPRING 偏置壓力**
05 : 0.3 bar (4 psi)
20 : 2 bar (29 psi)
50 : 5 bar (73 psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



DIRECTIONAL VALVES 方向閥

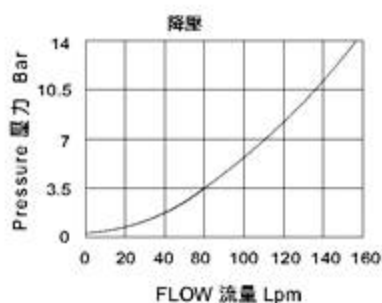
VCXA SERIES CARTRIDGE CHECK, PILOT-TO-CLOSE VALVES VCXA系列插入式導壓截止逆閥

◆ MODEL 型 式

VCXA-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
VCXA-03	350 (5076 psi)	140 (36.98 gpm)	0.23 (0.51 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		ISO4406, 21/19/16 NAS1638,10	

◆ HOW TO ORDER 編號說明

1	2	3
VCXA	03	*

1 VALVE SERIES 系列名稱

VCXA = CARTRIDGE CHECK, PILOT-TO-CLOSE VALVES
插入式導壓截止逆閥

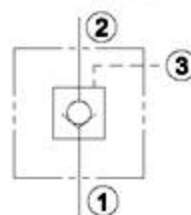
2 SUBPLATE MOUNTING SIZE 插口尺寸

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

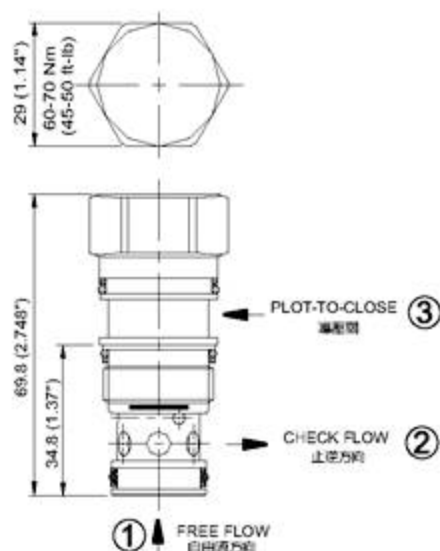
3 BIAS SPRING 偏壓壓力

05 : 0.3 bar (4 psi)
20 : 2 bar (29 psi)
50 : 5bar (73 psi)

◆ CONTROL PORT(S) 動作形式

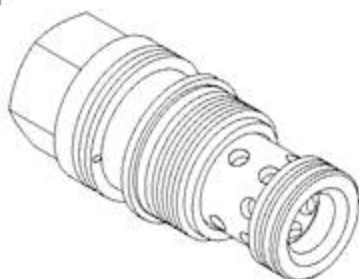


◆ DIMENSIONS 外型尺寸圖

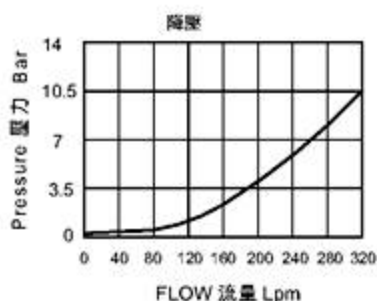


◆ **MODEL 型 式**

VCXA-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
VCXA-06	350 (5076 psi)	320 (84.54 gpm)	1.35 (2.97 lbs)
Fluid Type 液體形式		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
VCXA	06	*

1 VALVE SERIES 系列名稱

VCXA = CARTRIDGE CHECK, PILOT-TO-CLOSE VALVES
插入式導壓截止逆閥

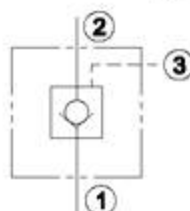
2 SUBPLATE MOUNTING SIZE 插口口徑

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

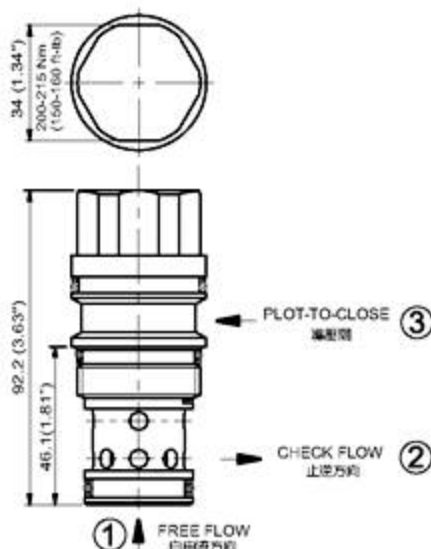
3 BIAS SPRING 偏置壓力

05: 0.35 bar (5psi)
20: 2 bar (29psi)
50: 5 bar (73psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

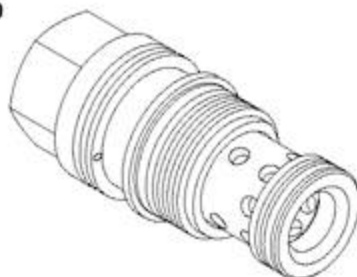


DIRECTIONAL VALVES 方向閥

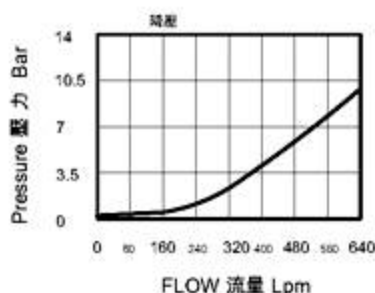
VCXA SERIES CARTRIDGE CHECK, PILOT-TO-CLOSE VALVES VCXA系列插入式導壓截止逆閥

◆ MODEL 型 式

VCXA-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
VCXA-10	350 (5076 psi)	640 (169.07 gpm)	1.3 (2.87 lbs)
Fluid Type 液體形式		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
VCXA	10	*

1 VALVE SERIES 系列名稱

VCXA = CARTRIDGE CHECK, PILOT-TO-CLOSE VALVES
插入式導壓截止逆閥

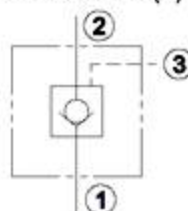
2 SUBPLATE MOUNTING SIZE 插口直徑

10: T-19A
Cavity 型口: CST-19A
See Page Appendixes-A_007
參閱附錄A_007 頁面

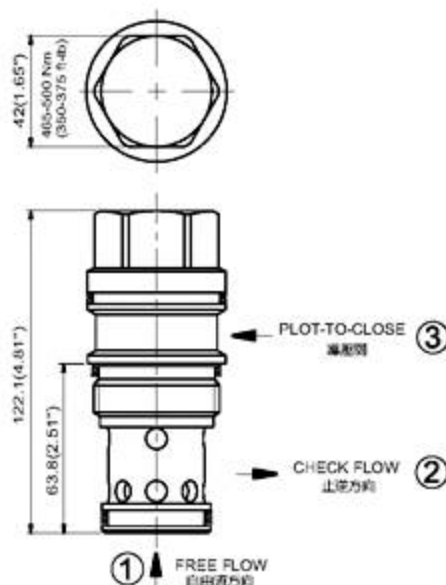
3 BIAS SPRING 偏壓壓力

05: 0.35 bar (5 psi)
20: 2 bar (29 psi)
50: 5 bar (73 psi)

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

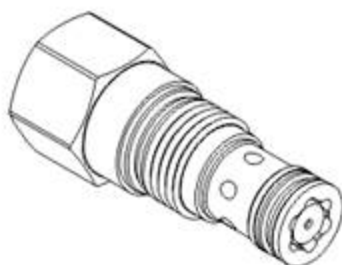


DIRECTIONAL VALVES 方向閥

VCXE SERIES CHECK VALVES VCXE 系列止逆閥

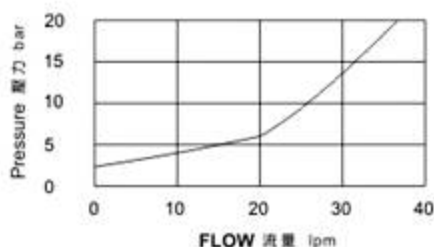
◆ MODEL 型 式

VCXE-01



◆ 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
VCXE-01	350 (5076psi)	30 (7.92 gpm)	0.1 (0.22 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
VCXE	01	20

1 VALVE SERIES 系列名稱

VCXE= Check Valves 止逆閥

2 PORTING 端口

01: T-162A

Cavity 孔口: CST-162A

See Page Appendixes-A_008

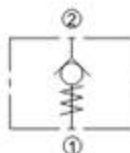
見附錄A_008 頁面

3 BIAS SPRING 偏壓壓力

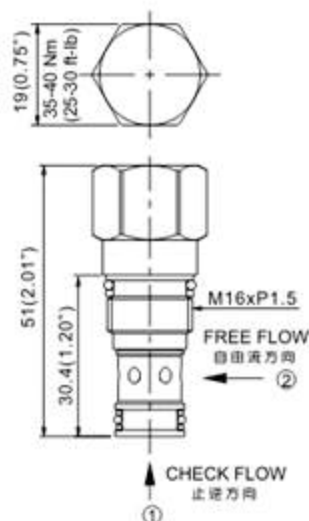
20: 2 bar (29psi)

35: 3.5 bar (51psi)

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VCXE-02



◆ **SPECIFICATIONS 規 格**

Model Number 型 式 號 碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VCXE-02	350 (5076psi)	60 (15.85 gpm)	0.15 (0.33 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
VCXE	02	05

1 VALVE SERIES 系列名稱

VCXE= Check Valves 止逆閥

2 PORTING 端口

02 : T-13A

Cavity 孔口 : CST-13A

See Page Appendixes-A_006

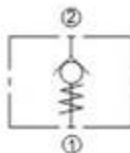
見附錄A_006 圖表

3 BIAS SPRING 偏壓壓力

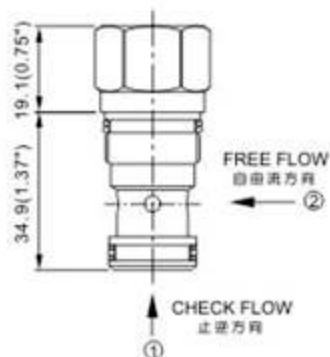
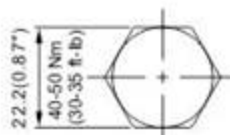
05 : 0.35 bar (5psi)

50 : 5 bar (73psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

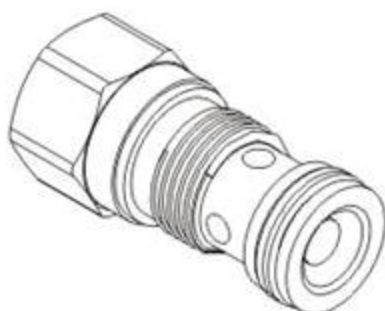


DIRECTIONAL VALVES 方向閥

VCXE SERIES CHECK VALVES VCXE 系列止逆閥

◆ MODEL 型 式

VCXE-03



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VCXE-03	350 (5076psi)	100 (26.42 gpm)	0.19 (0.42 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
VCXE	03	05

1 VALVE SERIES 系列名稱

VCXE= Check Valves 止逆閥

2 PORTING 端口

03 : T-5A

Cavity 孔口 : CST-5A

See Page Appendixes-A_006

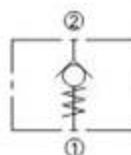
見附錄A_006 頁面

3 BIAS SPRING 偏置壓力

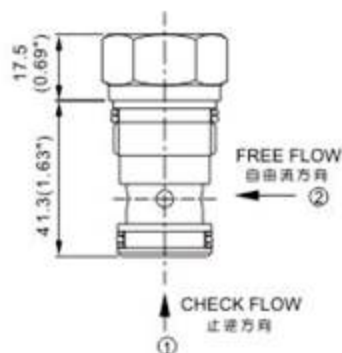
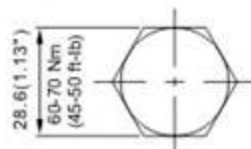
05 : 0.35 bar (5psi)

50 : 5 bar (73psi)

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VCXE-06



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VCXE-06	350 (5076 psi)	210 (55.48 gpm)	0.63 (1.39 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**

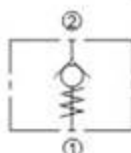
1	2	3
VCXE	06	05

1 VALVE SERIES 系列名稱
VCXE= Check Valves 止逆閥

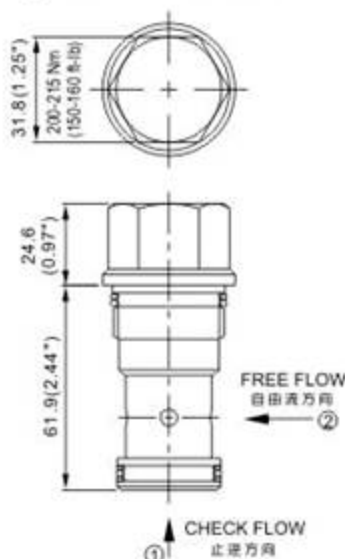
2 PORTING 接口
06 : T-16A
Cavity 孔口 : CST-16A
See Page Appendixes-A_007
見附錄A_007 頁碼

3 BIAS SPRING 偏壓壓力
05 : 0.35 bar (5psi)
50 : 5 bar (73psi)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

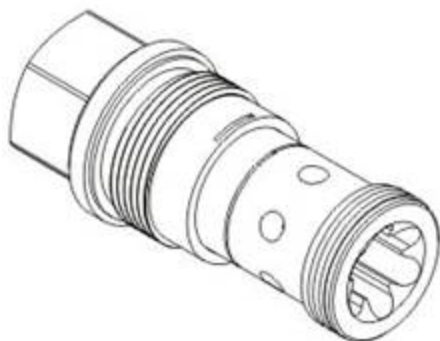


DIRECTIONAL VALVES 方向閥

VCXE SERIES CHECK VALVES VCXE 系列止逆閥

◆ MODEL 型 式

VCXE-10



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VCXE-10	350 (5076 psi)	420 (110.95 gpm)	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
VCXE	10	05

1 VALVE SERIES 系列名稱

VCXE= Check Valves 止逆閥

2 PORTING 端口

10 : T-18A

Cavity 孔口 : CST-18A

See Page Appendixes-A_007

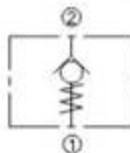
見附錄A_007 頁碼

3 BIAS SPRING 偏置壓力

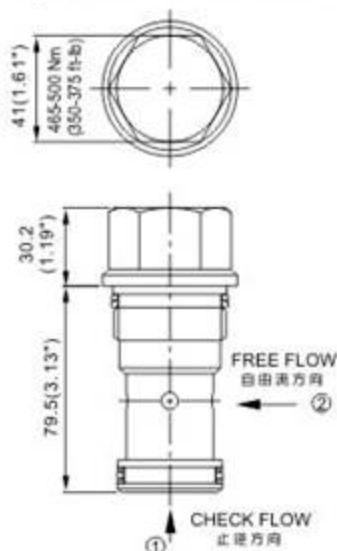
05 : 0.35 bar (5psi)

50 : 5 bar (73psi)

◆ CONTROL PORT(S) 動作形式

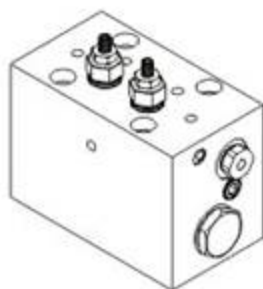


◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VDA-02

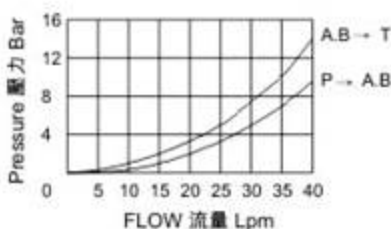


◆ **DESCRIPTION 說明**

These are double-acting valves which automatically change-over the oil flow direction. The motion is completely automatic and normally takes place when the cylinder reaches its end of stroke. Inversion can also occur in any position whatsoever, as an external resistance acting on the system is created in order to increase the working pressure to reach the setting pressure of the pilot valve. Inversion cycle starts at 90% of the setting pressure of the pilot valves. Setting difference between the valves on A and B ports should not be higher than 30 bar.

這些是自動改變油流向的雙向動向閥。動作完全自動，通常發生在油缸到達它的動作的末端時，反向也能在任何位置發生，為了增加工作壓力達到設定的引導閥壓力對系統起作用。反向循環啟動在90%的引導閥設定壓力。在A上穩定在閥門之間的差別，B 閥口不應比30bar高。

◆ **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
VDA-02	310 (4496 psi)	35 (9.25 gpm)	1.75 (3.85 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
VDA	02	1

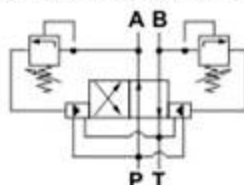
1 VALVE SERIES 系列名稱

VDA = AUTOMATIC INVERSION VALVES(PRESSURE)
自動換向閥(壓力)

2 SUBPLATE MOUNTING SIZE 稱呼口徑

02=1/4"(6mm)
ISO: CETOP3 DIN: NG6 NFPA: D03

◆ **CONTROL PORT(S) 動作形式**

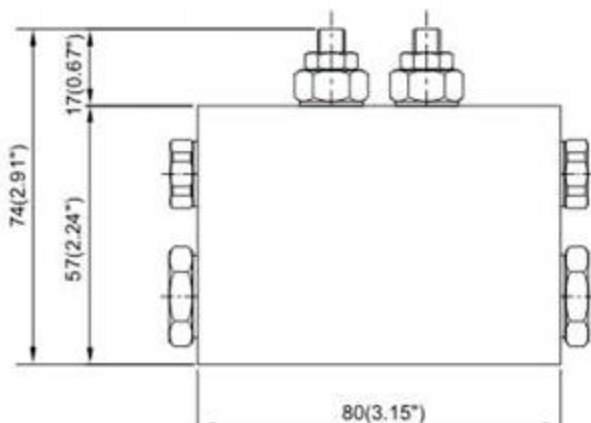
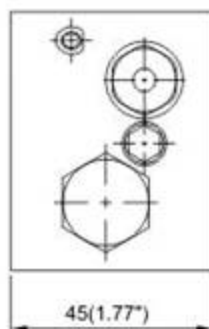


3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
1	0 ~ 150 (bar)
2	20 ~ 300 (bar)

◆ **DIMENSIONS 外型尺寸圖**

ISO 4401-AB-03-4-A



DIRECTIONAL VALVES 方向閥

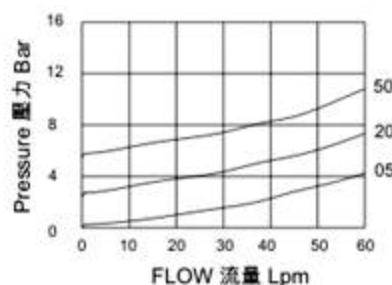
VLC SERIES CARTRIDGE LOGIC VALVES VLC系列插入式邏輯閥

◆ MODEL 型 式

VLC-10



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Ratio Of Poppet Area 面積比	Flow 流量 lpm	Weight 重量 Kg
VLC-10	350 (5076psi)	2 : 1	57 (15.06 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
VLC	10	— 50

- 1 VALVE SERIES 系列名稱**
VLC= CARTRIDGE LOGIC VALVES
插入式邏輯閥

2 PORTING 端口

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

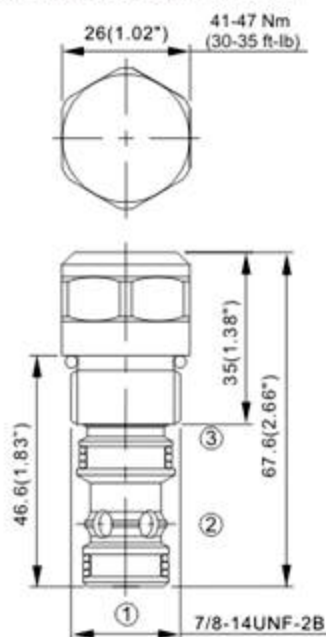
3 CRACKING PRESSURE 彈簧壓力

05 : 0.5 bar (7psi)
20 : 2.8 bar (41psi)
50 : 5.5 bar (80psi)

◆ CONTROL PORT(S) 動作形式

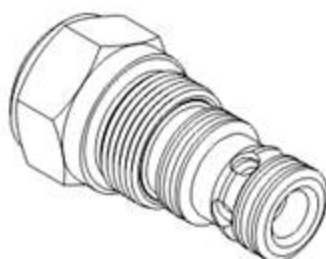


◆ DIMENSIONS 外型尺寸圖

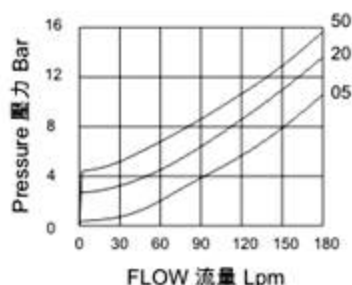


◆ **MODEL 型 式**

VLC-16



◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規 格**

Model Number 型 式 號 碼	Operating Pressure 操 作 壓 力 bar	Ratio Of Poppet Area 面 積 比	Flow 流 量 lpm	Weight 重 量 Kg
VLC-16	350 (5076psi)	2 : 1	190 (50.19 gpm)	0.4 (0.88 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 等 級		ISO4406, 21/19/16 NAS1638,10		

◆ **HOW TO ORDER 購 號 說 明**

1	2	3
VLC	16	— 50

1 VALVE SERIES 系列名稱
VLC= CARTRIDGE LOGIC VALVES
插 入 式 邏 輯 閥

◆ **CONTROL PORT(S) 動 作 形 式**



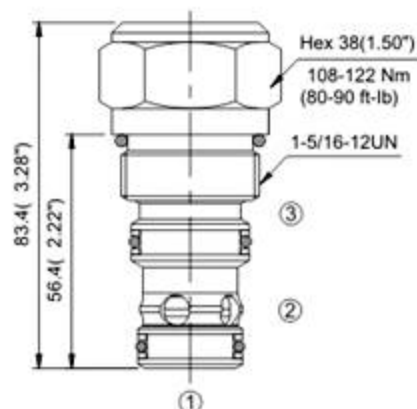
2 PORTING 接 口

Size: 16
Cavity 孔 口: CS16-3S
See Page Appendixes-A_003
見 附 錄 A_003 頁 面

3 CRACKING PRESSURE 彈 簧 壓 力

05 : 0.5 bar (7psi)
20 : 2 bar (29psi)
50 : 5.5 bar (80psi)

◆ **DIMENSIONS 外 型 尺 寸 圖**



DIRECTIONAL VALVES 方向閥

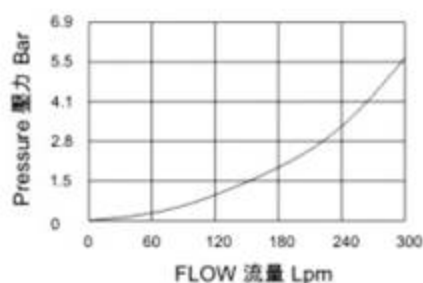
VLC SERIES CARTRIDGE LOGIC VALVES VLC系列插入式邏輯閥

◆ MODEL 型 式

VLC-20



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

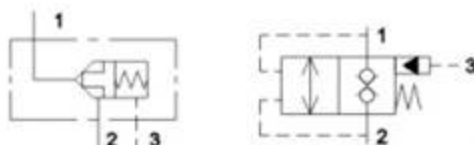
Model Number 型式號碼	Operating Pressure 操作壓力 bar	Ratio Of Poppet Area 面積比	Flow 流量 lpm	Weight 重量 Kg
VLC-20	350 (5076psi)	2 : 1	300 (79.25 gpm)	0.82 (1.81 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10		

◆ HOW TO ORDER 編號說明

1	2	3
VLC	20	20

- 1 VALVE SERIES 系列名稱**
VLC= CARTRIDGE LOGIC VALVES
插入式邏輯閥

◆ CONTROL PORT(S) 動作形式



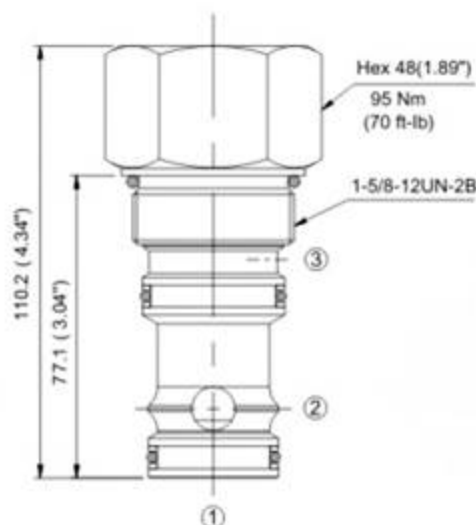
2 PORTING 接口

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

3 CRACKING PRESSURE 彈簧壓力

20 : 2.8 bar (40psi)
50 : 5.5 bar (80psi)
110 : 11 bar (160psi)

◆ DIMENSIONS 外型尺寸圖

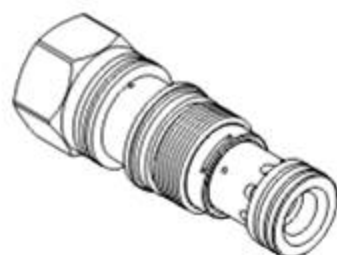


DIRECTIONAL VALVES 方向閥

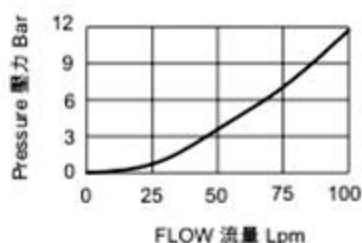
VLO SERIES CARTRIDGE LOGIC VALVES VLO 系列插入式邏輯閥

MODEL 型 式

VLO-02



PERFORMANCE 特性圖表



SPECIFICATIONS 規 格

Model Number 型 號	Maximum Pressure 最大壓力 bar	Required Pressure To Star 開啓壓力 bar	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
VLO-02-NO	350 (5076 psi)	2 (29.01 psi)	80 (21.13 gpm)	0.15 (0.33 lbs)
VLO-02-NC ,VE1 ,VE2 ,LS		3.5 (50, 76 psi)		0.15 (0.33 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
VLO	02	NO

1 VALVE SERIES 系列名稱

VLO=CARTRIDGE LOGIC VALVES
插入式邏輯閥

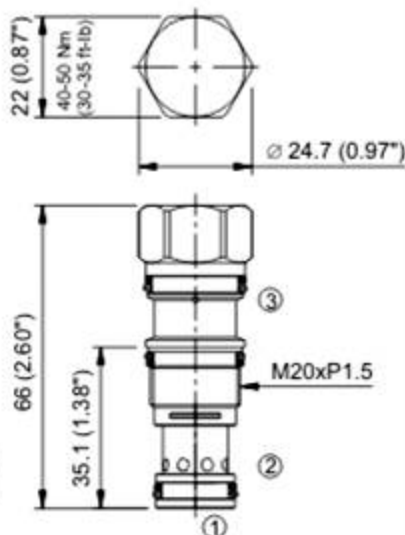
2 SUBPLATE MOUNTING SIZE 插板口徑

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

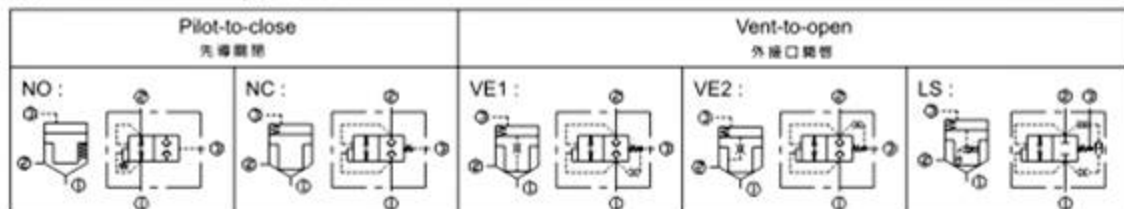
3 CONTROL TYPE 控制方式

NO : Spring biased open port 3 pilot source (彈簧偏位開,油口3為導壓源)
NC : Spring biased closed port 3 pilot source (彈簧偏位關,油口3為導壓源)
VE1 : Spring biased closed port 1 pilot source (彈簧偏位關,油口1為導壓源)
VE2 : Spring biased closed port 2 pilot source (彈簧偏位關,油口2為導壓源)
LS : Spring biased closed higher of Ports 1 or 2 pilot source
(彈簧偏位關,油口1或2 高壓者為導壓源)

DIMENSIONS 外型尺寸圖



CONTROL PORT(S) 動作形式

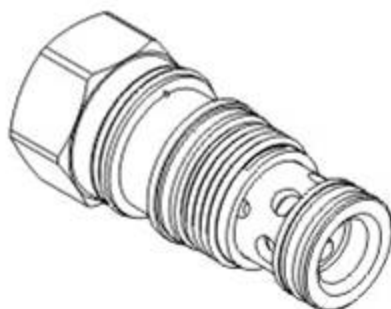


DIRECTIONAL VALVES 方向閥

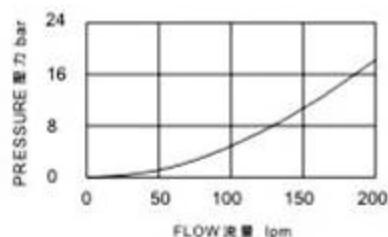
VLO SERIES CARTRIDGE LOGIC VALVES VLO 系列插入式邏輯閥

MODEL 型 式

VLO-03



PERFORMANCE 特性曲線



SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Required Pressure To Start 開始壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VLO-03-NO	350 (5076 psi)	2 (29.01 psi)	160 (42.27 gpm)	0.25 (0.55 lbs)
VLO-03-NC ,VE1 ,VE2 ,LS		3.5 (50.76 psi)		0.25 (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
VLO	03	NO

1 VALVE SERIES 系列名稱

VLO=CARTRIDGE LOGIC VALVES
插入式邏輯閥

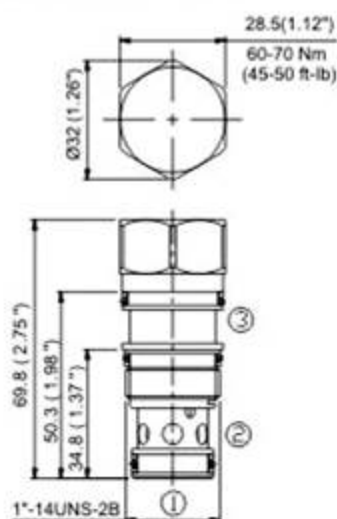
2 SUBPLATE MOUNTING SIZE 板尺寸

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

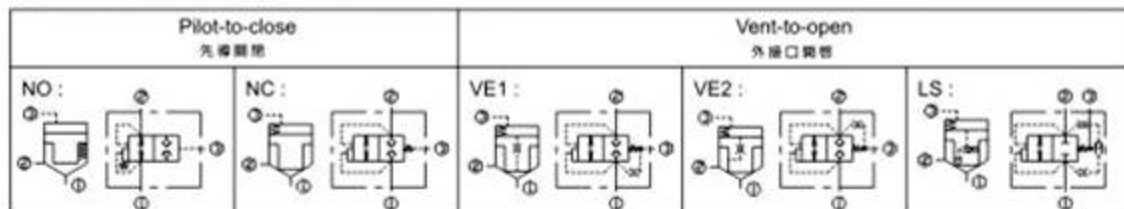
3 CONTROL TYPE 控制方式

NO : Spring biased open port 3 pilot source (彈簧偏位開, 油口3為導壓源)
NC : Spring biased closed port 3 pilot source (彈簧偏位關, 油口3為導壓源)
VE1 : Spring biased closed port 1 pilot source (彈簧偏位關, 油口1為導壓源)
VE2 : Spring biased closed port 2 pilot source (彈簧偏位關, 油口2為導壓源)
LS : Spring biased closed higher of Ports 1 or 2 pilot source
(彈簧偏位關, 油口1或2 高壓者為導壓源)

DIMENSIONS 外型尺寸圖

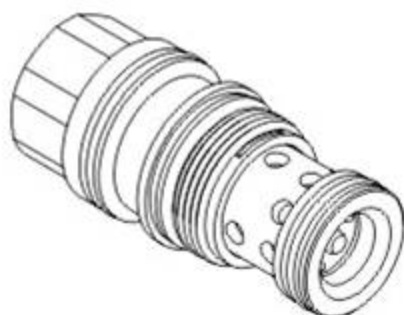


CONTROL PORT(S) 動作形式

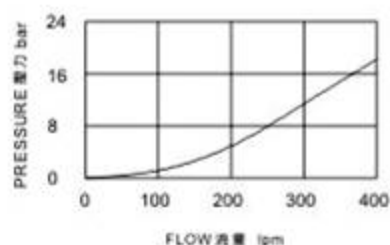


◆ **MODEL 型 式**

VLO-06



◆ **PERFORMANCE 特性曲線**



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Required Pressure To Star 開始壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VLO-06-NO	350 (5076 psi)	2 (29.01 psi)	320 (84.54 gpm)	0.5 (1.10 lbs)
VLO-06-NC ,VE1 ,VE2 ,LS		3.5 (50.76 psi)		0.5 (1.10 lbs)
Fluid Type 油器型式		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
VLO	06	NO

1 **VALVE SERIES 系列名稱**

VLO=CARTRIDGE LOGIC VALVES

插入式邏輯閥

2 **SUBPLATE MOUNTING SIZE 插口尺寸**

06:T-17A

Cavity 孔口: CST-17A

See Page Appendixes-A_007

見附錄A_007 頁面

3 **CONTROL TYPE 控制方式**

NO : Spring biased open port 3 pilot source (彈簧偏位開, 油口3為導壓源)

NC : Spring biased closed port 3 pilot source (彈簧偏位關, 油口3為導壓源)

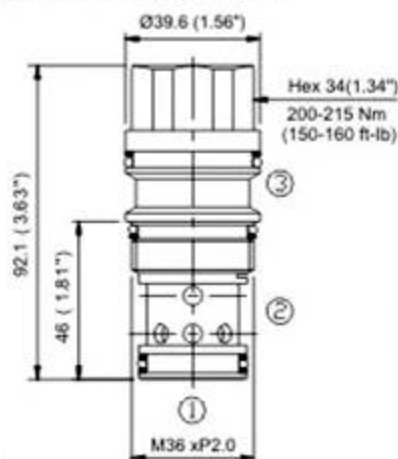
VE1 : Spring biased closed port 1 pilot source (彈簧偏位關, 油口1為導壓源)

VE2 : Spring biased closed port 2 pilot source (彈簧偏位關, 油口2為導壓源)

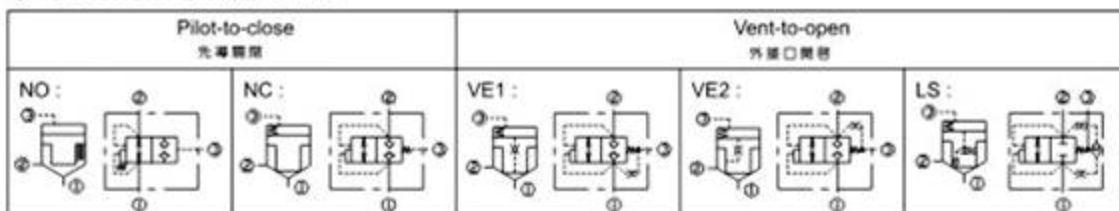
LS : Spring biased closed higher of Ports 1 or 2 pilot source

(彈簧偏位關, 油口1或2 高壓者為導壓源)

◆ **DIMENSIONS 外型尺寸圖**



◆ **CONTROL PORT(S) 動作形式**



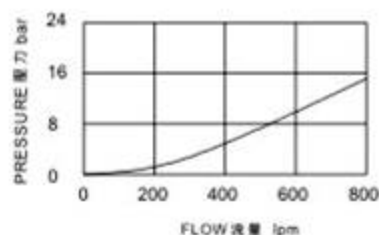
DIRECTIONAL VALVES 方向閥

VLO SERIES CARTRIDGE LOGIC VALVES VLO系列插入式邏輯閥

MODEL 型式 VLO-10



PERFORMANCE 特性曲線



SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Required Pressure To Start 開啟壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VLO-10-NO	350 (5076 psi)	2 (29.01 psi)	640 (169.07 gpm)	1.2 (2.65 lbs)
VLO-10-NC, VE1, VE2, LS		3.5 (50, 76 psi)		1.2 (2.65 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
VLO	10	NC

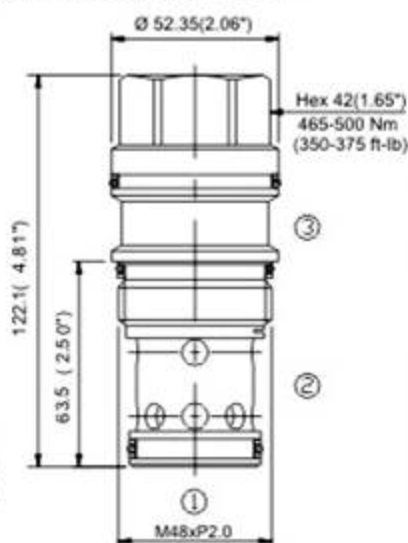
1 VALVE SERIES 系列名稱
VLO=CARTRIDGE LOGIC VALVES
插入式邏輯閥

2 SUBPLATE MOUNTING SIZE 板接口徑
10:T-19A
Cavity 孔口: CST-19A
See Page Appendixes-A_007
見附錄A_007 頁面

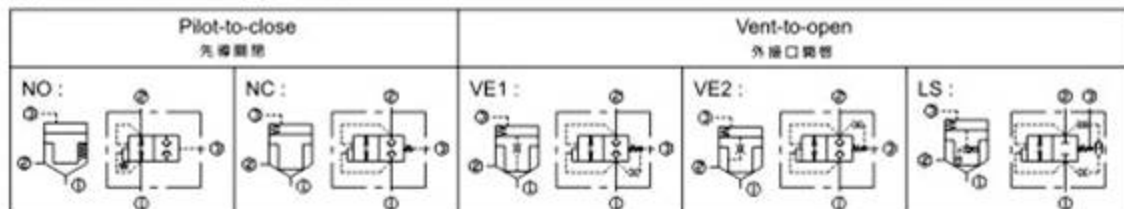
3 CONTROL TYPE 控制方式

- NO : Spring biased open port 3 pilot source (彈簧偏位開, 油口3為導壓源)
- NC : Spring biased closed port 3 pilot source (彈簧偏位關, 油口3為導壓源)
- VE1 : Spring biased closed port 1 pilot source (彈簧偏位關, 油口1為導壓源)
- VE2 : Spring biased closed port 2 pilot source (彈簧偏位關, 油口2為導壓源)
- LS : Spring biased closed higher of Ports 1 or 2 pilot source
(彈簧偏位關, 油口1或2 高壓者為導壓源)

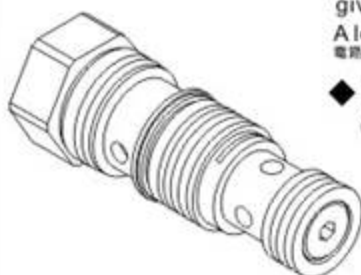
DIMENSIONS 外型尺寸圖



CONTROL PORT(S) 動作形式



◆ **MODEL 型 式**
VLS-02

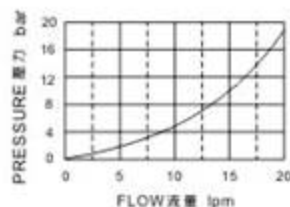


◆ **DESCRIPTION 說明**

Shuttle Valves, cartridge-style hydraulic check valve, for use in blocking circuits where a priority of flow/direction is given to a higher pressure circuit over a lower one.

A load-shutting, 插入式梭動閥，在優先的流量/方向的地方給予較高壓力電路超過較低的一方時，便會關閉電路。

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



◆ **SPECIFICATIONS 規格**

Model Number 型 式 號 碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VLS-02	350 (5076psi)	10 (2.64 gpm)	0.14 (0.31 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
VLS	02

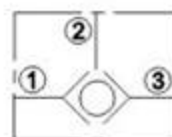
1 **VALVE SERIES 系列名稱**

VLS= CARTRIDGE SHUTTLE VALVES
插入式梭動閥

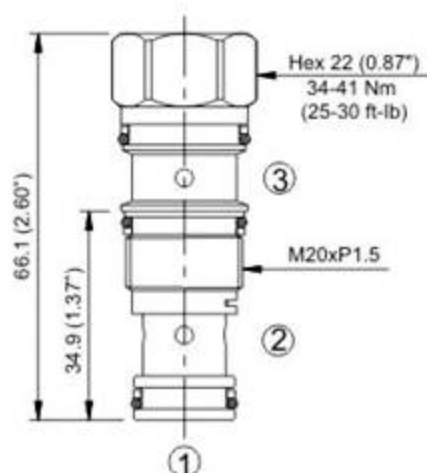
2 **SUBPLATE MOUNTING SIZE 稱呼口徑**

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

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



DIRECTIONAL VALVES 方向閥

VLS SERIES CARTRIDGE SHUTTLE VALVES VLS 系列插入式梭動閥

◆ MODEL 型 式

VLS-04



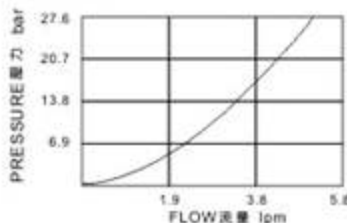
◆ DESCRIPTION 說明

Shuttle Valves, cartridge-style hydraulic check valve, for use in blocking circuits where a priority of flow/direction is given to a higher pressure circuit over a lower one.

A load-shutting - 插入型式梭動閥，在優先的流量/方向的地方給予較高壓力電路超過較低的一方時，便會關閉電路。

◆ PERFORMANCE 特性曲線

(Cartridge Only)



◆ SPECIFICATIONS 規格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VLS-04	350 (5076psi)	6 (1.59 gpm)	0.01 (0.02 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
VLS	04

1 VALVE SERIES 系列名稱

VLS= CARTRIDGE SHUTTLE VALVES
插入式梭動閥

2 PORTING 端口

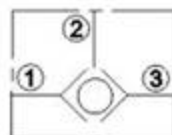
Size: 04

Cavity 孔口: CS04-B3

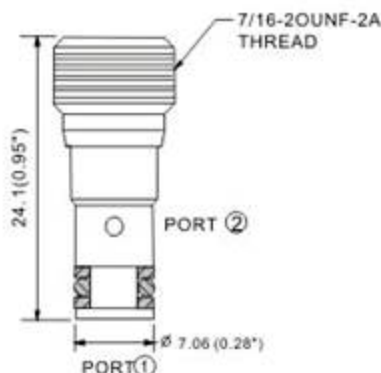
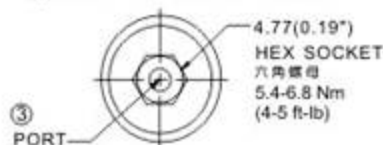
See Page Appendixes-A_001

見附錄A_001 頁碼

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VLS-08



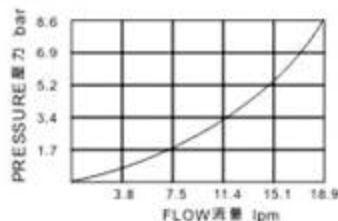
◆ **DESCRIPTION 說明**

Shuttle Valves, cartridge-style hydraulic check valve, for use in blocking circuits where a priority of flow/direction is given to a higher pressure circuit over a lower one.

A load-shutting, 插入式梭動閥，在優先的流量/方向的地方給予較高壓力電路超過較低的一方時，便會關閉電路。

◆ **PERFORMANCE 特性曲線**

(Cartridge Only)



◆ **SPECIFICATIONS 規格**

Model Number 型號號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VLS-08	350 (5076psi)	19 (5.02 gpm)	0.07 (0.15 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
VLS	08

1 **VALVE SERIES 系列名稱**

VLS= CARTRIDGE SHUTTLE VALVES

插入式梭動閥

2 **PORTING 端口**

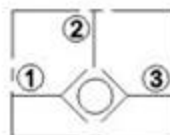
Size: 08

Cavity 孔口 CS08-3N

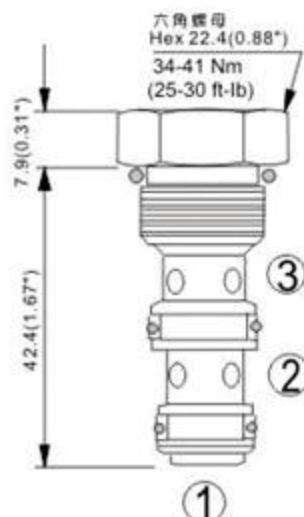
See Page Appendixes-A_002

見附錄A_002 頁面

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

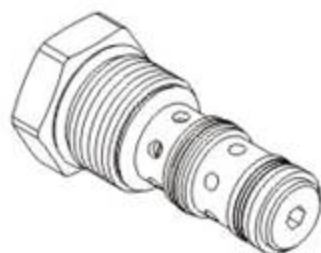


DIRECTIONAL VALVES 方向閥

VLS SERIES CARTRIDGE SHUTTLE VALVES VLS 系列插入式梭動閥

◆ MODEL 型 式

VLS-10



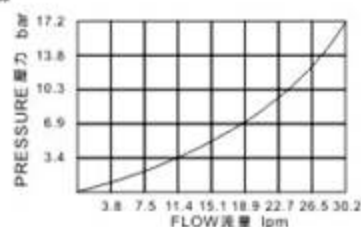
◆ DESCRIPTION 說明

Shuttle Valves, cartridge-style hydraulic check valve, for use in blocking circuits where a priority of flow/direction is given to a higher pressure circuit over a lower one.

A load-shutting, 插入式梭動閥，在優先的流量/方向的地方給予較高壓力電路超過較低的一方時，便會關閉電路。

◆ PERFORMANCE 特性曲線

(Cartridge Only)



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VLS-10	350 (5076psi)	30 (7.93 gpm)	0.09 (0.20 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
VLS	10

1 VALVE SERIES 系列名稱

VLS= CARTRIDGE SHUTTLE VALVES
插入式梭動閥

2 PORTING 端口

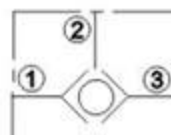
Size: 10

Cavity 孔口 CS10-3N

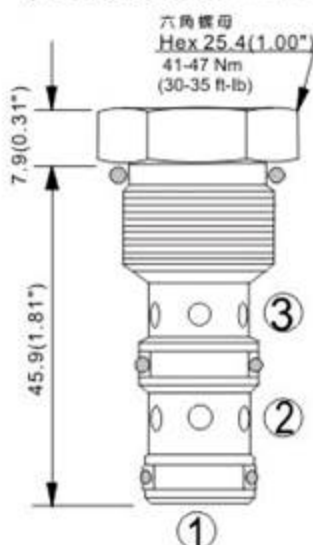
See Page Appendixes-A_002

規格表A_002 頁面

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

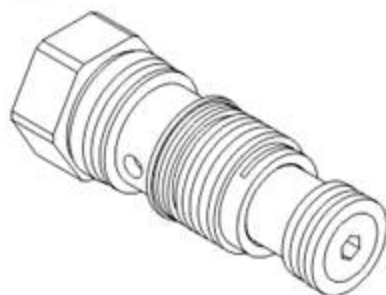


DIRECTIONAL VALVES 方向閥

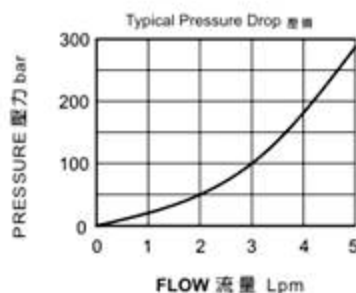
VLSB SERIES CARTRIDGE SHUTTLE VALVES VLSB 系列插入式梭動閥

◆ MODEL 型 式

VLSB-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
VLSB-02	350 (5076 psi)	10 (2.64 gpm)	0.14 (0.31 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
VLSB	02

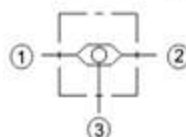
1 VALVE SERIES 系列名稱

VLSB= CARTRIDGE SHUTTLE VALVES
插入式梭動閥

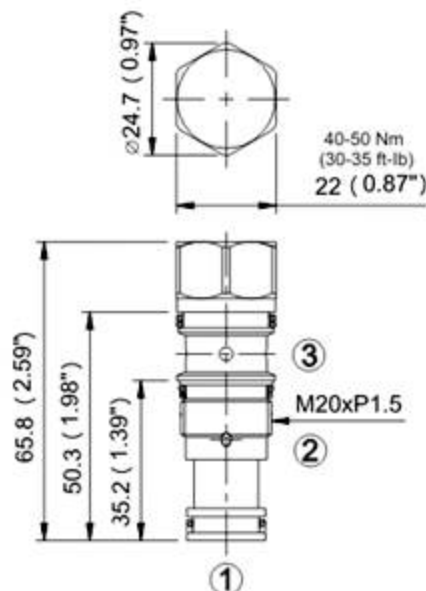
2 SUBPLATE MOUNTING SIZE 編號口徑

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

◆ CONTROL PORT(S) 動作形式

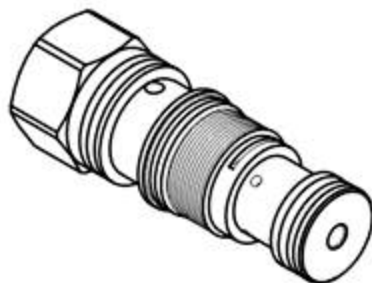


◆ DIMENSIONS 外型尺寸圖

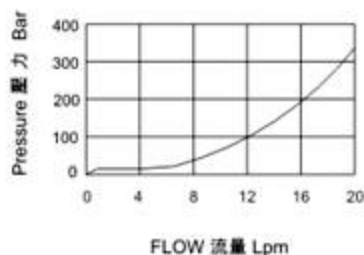


◆ **MODEL 型 式**

VLSD-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
VLSD-02	350 (5076 psi)	10 (2.64 gpm)	0.13 (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
VLSD	02

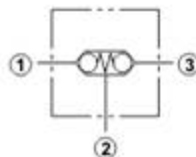
1 VALVE SERIES 系列名稱

VLSD= CARTRIDGE SHUTTLE VALVES
插入式梭動閥

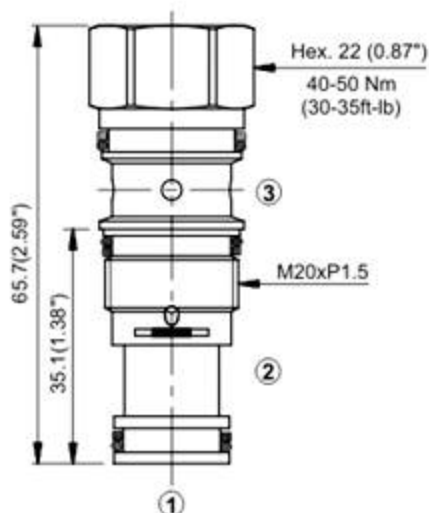
2 SUBPLATE MOUNTING SIZE 稱呼口徑

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

◆ **CONTROL PORT(S) 動作形式**



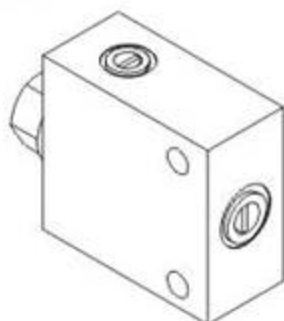
◆ **DIMENSIONS 外型尺寸圖**



DIRECTIONAL VALVES 方向閥

VLSL SERIES SHUTTLE VALVES LVSL 系列梭動閥

◆ MODEL 型 式 VLSL-03

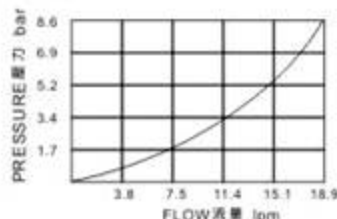


◆ DESCRIPTION 說 明

Shuttle Valves, cartridge-style hydraulic check valve, for use in blocking circuits where a priority of flow/direction is given to a higher pressure circuit over a lower one.

A load-shutting, 插入型式梭動閥，在優先的流量/方向的地方給予較高壓力電路超過較低的一方時，便會關閉電路。

◆ PERFORMANCE 特性曲線 (Cartridge Only)



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VLSL-03	350 (5076psi)	19 (5.02 gpm)	0.42 (0.93 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

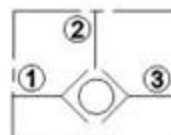
1	2	3
VLSL	03	*

1 VALVE SERIES 系列名稱 VLSL= SHUTTLE VALVES 梭動閥

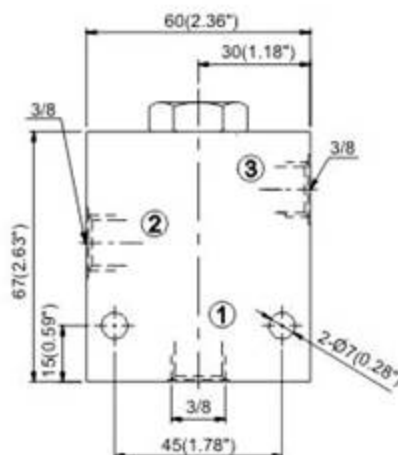
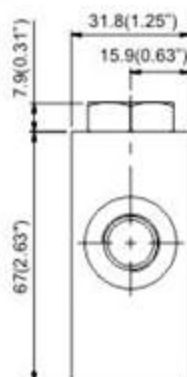
2 PORTING 接口 03=3/8

3 THREADED TYPE 螺紋規格 1P: PT 3G: PF(G) 2N: NPT 4A: SAE 5B: BSP

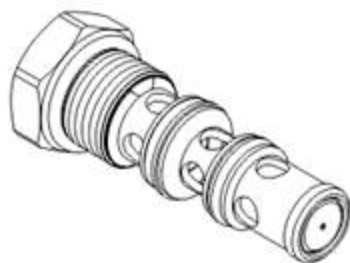
◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



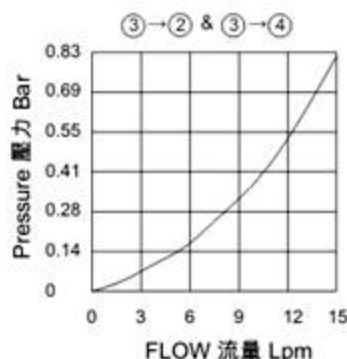
◆ **MODEL 型 式**
VLSU-10



◆ **DESCRIPTION 說明**

Which can be used to help protect against brake or steering failure in the event of loss of pressure in either one of two accumulators.
If one accumulator fails, the VLSU10 will shift over to protect the good one. All ports are connected in neutral. When pressure at one of the two load ports exceeds the other, the poppets shuttle to give priority flow and pressure to the port with the highest load. Typical applications include braking and steering circuits.
Note: Port 1 should be blocked.
當兩個儲能器其中一個出現失壓時,該閥可以用來防止出現制動或轉向故障。
當兩個儲能器其中一個出現失壓時,VLSU10將進行移動以保護正常的儲能器。
中位時,所有油口相互連接,當兩個負載油口其中之一的壓力超過另一個時,閥芯換位到壓力高的一側,典型應用包括制動和轉向油路。
注:油口1應被封閉。

◆ **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
VLSU-10	250 (3626psi)	15 (3.96 gpm)	0.20 (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	

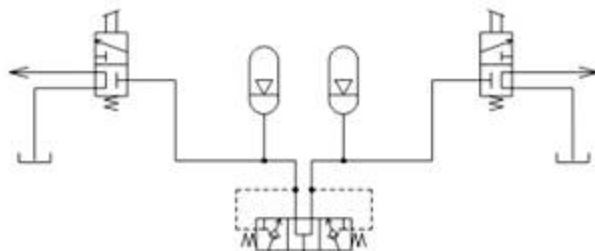
◆ **HOW TO ORDER 編號說明**

1	2
VLSU	10

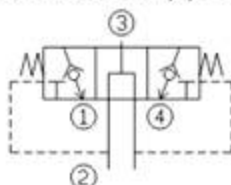
- 1 VALVE SERIES 系列名稱**
VLSU=CARTRIDGE TYPE INVERTED SHUTTLE VALVES
插入式轉換梭閥

- 2 SUBPLATE MOUNTING SIZE 板厚尺寸**
Size: 10
Cavity 孔口: CS10-4N
See Page Appendixes-A_004
見附錄 A_004 頁面

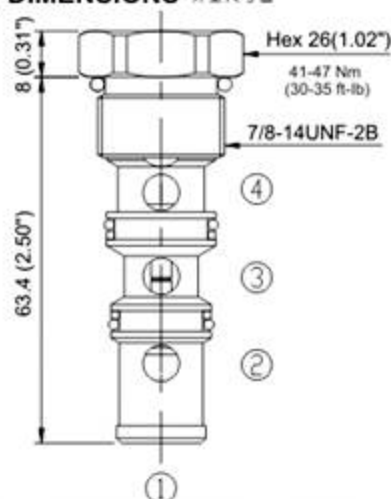
◆ **TYPICAL APPLICATION 典型應用**



◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

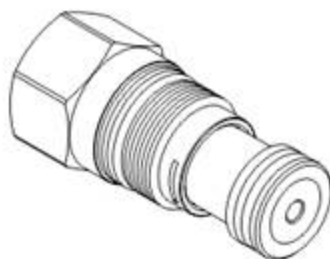


DIRECTIONAL VALVES 方向閥

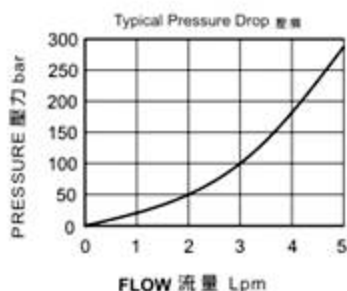
VLSY SERIES CARTRIDGE SHUTTLE VALVES VLSY 系列插入式梭動閥

◆ MODEL 型 式

VLSY-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
VLSY-02	350 (5076 psi)	10 (2.64 gpm)	0.1 (0.22 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
VLSY	02

1 VALVE SERIES 系列名稱

VLSY= CARTRIDGE SHUTTLE VALVES

插入式梭動閥

2 SUBPLATE MOUNTING SIZE 編 碼 口 徑

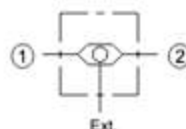
02 : T-13A

Cavity 孔口: CST-13A

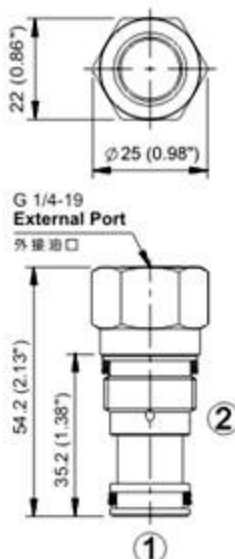
See Page Appendixes-A_006

見附錄A_006頁面

◆ CONTROL PORT(S) 動作形式

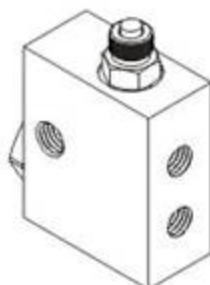


◆ DIMENSIONS 外型尺寸圖

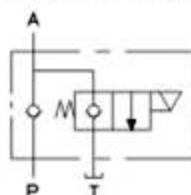


◆ **MODEL 型 式**

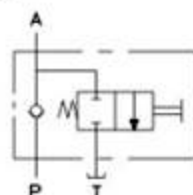
VLT-03



◆ **CONTROL PORT(S) 動作形式**



A : Solenoid type
電動方式



B : Manual type
手動方式

◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VLT-03-A	250 (3626 psi)	35 (9.25 gpm)	1.1 (2.43 lbs)
VLT-03-B			1.0 (2.20 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
VLT	03	B	**

1 VALVE SERIES 系列名稱

VLT = LIFT VALVE 升降閥

2 SUBPLATE MOUNTING SIZE 副牌口徑

Size: 03=3/8"

3 MODE OF OPERATION 操作方式

A : Solenoid type 電動方式

B : Manual type 手動方式

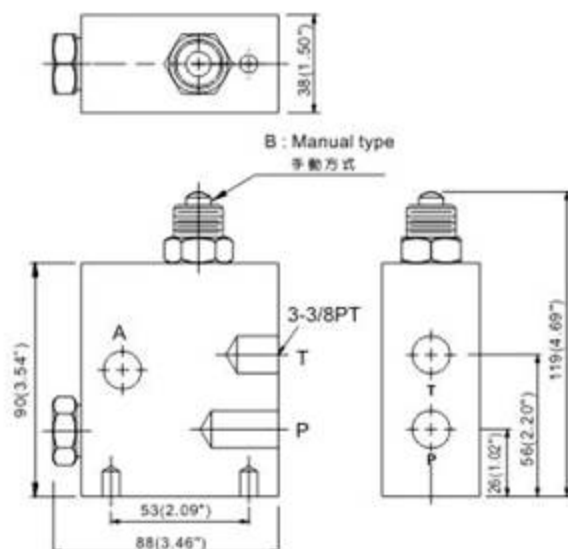
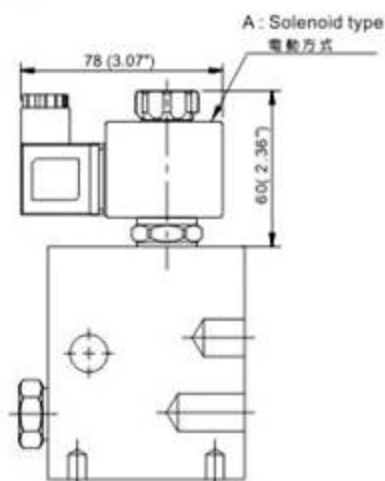
4 TYPE OF COIL (For solenoid type only) 線圈類型 (限電動方式)

None : The manual type has no coil 無·手動方式無線圈

A1: RAC110V 60/50HZ D1: DC12V

A2: RAC220V 60/50HZ D2: DC24V

◆ **DIMENSIONS 外型尺寸圖**

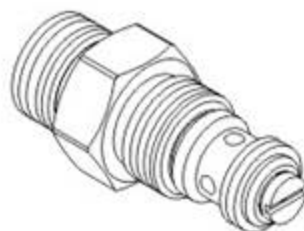


DIRECTIONAL VALVES 方向閥

VMV SERIES VALVOLA FINE CORSA END OF STROKE VALVES VMV 系列極細行程式換向閥

◆ MODEL 型 式

VMV08



◆ DESCRIPTION 說 明

A cam-operated, two-way, normally-closed poppet-type directional valve.
凸輪操作・二方向・正常關閉提升型式方向閥。

◆ PERFORMANCE 特性曲線

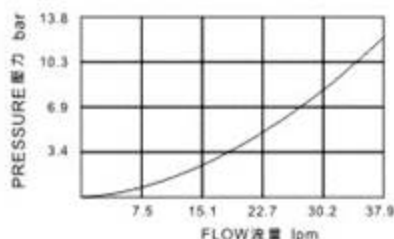
(Cartridge Only)

Oil Temperature : 50°C (122°F)

油溫度

Viscosity : 35 cSt

黏度



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VMV-08	250 (3626 psi)	15.1 (3.99 gpm)	0.35 (0.77 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
VMV	08

1 VALVE SERIES 系列名稱

VMV=MANUAL RELEASE VALE

手動釋放型

2 SUBPLATE MOUNTING SIZE 接口口徑

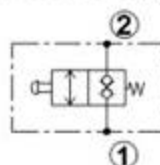
Size:08

Cavity 孔口:CS08-2N

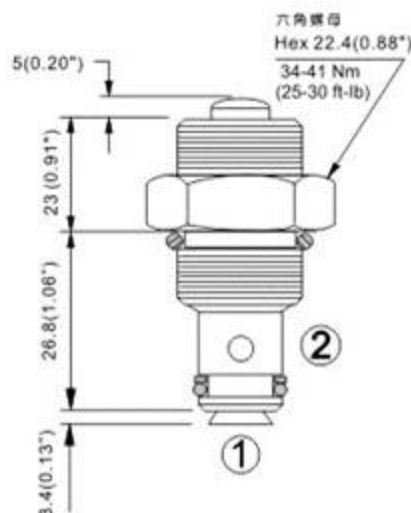
See Page Appendixes-A_001

見附錄A_001 頁面

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

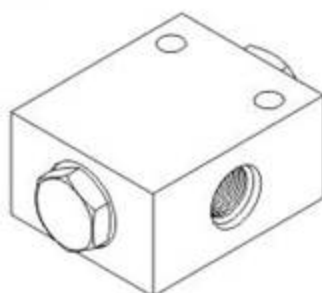


DIRECTIONAL VALVES 方向閥

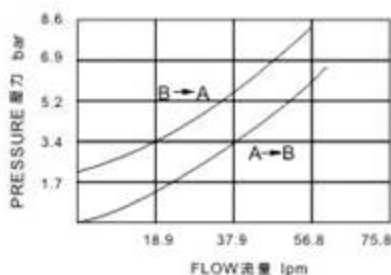
VPC SERIES PILOT OPERATED CHECK VALVES VPC 系列引導式止逆閥

◆ MODEL 型 式

VPC-10



◆ PERFORMANCE 特性曲線 (Cartridge Only)



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VPC-10	350 (5076 psi)	6:1	70 (18.49 gpm)	2.2 (4.85 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
VPC	10	*	10

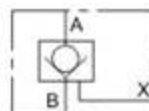
1 VALVE SERIES 系列名稱
VPC = PILOT OPERATED CHECK VALVES
引導式止逆閥

2 PORTING 端口
1/2

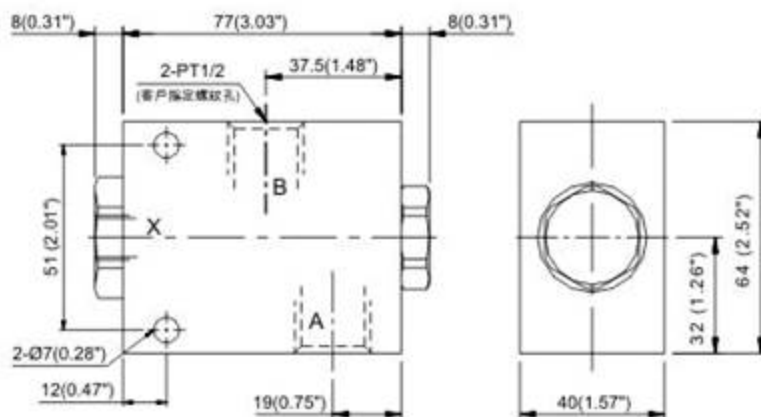
3 THREADED TYPE 螺紋規格
1P: PT 2N: NPT 3G: PF(G)
4A: SAE 5B: BSP

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式

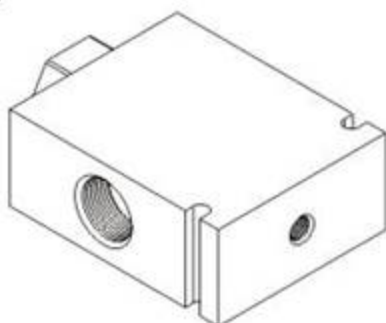


◆ DIMENSIONS 外型尺寸圖

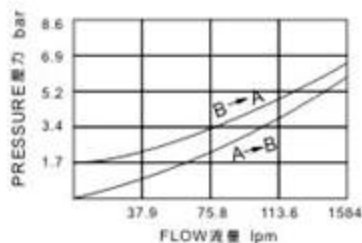


◆ **MODEL 型 式**

VPC-16



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



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VPC-16	350 (5076psi)	3.8:1	150 (39.63 gpm)	5.8 (12.79 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
VPC	16	*	10

1 VALVE SERIES 系列名稱

VPC = PILOT OPERATED CHECK VALVES
引導式止逆閥

2 PORTING 端口

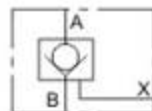
1"

3 THREADED TYPE 螺紋規格

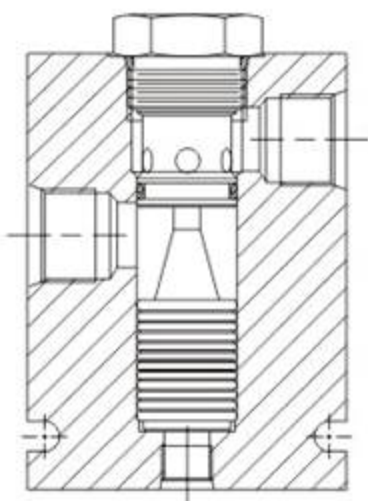
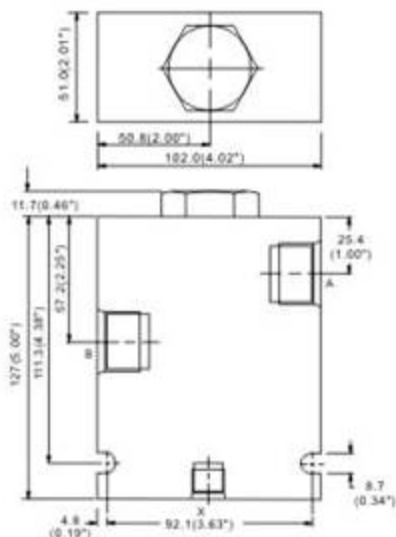
1P: PT 2N: NPT 3G: PF(G)
4A: SAE 5B: BSP

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**

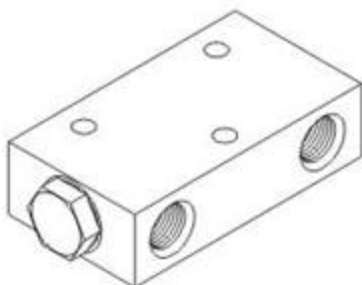


◆ **DIMENSIONS 外型尺寸圖**



◆ **MODEL 型 式**

VPCL-08

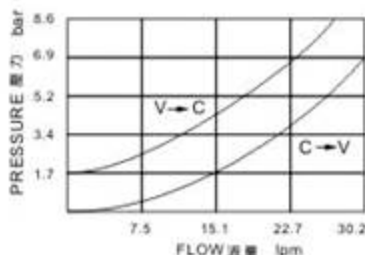


◆ **DESCRIPTION 說明**

An in-line-housed, double-pilot-operated, hydraulic check valve for use in blocking or load holding circuits.

內線隔，雙重引導操作，使用於鎖閉或保持負載電路的液壓止逆閥。

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



◆ **SPECIFICATIONS 規格**

Model Number 型號號碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VPCL-08	350 (5076 psi)	4:1	30 (7.93 gpm)	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		ISO4406, 21/19/16 NAS1638,10		

◆ **HOW TO ORDER 編號說明**

1	2	3
VPCL	08	*

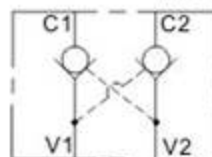
1 **VALVE SERIES 系列名稱**

VPCL = PILOT OPERATED CHECK VALVES
引導式止逆閥

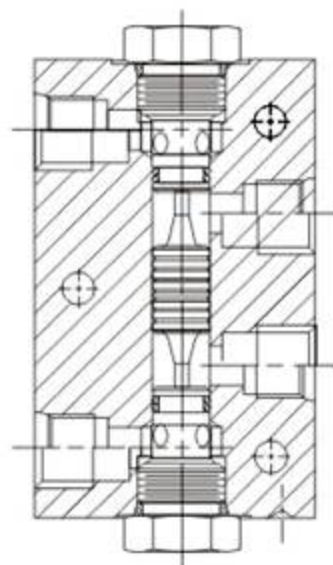
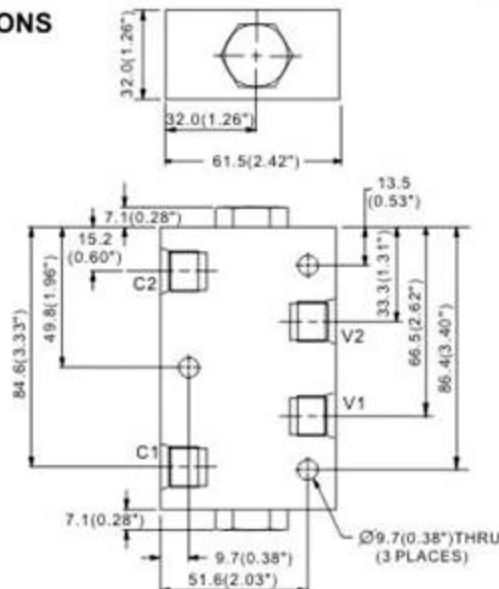
2 **PORTING 端口 3/8**

3 **THREADED TYPE 螺紋規格**
1P: PT 2N: NPT 3G: PF(G)
4A: SAE 5B: BSP

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

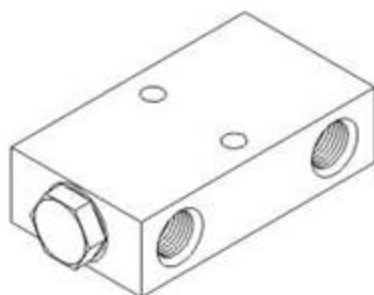


DIRECTIONAL VALVES 方向閥

VPCL SERIES PILOT OPERATED CHECK VALVES VPCL 系列引導式止逆閥

MODEL 型 式

VPCL-10



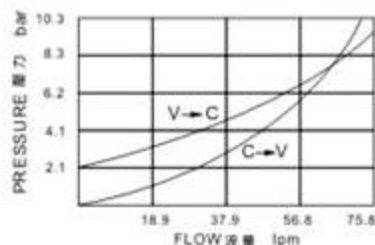
DESCRIPTION 說明

An in-line-housed, double-pilot-operated, hydraulic check valve for use in blocking or load holding circuits.

內建閥，雙重引導操作，使用於關閉或保持負載電路的液壓止逆閥。

PERFORMANCE 特性曲線

(Cartridge Only)



SPECIFICATIONS 規格

Model Number 型 號	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VPCL-10	350 (5076 psi)	4:1	75 (19.81 gpm)	3.0 (6.61 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
VPCL	10	*

1 VALVE SERIES 系列名稱

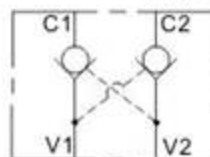
VPCL = PILOT OPERATED CHECK VALVES
引導式止逆閥

2 PORTING 接口 1/2

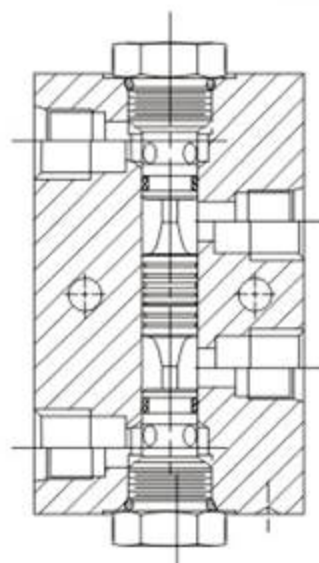
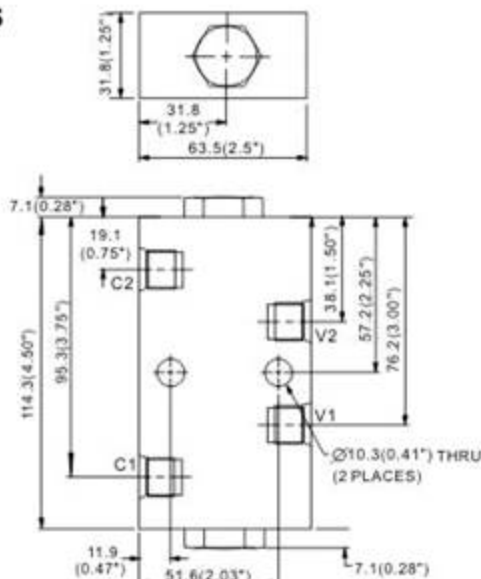
3 THREADED TYPE 螺紋規格

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

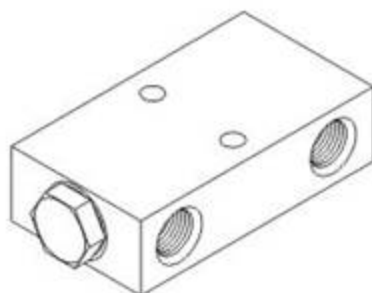
CONTROL PORT(S) 動作形式



DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**
VPCL-12

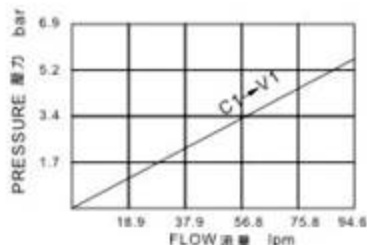


◆ **DESCRIPTION 說明**

An in-line-housed, double-pilot-operated, hydraulic check valve for use in blocking or load holding circuits.

內線隔 - 雙重引導操作 - 使用於鎖能或保持負載電路的液壓止逆閥。

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



◆ **SPECIFICATIONS 規格**

Model Number 型 式 號 碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VPCL-12	350 (5076 psi)	4:1	95 (25.10 gpm)	7.5 (16.53 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)		
Contamination Level 污染標準		ISO4406: 21/19/16 NAS1638,10		

◆ **HOW TO ORDER 編號說明**

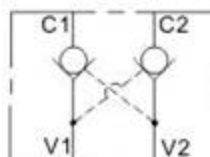
1	2	3
VPCL	12	*

1 VALVE SERIES 系列名稱
VPCL = PILOT OPERATED CHECK VALVES
引導式止逆閥

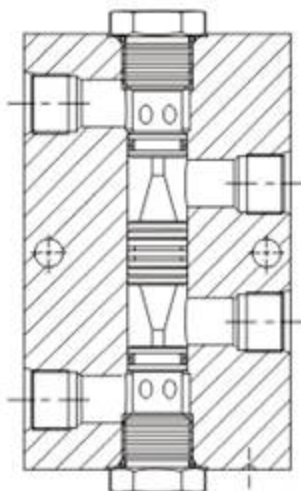
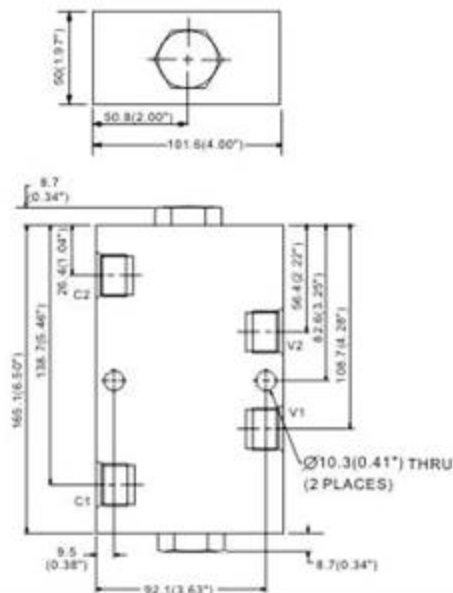
2 PORTING 接口 3/4

3 THREADED TYPE 螺紋規格
1P: PT 2N: NPT 3G: PF(G)
4A: SAE 5B: BSP

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



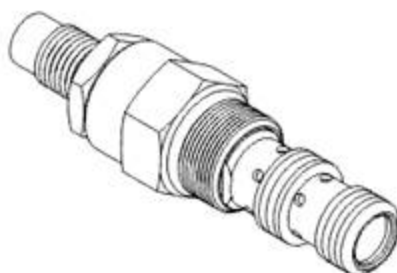
DIRECTIONAL VALVES

方向閥

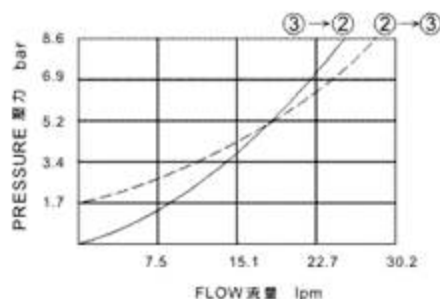
VPCT SERIES PILOT OPERATED CHECK VALVES

VPCT 系列插入式引導止逆閥

◆ MODEL 型 式 VPCT-08



◆ PERFORMANCE 特性曲線 (Cartridge Only)



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VPCT-08	250 (3626 psi)	23 (6.08 gpm)	0.16 (0.35 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

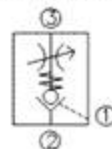
1	2	3
VPCT	08	30

- 1 VALVE SERIES 系列名稱**
VPCT = Pilot Operated Check Valves
(Throttle Included)
引導式止逆閥(附節流)

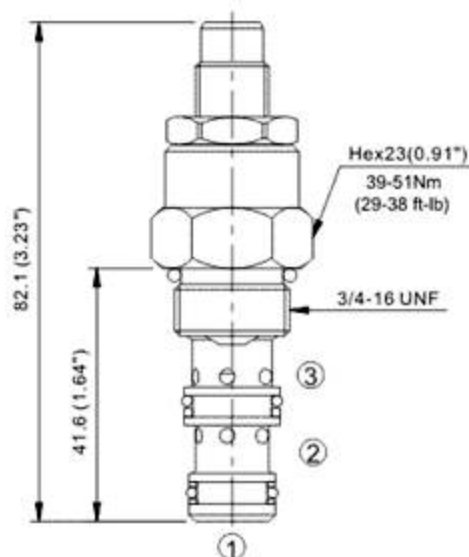
- 2 PORTING 接口**
Size: 08
Cavity 孔口: CS08-3N
See Page Appendixes-A_002
見附錄A_002 頁面

- 3 DESIGN NO 設計編號**

◆ CONTROL PORT(S) 動作形式

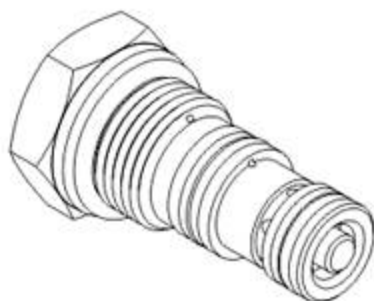


◆ DIMENSIONS 外型尺寸圖



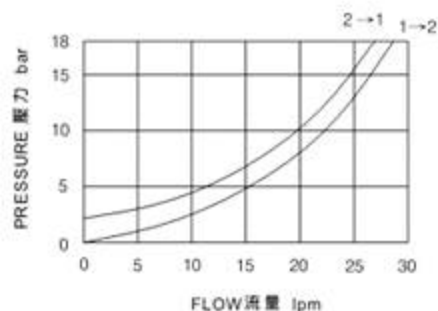
◆ **MODEL 型 式**

VPK-08



◆ **PERFORMANCE (Cartridge Only)**

特性曲線



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Cracking Pressure 開啟壓力 bar	Pilot Ratio 引導比例	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VPK-08	350 (5076 psi)	2 (29 psi)	3:1	30 (7.93 gpm)	0.12 (0.27 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
VPK	08	*

1 VALVE SERIES 系列名稱

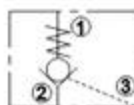
VPK=CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

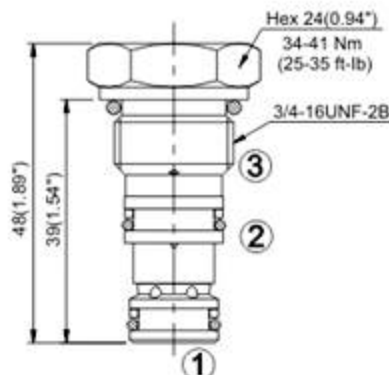
Size : 08
Cavity 孔口: CS08-3S
See Page Appendixes-A_003
見附錄A_003 頁面

3 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

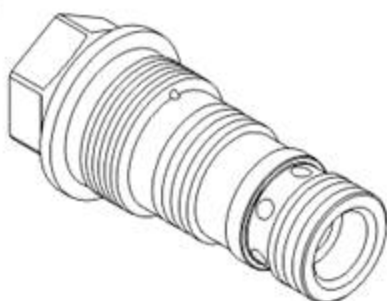


DIRECTIONAL VALVES 方向閥

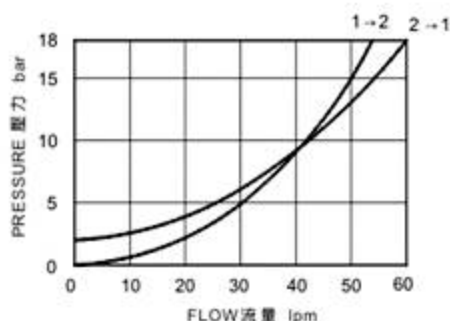
VPK SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VPK系列插入式引導止逆閥

◆ MODEL 型 式

VPK-10



◆ PERFORMANCE (Cartridge Only) 特性圖



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Cracking Pressure 開啟壓力 bar	Pilot Ratio 引導比例	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VPK-10	350 (5076 psi)	2 (29 psi)	3.2 : 1	60 (15.85 gpm)	0.15 (0.33 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
VPK	10	*

1 VALVE SERIES 系列名稱

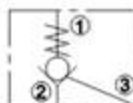
VPK=CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

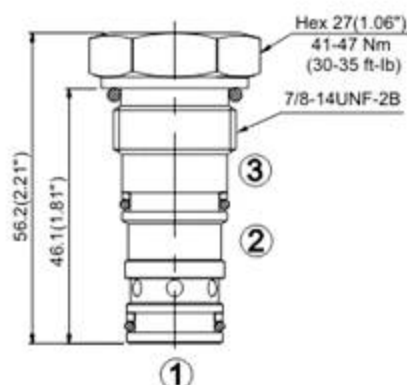
Size : 10
Cavity 孔口: CS10-3S
See Page Appendix-A_003
見附錄A_003 頁面

3 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

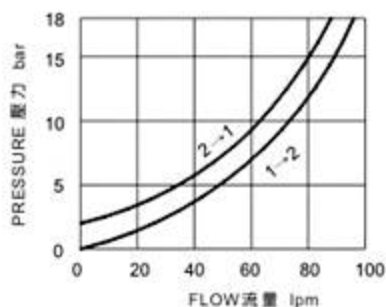


◆ **MODEL 型 式**

VPK-12



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



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Cracking Pressure 開啟壓力 bar	Pilot Ratio 引導比例	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VPK-12	350 (5076 psi)	2 (29 psi)	3.2 : 1	120 (31.70 gpm)	0.26 (0.57 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
VPK	12	*

1 **VALVE SERIES 系列名稱**

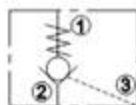
VPK=CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

2 **SUBPLATE MOUNTING SIZE 插口尺寸**

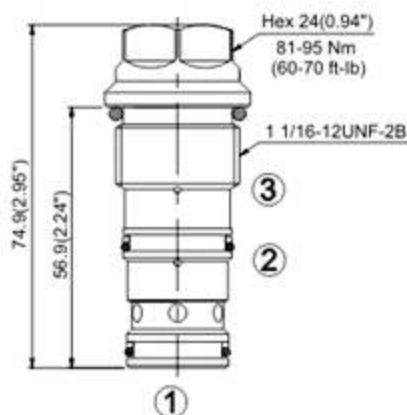
Size : 12
Cavity 孔口: CS12-3S
See Page Appendixes-A_003
見附錄A_003 頁面

3 **DESIGN NO 設計編號**

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

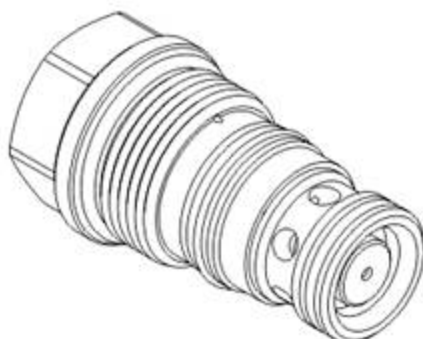


DIRECTIONAL VALVES 方向閥

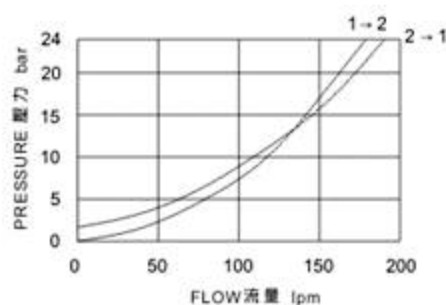
VPK SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VPK系列插入式引導止逆閥

MODEL 型 式

VPK-16



PERFORMANCE (Cartridge Only) 特性曲線



SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Cracking Pressure 開啟壓力 bar	Pilot Ratio 引導比例	Maximum Flow 最大流量 Lpm	Weight 重 量 Kg
VPK-16	350 (5076 psi)	2 (29 psi)	3:1	200 (52.83 gpm)	0.35 (0.77 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
VPK	16	*

1 VALVE SERIES 系列名稱

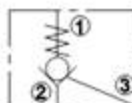
VPK=CARTRIDGE PILOT
OPERATED CHECK VALVES
插入式引導止逆閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

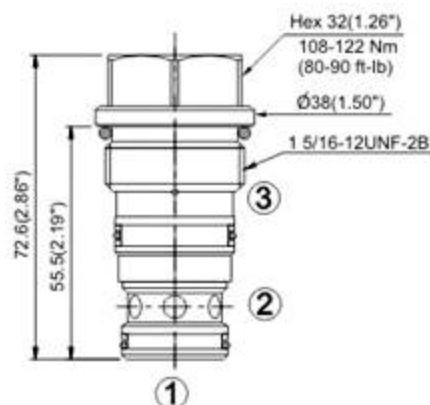
Size : 16
Cavity 孔口: CS16-3S
See Page Appendixes-A_003
見附錄A_003 頁面

3 DESIGN NO 設計編號

CONTROL PORT(S) 動作形式

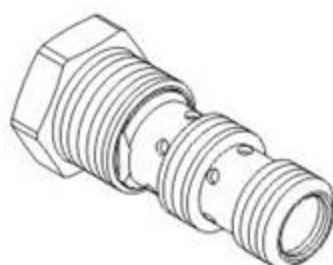


DIMENSIONS 外型尺寸圖

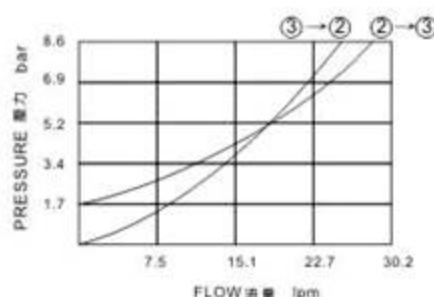


◆ **MODEL 型 式**

VPN-08



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



◆ **SPECIFICATIONS 規 格**

Model Number 型 式 號 碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VPN-08	250 (3626 psi)	3:1 / 4:1	23 (6.08 gpm)	0.1 (0.22 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
VPN	08	3A	30

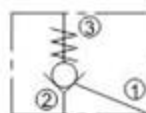
1 VALVE SERIES 系列名稱
VPN = CARTRIDGE PILOT OPERATED CHECK VALVES
插入式引導止逆閥

2 PORTING 端口
Size: 08
Cavity 孔口 CS08-3N
See Page Appendixes-A_002
見附錄A_002 頁表

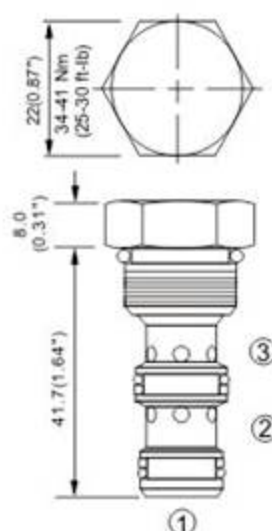
3 PILOT RATIO 引導比例
3A : 3:1
4A : 4:1

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

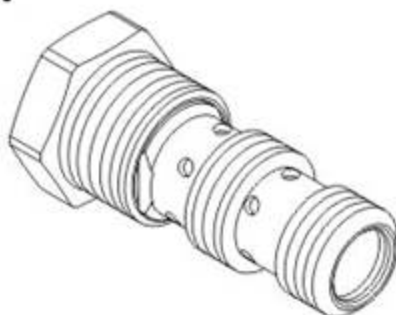


DIRECTIONAL VALVES 方向閥

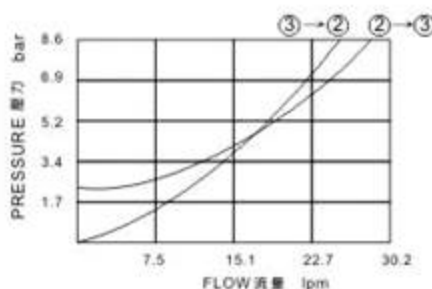
VPN SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VPN 系列插入引導止逆閥

◆ MODEL 型 式

VPN-10



◆ PERFORMANCE 特性曲線 (Cartridge Only)



◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Operating Pressure 操作壓力 bar	Pilot Ratio 引導比例	Flow 流量 lpm	Weight 重量 Kg
VPN-10	250 (3626 psi)	2:1	25 (6.60 gpm)	0.1 (0.22 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
VPN	10	30

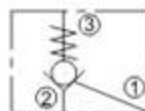
1 VALVE SERIES 系列名稱
VPN = CARTRIDGE PILOT OPERATED CHECK VALVES
插入式引導止逆閥

2 PORTING 端口

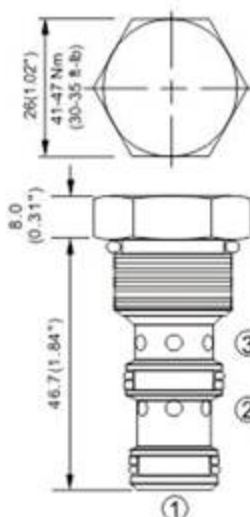
Size: 10
Cavity 孔口: CS10-3N
See Page Appendixes-A_002
見附錄A_002 圖表

3 DESIGN NO 設計編號

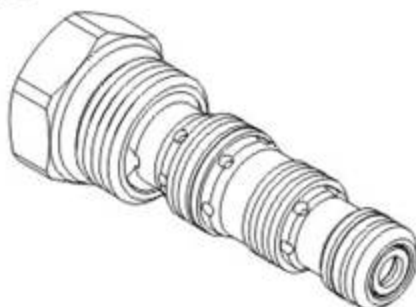
◆ CONTROL PORT(S) 動作形式



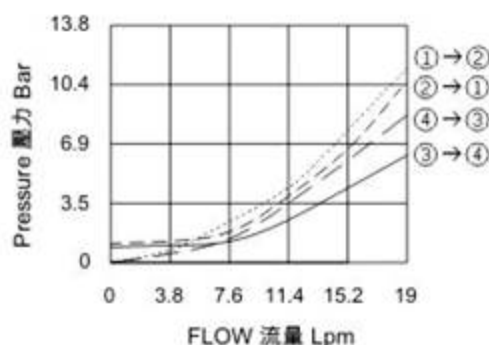
◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**
VPW-08



◆ **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
VPW-08	240 (3481psi)	19 (5.02 gpm)	0.1 (0.22 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**

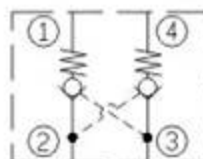
1	2	3
VPW	08	*

- 1 VALVE SERIES 系列名稱**
VPW=CARTRIDGE PILOT OPERATED CHECK VALVES
插入式引導止逆閥

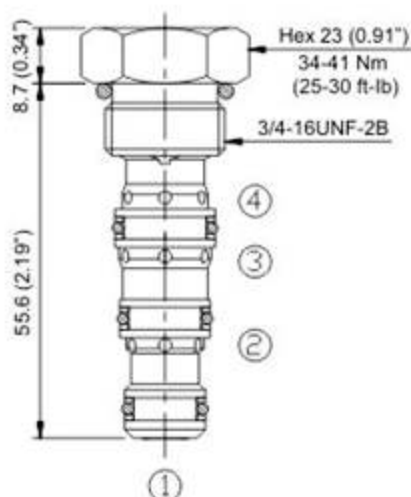
- 2 SUBPLATE MOUNTING SIZE 插板口徑**
Size : 08
Cavity 孔口: CS08-4N
See Page Appendixes-A_004
見附錄 A_004 頁圖

- 3 DESIGN NO 設計編號**

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

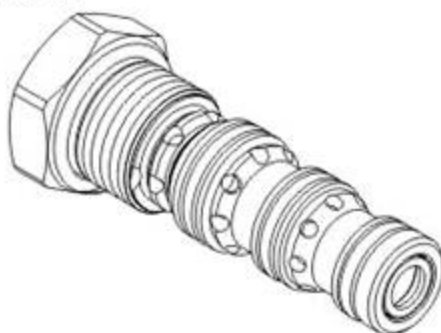


DIRECTIONAL VALVES 方向閥

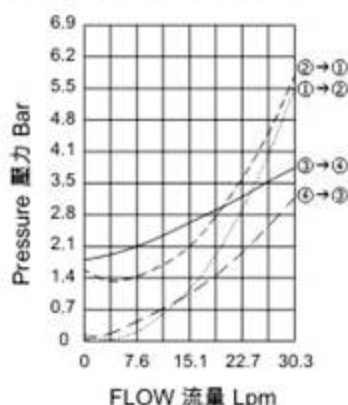
VPW SERIES CARTRIDGE PILOT OPERATED CHECK VALVES VPW系列插入引導止逆閥

◆ MODEL 型 式

VPW-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
VPW-10	240 (3481psi)	31 (8.19 gpm)	0.13 (0.29 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
VPW	10	*

1 VALVE SERIES 系列名稱

VPW=CARTRIDGE PILOT OPERATED CHECK VALVES

插入式引導止逆閥

2 SUBPLATE MOUNTING SIZE 插口尺寸

Size : 10

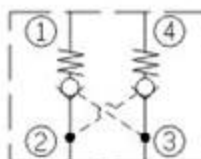
Cavity 孔口:CS10-4N

See Page Appendixes-A_004

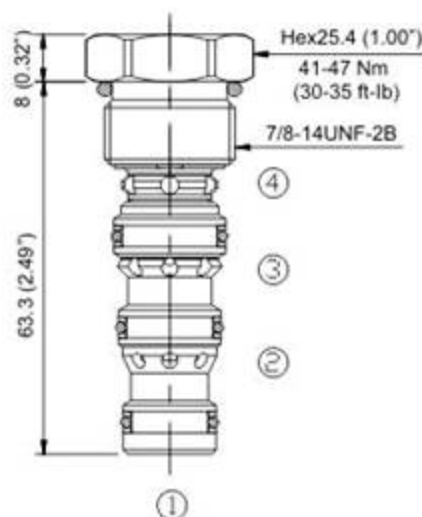
見附錄 A_004 頁圖

3 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



DIRECTIONAL VALVES 方向閥

VSH SERIES CARTRIDGE HOT OIL SHUTTLE VALVES

VSH 系列插入式熱油梭閥

◆ MODEL 型 式

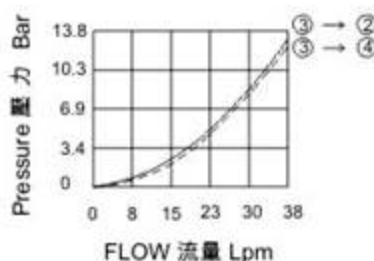
VSH-10



◆ DESCRIPTION 說明

A spool-type, closed in transition, 2-position, 3-way hot oil shuttle valve, which may be used on hydrostatic transmissions to direct charge pump oil to a heat exchanger or to tank. With internal piloting at port ③, ④ or ①, the valve will direct oil from the port opposite of the piloted port to port ①, thus removing oil from the low-pressure side for cooling or filtration purposes. The valve is springless, shifting to other side, rely on solely the internal pilot pressure signal, and is closed in transition. 滑閥型二位三通(切換時閉合)熱油梭閥,用於靜壓傳動,將荷載泵油液傳輸到熱交換器或油箱。利用油口③、④或①處的內控壓力信號,將油從與內控油口相反的油口流到油口①,從而排出低壓端的油液,以達到冷卻或過濾目的。該閥沒有彈簧,完全依靠內控壓力信號將閥芯移動到另一端,並且在切換時閉合。

◆ 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
VSH-10	350 (5076 psi)	38 (10.04 gpm)	0.13 (0.29 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
VSH	10	*

1 VALVE SERIES 系列名稱

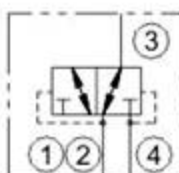
VSH = CARTRIDGE HOT OIL SHUTTLE VALVES
插入式熱油梭閥

2 SUBPLATE MOUNTING SIZE 騎牌口徑

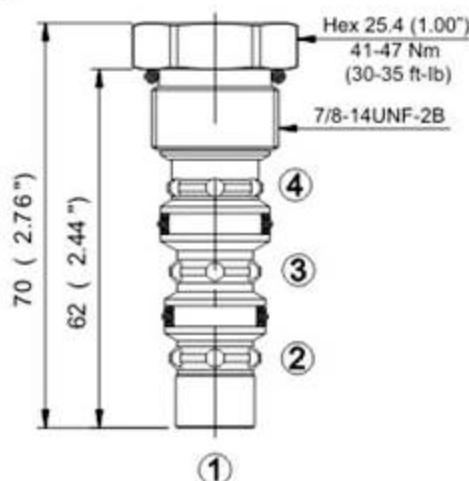
Size : 10
Cavity 孔口: CS10-4N
See Page Appendixes-A_004
見附錄A_004 頁面

3 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

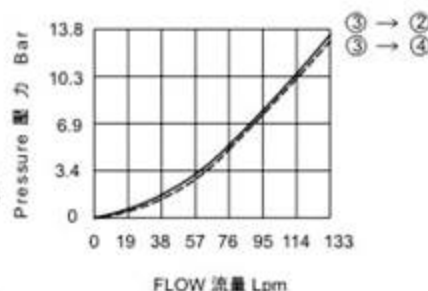
VSH-12



◆ **DESCRIPTION 說明**

A spool-type, closed in transition, 2-position, 3-way hot oil shuttle valve, which may be used on hydrostatic transmissions to direct charge pump oil to a heat exchanger or to tank. With internal piloting at port ①, ② or ③, the valve will direct oil from the port opposite of the piloted port to port ④, thus removing oil from the low-pressure side for cooling or filtration purposes. The valve is springless, shifting to other side, rely on solely the internal pilot pressure signal, and is closed in transition. 滑閥型二位三通(切換時閉合)熱油梭閥,用於靜壓傳動,將補償泵油液傳輸到熱交換器或油箱。利用油口①、②或③處的內控壓力信號,閥將油從與內控油口相反的油口流到油口④,從而排出低壓端的油液,以達到冷卻或過濾目的。該閥沒有彈簧,完全依靠內控壓力信號將閥芯移動到另一端,並且在切換時閉合。

◆ **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
VSH-12	350 (5076 psi)	133 (35 gpm)	0.3 (0.66 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
VSH	12	*

1 VALVE SERIES 系列名稱

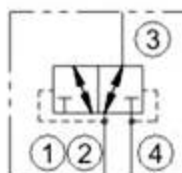
VSH = CARTRIDGE HOT OIL SHUTTLE VALVES
插入式熱油梭閥

2 SUBPLATE MOUNTING SIZE 插接口徑

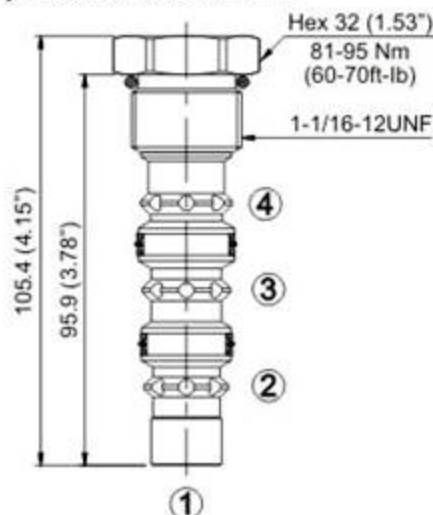
Size : 12
Cavity 孔口: CS12-4N
See Page Appendixes-A_004
見附錄A_004頁碼

3 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



DIRECTIONAL VALVES 方向閥

VSHL SERIES CARTRIDGE LOW SIDE HOT OIL SHUTTLE VALVES VSHL系列插入式低壓熱油換向閥

◆ MODEL 型 式

VSHL-10

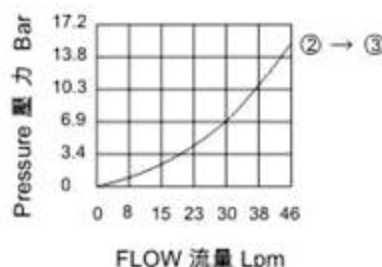


◆ DESCRIPTION 說明

A spool-type, closed in neutral, spring centered, 2-position, 3-way hot oil shuttle valve, which may be used on hydrostatic transmissions to direct charge pump oil to a heat exchanger or to tank. With internal piloting at port ①, ② or ③, the valve will direct oil from the port opposite of the piloted port to port ④, thus removing oil from the low-pressure side for cooling or filtration purposes. The valve has a spring-centered spool, and is closed in neutral position.

滑閥型二位三通(中位閉合, 彈簧對中)熱油換向閥, 用於靜壓傳動, 將補償泵油液傳輸到熱交換器或油箱, 利用油口 ①, ② 或 ③ 處的內控壓力信號, 閥將油從與內控油口相反的油口流到油口 ④, 從而排出低壓端的油液, 以達到冷卻或過濾目的。該閥帶有彈簧對中閥芯, 並且在中位閉合。

◆ 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
VSHL-10	350 (5076 psi)	46 (12.15gpm)	0.13 (0.29 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	

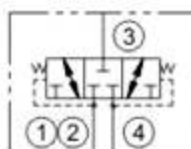
◆ HOW TO ORDER 編號說明

1	2	3
VSHL	10	*

1 VALVE SERIES 系列名稱

VSHL = CARTRIDGE LOW SIDE HOT OIL SHUTTLE VALVES
插入式低壓熱油換向閥

◆ CONTROL PORT(S) 動作形式

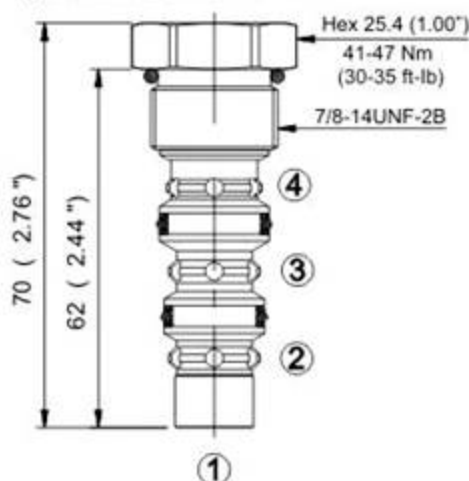


2 SUBPLATE MOUNTING SIZE 轉印口徑

Size : 10
Cavity 孔口: CS10-4N
See Page Appendixes-A_004
見附錄A_004 頁面

3 DESIGN NO 設計編號

◆ DIMENSIONS 外型尺寸圖



◆ **MODEL** 型 式

VSHL-12

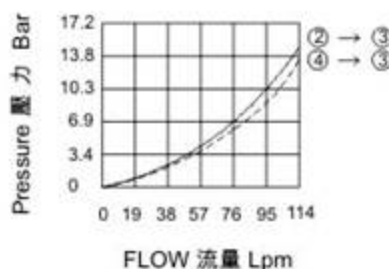


◆ **DESCRIPTION** 說明

A spool-type, closed in neutral, spring centered, 2-position, 3-way hot oil shuttle valve, which may be used on hydrostatic transmissions to direct charge pump oil to a heat exchanger or to tank. With internal piloting at port ①, ② or ③, the valve will direct oil from the port opposite of the piloted port to port ④, thus removing oil from the low-pressure side for cooling or filtration purposes. The valve has a spring-centered spool, and is closed in neutral position.

滑閥型二位三通(中位閉合,彈簧對中)熱油梭閥,用於靜壓傳動,將補償泵油液傳輸到熱交換器或油箱,利用油口 ①、② 或 ③ 處的內控壓力信號,閥將油從與內控油口相反的油口流到油口 ④,從而排出低壓端的油液,以達到冷卻或過濾目的。該閥帶有彈簧對中閥芯,並且在中位閉合。

◆ **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
VSHL-12	350 (5076 psi)	114 (30.12 gpm)	0.3 (0.66 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
VSHL	12	*

1 **VALVE SERIES** 系列名稱

VSHL = CARTRIDGE LOW SIDE HOT OIL SHUTTLE VALVES

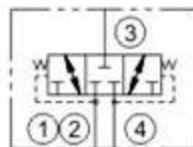
插入式低壓熱油梭閥

2 **SUBPLATE MOUNTING SIZE** 安裝口徑

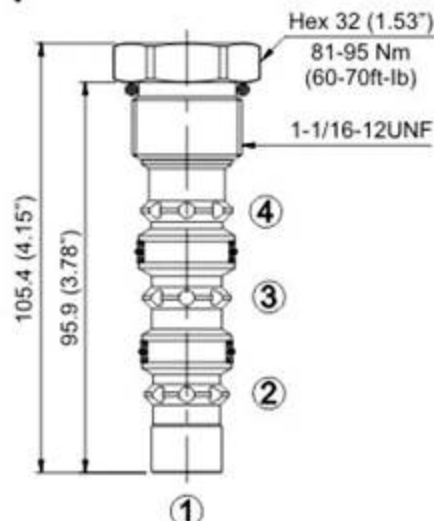
Size : 12
Cavity 孔口: CS12-4N
See Page Appendixes-A_004
見附錄A_004 頁碼

3 **DESIGN NO** 設計編號

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖

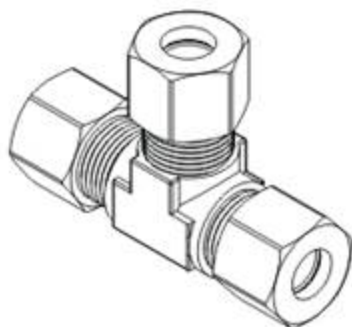


DIRECTIONAL VALVES 方向閥

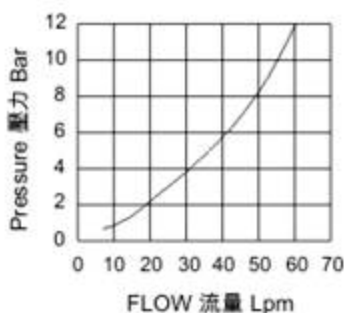
WV SERIES JOINTED SHUTTLE VALVES WV系列接頭式梭動閥

◆ MODEL 型式

WV12-S



◆ 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
WV12-S	315 (4569 psi)	40 (10.57 gpm)	0.3 (0.66 bs)
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		$\beta_{0.5} \geq 75$, Under NAS Class 12,25 μ	

◆ HOW TO ORDER 編號說明

1	2	3
WV	12	S

1 VALVE SERIES 系列名稱

WV = JOINTED SHUTTLE VALVE

接頭式梭動閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

12 = 銅管直徑 (mm)

◆ CONTROL PORT(S) 動作形式



3 DESIGN NO 設計編號

◆ DIMENSIONS 外型尺寸圖

