

FLOW CONTROL VALVES 流量控制閥

FCA SERIES CARTRIDGE CHECK THROTTLE VALVES FCA 系列插入式止逆節流閥

◆ MODEL 型 式

FCA



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Cracking 壓力 kg/cm ²	Flow 流量 lpm	Weight 重量 Kg
FCA-02	250 (3626 psi)	0.3	30 (7.93 gpm)	0.2 (0.45 lbs)
FCA-03			80 (21.13 gpm)	0.5 (1.13 lbs)
FCA-06			160 (42.27 gpm)	0.8 (1.8 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
FCA	03	A	10

1 VALVE SERIES 系列名稱

FCA= CARTRIDGE CHECK THROTTLE VALVES
插入式止逆節流閥

2 SUBPLATE MOUNTING SIZE 插板口徑

02(1/2), 03(3/8), 06(3/4)

3 CRACKING 壓力

A: 0.3kg/cm²

B: 1kg/cm²

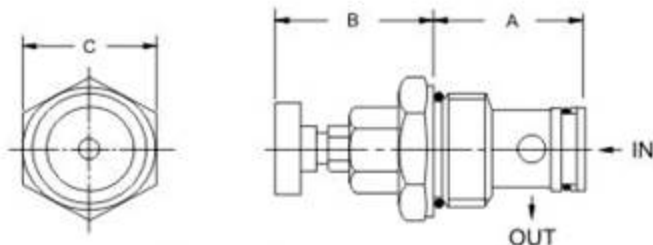
4 DESIGN NO 設計編號

◆ DIMENSIONS 外型尺寸圖

Cartridge Cavities

See VCA Series

插入閥孔徑 見 VCA 系列



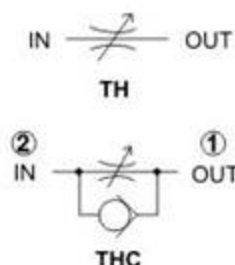
Model 型式	Size 尺寸	A	B	C
FCA-02		35	32	28
FCA-03		48	46	41
FCA-06		60	46	46

◆ **MODEL 型 式**

TH
THC



◆ **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
TH-03	250 (3626psi)	80 (21.13 gpm)	0.4 (0.9 lbs)
TH-06		160 (42.27 gpm)	0.6 (1.3 lbs)
Fluid Type 液體型式		ISO VG 32 , 46 , 68	
Viscosity 黏性 cSt		10~400 (59~1854 SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3
TH *	03 — 10	

1 VALVE SERIES 系列名稱

TH= CARTRIDGE THROTTLE VALVES
插入式單向節流閥

THC= CARTRIDGE CHECK THROTTLE VALVES
插入式單向止逆節流閥

3 DESIGN NO 設計編號

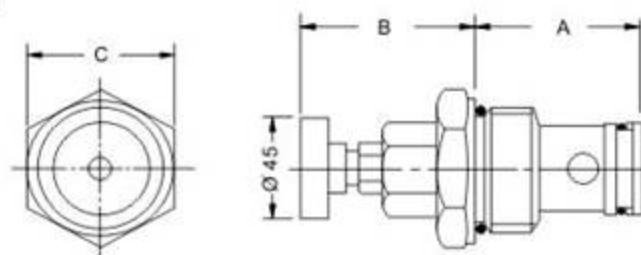
2 SUBPLATE MOUNTING SIZE 插板口徑

03(3/8), 06(3/4)

◆ **DIMENSIONS 外型尺寸圖**

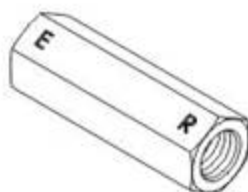
Cartridge Cavities
See VCA Series

插入閥孔徑 見 VCA 系列



Model 型式	Size 尺寸	A	B	C
TH*-03		48	60	41
TH*-06		60	64	50

◆ **MODEL 型 式**
VAF-02 / 03 / 04 / 06



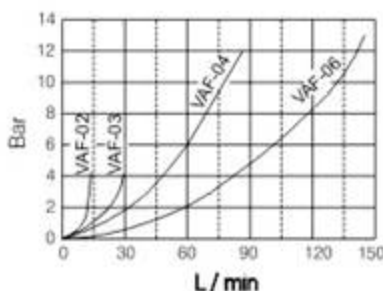
DESCRIPTION-OPERATION :

Use this valve as a pressure-compensation throttling valve of descending control, which sustains a constant descending speed of loading although the loading fluctuation might be significant; user can adjust the distance and preset the passing flow rate.

操作說明:

此閥應用在下降控制, 當作壓力補償節流閥, 可以保持負載的下降速度一定, 儘管負載的重量變化相當大, 可以調整距離, 預先設定通過流量。

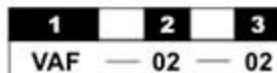
◆ **PERFORMANCE (Cartridge Only)**
特性曲線



◆ **SPECIFICATIONS 規 格**

Model Number 型號號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VAF-02	315 (4569 psi)	10 (2.64 gpm)	0.2 (0.44 lbs)
VAF-03	315 (4569 psi)	25 (6.60 gpm)	0.25 (0.55 lbs)
VAF-04	315 (4569 psi)	67 (17.70 gpm)	0.3 (0.66 lbs)
VAF-06	315 (4569 psi)	150 (39.63 gpm)	0.4 (0.88 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	

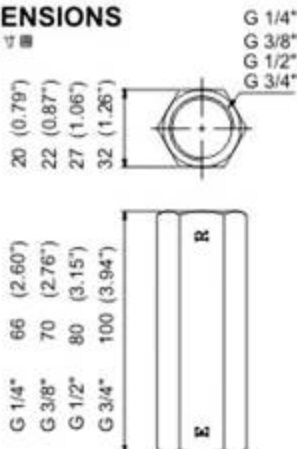
◆ **HOW TO ORDER 編號說明**



1 VALVE SERIES 系列名稱
VAF= PRESSURE COMPENSATED THROTTLE VALVES
壓力補償節流閥

2 SUBPLATE MOUNTING SIZE 副板安裝尺寸
02=G 1/4" 04=G 1/2" 副板口徑
03=G 3/8" 06=G 3/4"

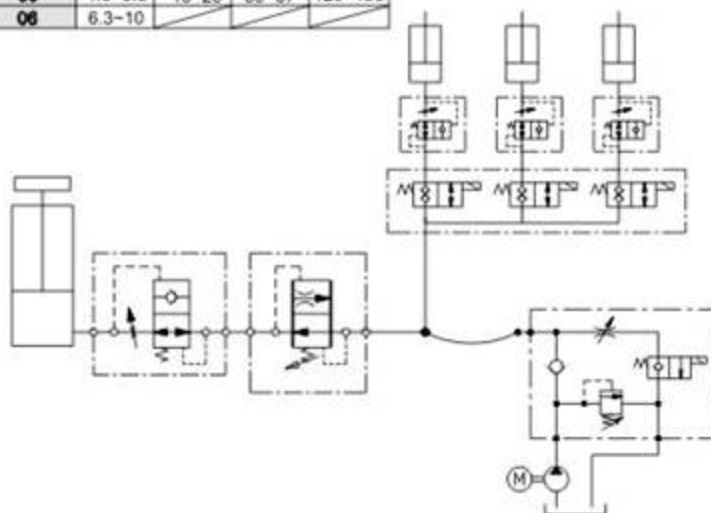
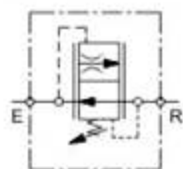
◆ **DIMENSIONS 外型尺寸圖**



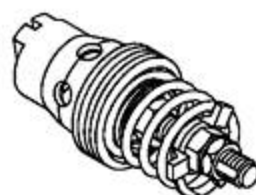
3 REGULATED FLOW RANGE 流量調整範圍

SPECIFICATIONS 規格	REGULATED FLOW RANGE 流量調整範圍			
	E > R L/min			
	VAF-02	VAF-03	VAF-04	VAF-06
01	2.5~4.0	16~21	37~50	120~150
02	1~1.6	4.0~6.3	21~28	50~67
03	1.6~2.5	6.3~10	28~37	67~90
04	2.5~4.0	10~16	37~50	90~120
05	4.0~6.3	16~25	50~67	120~150
06	6.3~10			

◆ **CONTROL PORT(S) 動作形式**



◆ **MODEL 型 式**
VAF-14 / 38 / 12 / 34



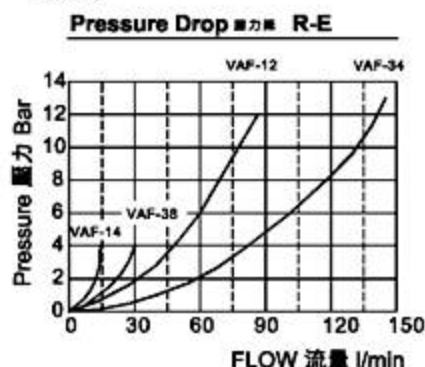
DESCRIPTION-OPERATION :

Use this valve as a pressure-compensation throttling valve of descending control, which sustains a constant descending speed of loading although the loading fluctuation might be significant; user can adjust the distance and preset the passing flow rate.

操作說明:

此閥應用在下降控制,當作壓力補償節流閥,可以保持負載的下降速度一定,儘管負載的重量變化相當大,可以調整距離,預先設定通過流量。

◆ **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
VAF-14	315 (4569 psi)	10 (2.64 gpm)	0.012 (0.026 lbs)
VAF-38	315 (4569 psi)	25 (6.60 gpm)	0.023 (0.051 lbs)
VAF-12	315 (4569 psi)	67 (17.70 gpm)	0.037 (0.082 lbs)
VAF-34	315 (4569 psi)	150 (39.63 gpm)	0.072 (0.159 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 污染程度		ISO4406, 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 訂購說明**

1	2	3
VAF	14	02

1 VALVE SERIES 系列名稱

VAF= PRESSURE COMPENSATED
THROTTLE VALVES
壓力補償節流閥

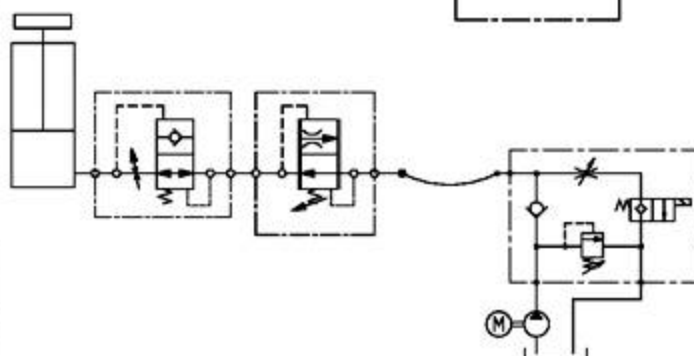
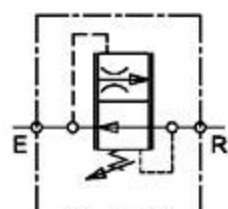
2 SUBPLATE MOUNTING SIZE 板口徑

14=G 1/4" 12=G 1/2"
38=G 3/8" 34=G 3/4"

3 REGULATED FLOW RANGE 流量調節範圍

SPECIFICATIONS 規格	REGULATED FLOW RANGE 流量調節範圍			
	E > R l/min			
	14	38	12	34
01	1~1.8	2.5~4.0	16~21	37~50
02	1.8~2.5	4.0~6.3	21~28	50~67
03	2.5~4.0	6.3~10	28~37	67~90
04	4.0~6.3	10~16	37~50	90~120
05	6.3~10	16~25	50~67	120~150
06				

◆ **CONTROL PORT(S) 動作形式**

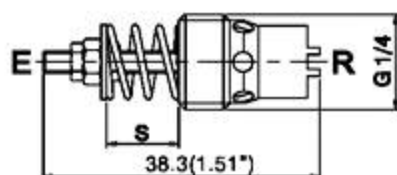


FLOW CONTROL VALVES 流量控制閥

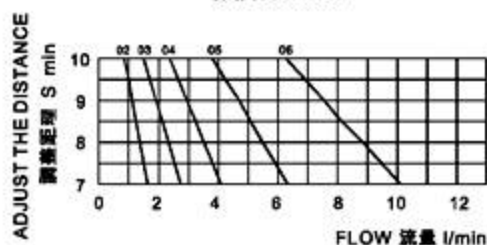
VAF SERIES PRESSURE COMPENSATED THROTTLE VALVES VAF系列壓力 compensated 節流閥

◆ DIMENSIONS 外型尺寸

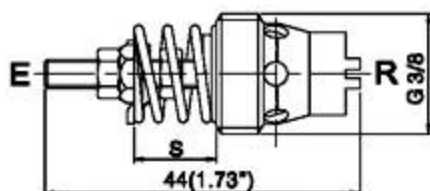
VAF-14



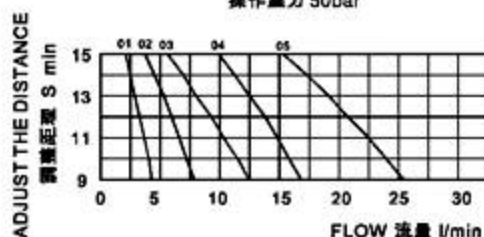
OPERATING PRESSURE 50 bar
操作壓力 50bar



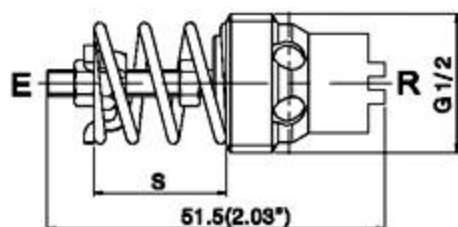
VAF-38



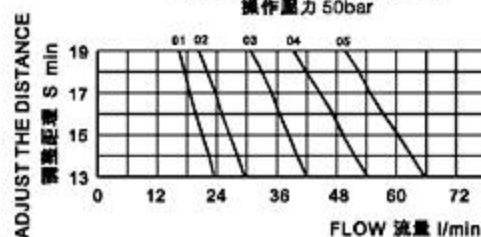
OPERATING PRESSURE 50 bar
操作壓力 50bar



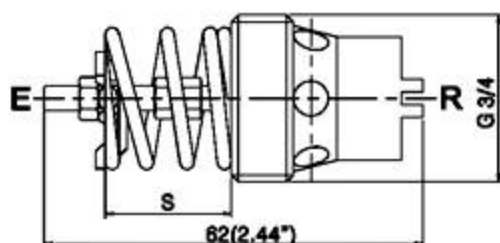
VAF-12



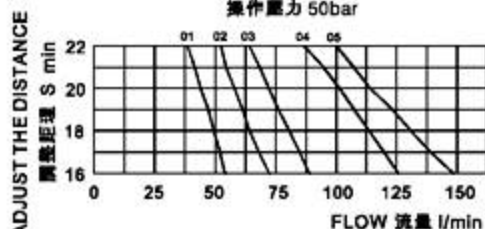
OPERATING PRESSURE 50 bar
操作壓力 50bar



VAF-34

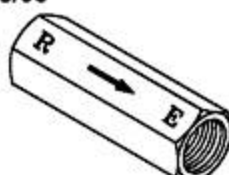


OPERATING PRESSURE 50 bar
操作壓力 50bar

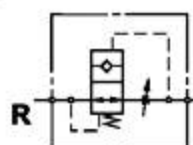


◆ **MODEL 型 式**

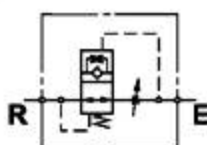
VAS-02/03/04/06/08



◆ **CONTROL PORT(S) 動作形式**



Hose burst check valve
防爆閥



Hose burst valve
with orifice
帶節流口防爆閥

◆ **SPECIFICATIONS 規格**

Model Number 型號	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VAS-02	350 (5076 psi)	25 (6.60 gpm)	0.12 (0.26 lbs)
VAS-03	350 (5076 psi)	50 (13.21 gpm)	0.15 (0.33 lbs)
VAS-04	350 (5076 psi)	80 (21.13 gpm)	0.23 (0.51 lbs)
VAS-06	350 (5076 psi)	150 (39.63 gpm)	0.36 (0.79 lbs)
VAS-08	350 (5076 psi)	220 (58.12 gpm)	1.05 (2.31 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	3
VAS	03	00

1 **VALVE SERIES 系列名稱**

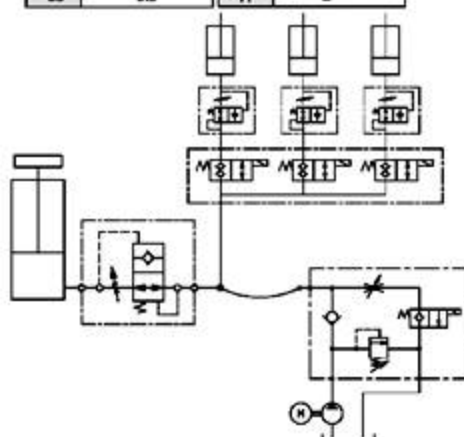
VAS = Hose Burst Protection Cartridge Type Valves
插入式防爆閥

2 **SUBPLATE MOUNTING SIZE 螺牙口徑**

02=G1/4" 03=G3/8" 04=G1/2" 06=G3/4" 08=G1"

3 **ORIFICE DIMENSION 節流口尺寸**

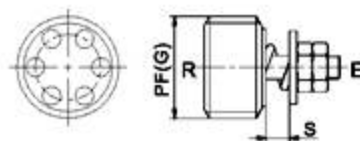
Order 編號	Orifice Diameter 節流口直徑 (mm)	Order 編號	Orifice Diameter 節流口直徑 (mm)
00	No orifice 無節流口	06	1
01	0.5	07	1.2
02	0.6	08	1.3
03	0.7	09	1.5
04	0.8	10	1.9
05	0.9	11	2



◆ **DESCRIPTION-OPERATION 動作說明**

When the lowering speed exceeds preset value, as it might happen in case of hose failure, the flow is blocked. These valves should ideally be screwed directly into the actuator outlet port. Sealing parts are superfinished and enable to lock the load in the position where the actuator is in the moment of hose failure. These valves can be supplied, on request, allowing an emergency lowering of the load. It is recommended to fit a flow regulator valve downstream the hose burst valve, at the end of the flexible hose, to control the lowering speed at the nominal value. The "S" gap must be adjusted to allow a flow at least 50% over the nominal regulated flow from the actuator.

當降低速度超過預設值(軟管失效時可能發生這種情況),流量會被切斷,更甚者還能緊急降低負載。這些閥應直接插入油缸出口口。密封零件是超精加工的,能夠鎖緊負載在軟管失效的位置。應根據需要,在軟管下游安裝流量調節閥,以控制降低速度在額定值。應調整 "S" 間隙,以便允許過載流量至少為額定流量的 50%。



◆ **FITTING TOOL DESCRIPTION**

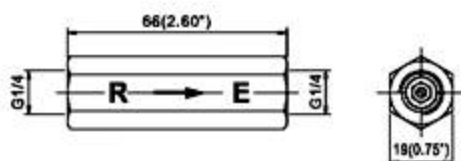
(圖形) 安裝工具尺寸



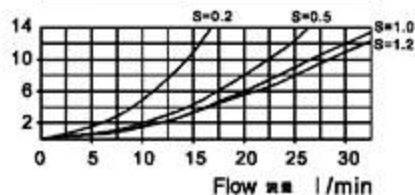
Type	F	L	L1	L2	Material number
G14	11.3(0.45")	120(4.72")	108(4.25")	80(3.15")	VAS-2006
G38	15(0.59")	120(4.72")	108(4.25")	80(3.15")	VAS-3006
G12	18.8(0.74")	120(4.72")	108(4.25")	80(3.15")	VAS-4006
G31	24(0.95")	120(4.72")	108(4.25")	80(3.15")	VAS-6006
G1	30(1.18")	120(4.72")	108(4.25")	80(3.15")	VAS-8006

◆ DIMENSIONS 外形尺寸

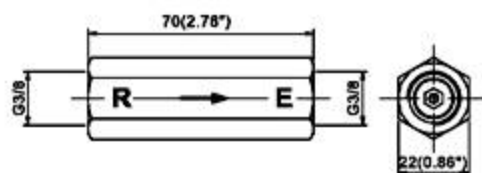
VAS-02



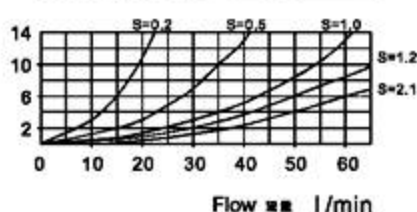
Pressure Drop 压力降 R-E



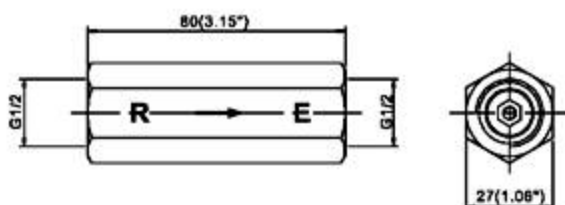
VAS-03



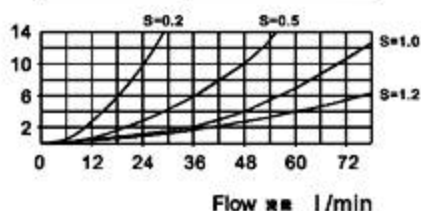
Pressure Drop 压力降 R-E



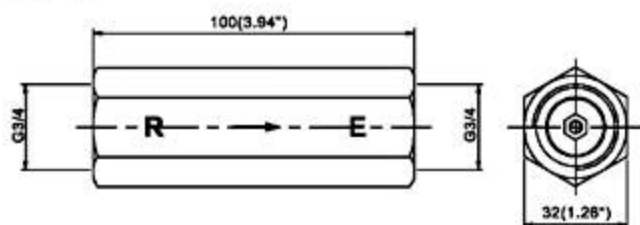
VAS-04



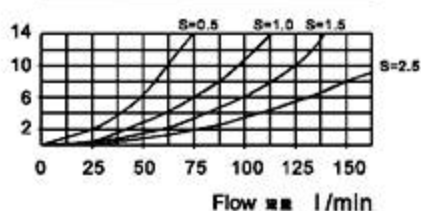
Pressure Drop 压力降 R-E



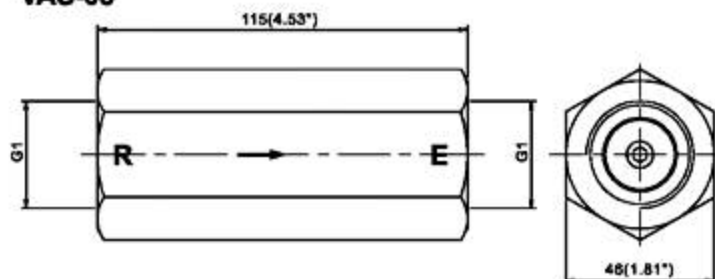
VAS-06



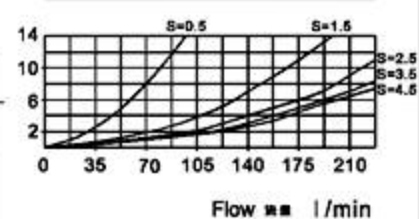
Pressure Drop 压力降 R-E



VAS-08



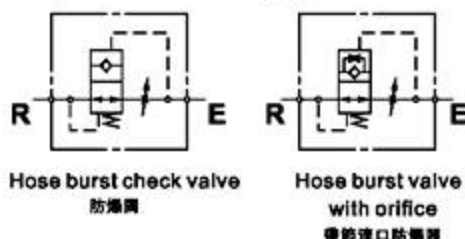
Pressure Drop 压力降 R-E



◆ **MODEL 型 式**
VAS-14/38/12/34/100



◆ **CONTROL PORT(S) 操作形式**



◆ **SPECIFICATIONS 規格**

Model Number 型號	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VAS-14	350 (5076 psi)	25 (6.60 gpm)	0.007 (0.0154 lbs)
VAS-38	350 (5076 psi)	50 (13.21 gpm)	0.013 (0.0287 lbs)
VAS-12	350 (5076 psi)	80 (21.13 gpm)	0.022 (0.0485 lbs)
VAS-34	350 (5076 psi)	150 (39.63 gpm)	0.047 (0.1036 lbs)
VAS-100	350 (5076 psi)	220 (58.12 gpm)	0.093 (0.205 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
VAS	14	00

1 **VALVE SERIES 系列名稱**

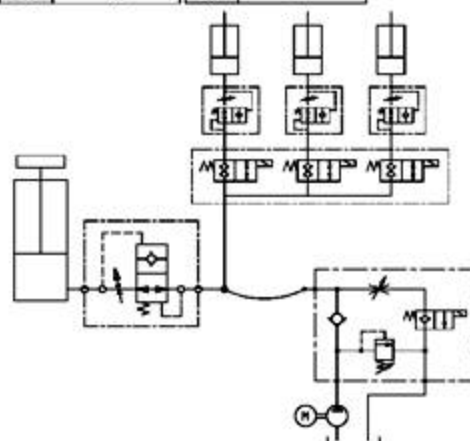
VAS = Hose Burst Protection Cartridge Type Valves
插入式防爆閥

2 **SUBPLATE MOUNTING SIZE 板安裝口徑**

14 = G1/4" 38 = G3/8" 12 = G1/2" 34 = G3/4" 100 = G1"

3 **ORIFICE DIMENSION 節流口尺寸**

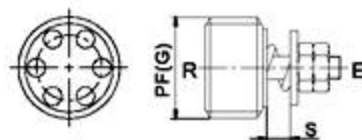
Order 編號	Orifice Diameter 節流口直徑 (mm)	Order 編號	Orifice Diameter 節流口直徑 (mm)
00	No orifice 無節流口	06	1
01	0.5	07	1.2
02	0.6	08	1.3
03	0.7	09	1.5
04	0.8	10	1.9
05	0.9	11	2



◆ **DESCRIPTION-OPERATION 操作說明**

When the lowering speed exceeds preset value, as it might happen in case of hose failure, the flow is blocked. These valves should ideally be screwed directly into the actuator outlet port. Sealing parts are superfinished and enable to lock the load in the position where the actuator is in the moment of hose failure. These valves can be supplied, on request, allowing an emergency lowering of the load. It is recommended to fit a flow regulator valve downstream the hose burst valve, at the end of the flexible hose, to control the lowering speed at the nominal value. The "S" gap must be adjusted to allow a flow at least 50% over the nominal regulated flow from the actuator.

當降低速度超過預設值(如管失效時可能發生這種情況),流量會被切斷。這些閥應直接插入油缸出口口。在油缸口發生軟管失效的位置,密封零件是超精加工的,能夠鎖定油缸的位置。這些閥應允許在緊急情況下降低負載。建議在軟管失效後的下游、軟管的末端安裝流量閥,從而將降低速度控制到公稱值。必須調整 "S" 間隙,以便允許通過油缸缸的流量至少超過調節流量的 50%。



◆ **FITTING TOOL DESCRIPTION**

(圖形) 安裝工具尺寸



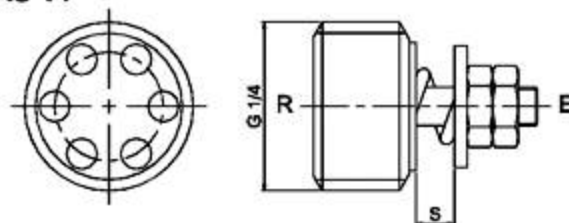
Type	F	L	L1	L2	Material number
G14	11.3(0.45")	120(4.72")	108(4.25")	80(3.15")	VAS-2005
G38	15(0.59")	120(4.72")	108(4.25")	80(3.15")	VAS-3005
G12	18.8(0.74")	120(4.72")	108(4.25")	80(3.15")	VAS-4005
G34	24(0.95")	120(4.72")	108(4.25")	80(3.15")	VAS-6005
G1	30(1.18")	120(4.72")	108(4.25")	80(3.15")	VAS-8005

FLOW CONTROL VALVES 流量控制阀

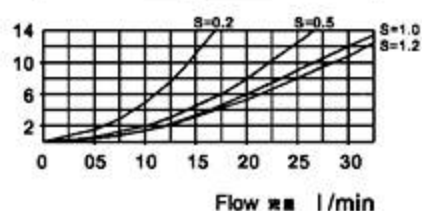
VAS SERIES HOSE BURST PROTECTION CARTRIDGE TYPE VALVES VAS 系列插入式防爆阀

◆ DIMENSIONS 外形尺寸

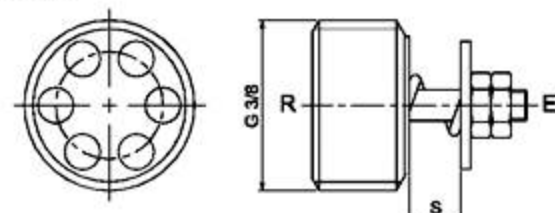
VAS-14



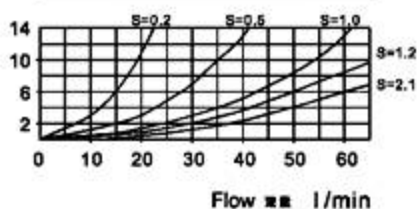
Pressure Drop 压力降 R-E



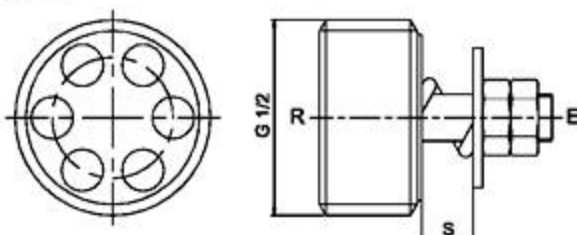
VAS-38



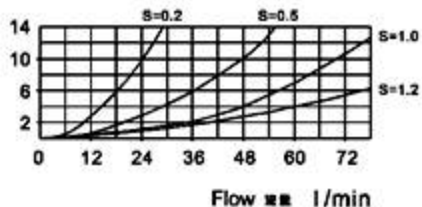
Pressure Drop 压力降 R-E



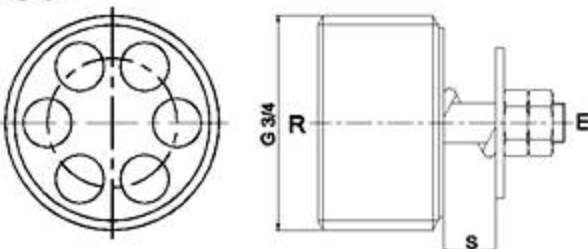
VAS-12



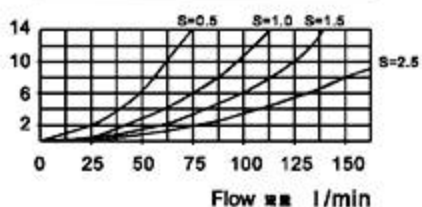
Pressure Drop 压力降 R-E



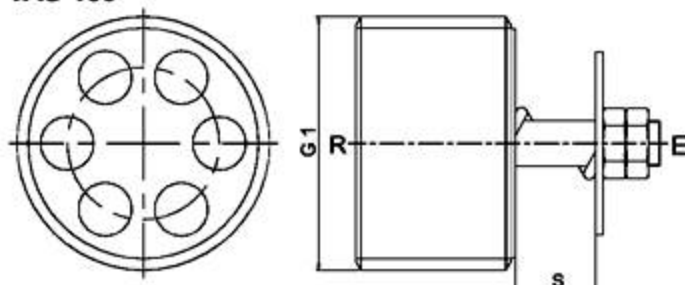
VAS-34



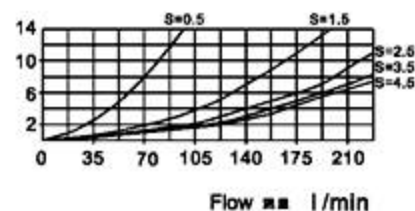
Pressure Drop 压力降 R-E



VAS-100



Pressure Drop 压力降 R-E

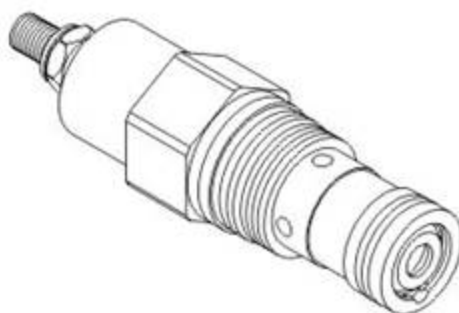


FLOW CONTROL VALVES 流量控制閥

VCF SERIES FULLY ADJUSTABLE PRESSURE COMPENSATED WITH REVERSE FLOW CHECK VCF 系列全調整壓力補償流量閥

◆ MODEL 型 式

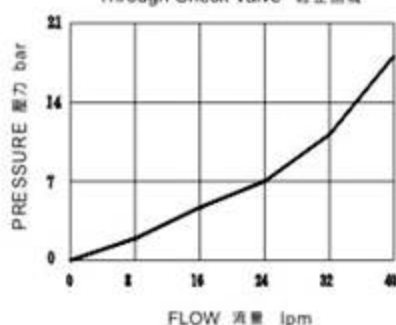
VCF-02



◆ PERFORMANCE (Cartridge Only)

特性曲線

Through Check Valve 截止回閥



◆ 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
VCF-02	350 (5076 psi)	35 (9.25 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
VCF	02	*

1 VALVE SERIES 系列名稱

VCF= Fully Adjustable Pressure Compensated
With Reverse Flow Check
(Unidirectional Valves Included)
全調整壓力補償流量閥 (單向閥)

2 SUBPLATE MOUNTING SIZE 插板口徑

02: T-13A
Control Flow: 0.4~25L
Cavity 孔口: CST-13A
See Page Appendixes-A_006
見附錄A_006 頁面

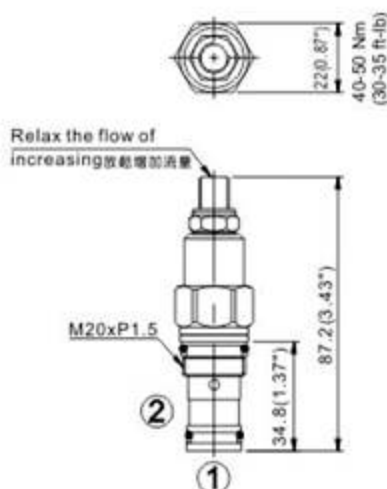
3 ADJUSTMENT OPTION 調整選擇

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

◆ CONTROL PORT(S) 動作形式

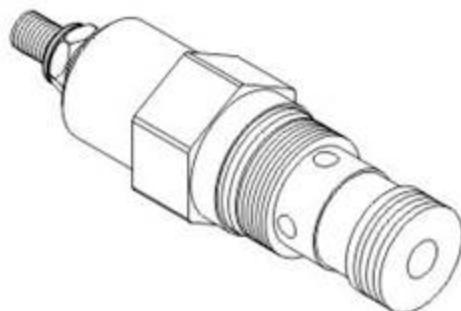


◆ DIMENSIONS 外型尺寸圖



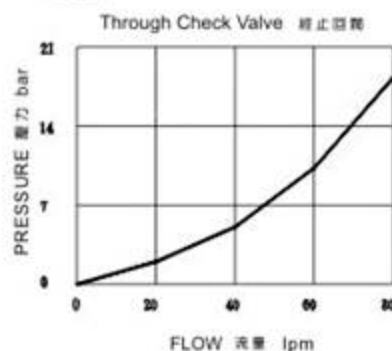
◆ **MODEL** 型 式

VCF-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
VCF-03	350 (5076 psi)	80 (21.13 gpm)	0.28 (0.62 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
VCF	03	*

1 **VALVE SERIES** 系列名稱

VCF= Fully Adjustable Pressure Compensated
With Reverse Flow Check
(Unidirectional Valves Included)
全調壓補流閥 (附單向閥)

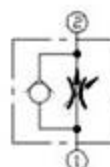
2 **SUBPLATE MOUNTING SIZE** 基座口徑

03: T-5A
Control Flow: 0.4~50L
Cavity 孔口: CST-5A
See Page Appendixes-A_006
見附錄A_006頁面

3 **ADJUSTMENT OPTION** 調整選擇

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

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖

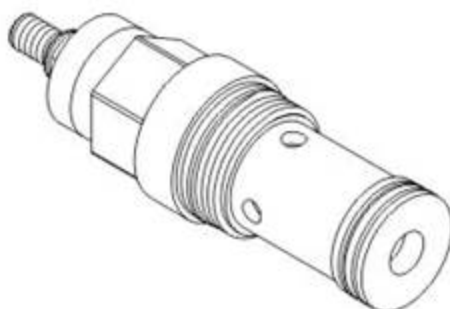


FLOW CONTROL VALVES 流量控制閥

VCF SERIES FULLY ADJUSTABLE PRESSURE COMPENSATED WITH REVERSE FLOW CHECK VCF 系列全調整壓補償流量閥

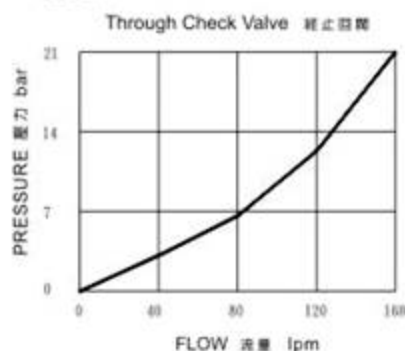
◆ MODEL 型 式

VCF-06



◆ PERFORMANCE (Cartridge Only)

特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VCF-06	350 (5076 psi)	160 (42.27 gpm)	0.6 (1.32 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
VCF	06	*

1 VALVE SERIES 系列名稱

VCF= Fully Adjustable Pressure Compensated
With Reverse Flow Check
(Unidirectional Valves Included)
全調整壓補償流量閥 (附單向閥)

2 SUBPLATE MOUNTING SIZE 隔片口徑

06: T-16A
Control Flow: 0.8~100L
Cavity 型口: CST-16A
See Page Appendixes-A_007
見附錄A_007 頁表

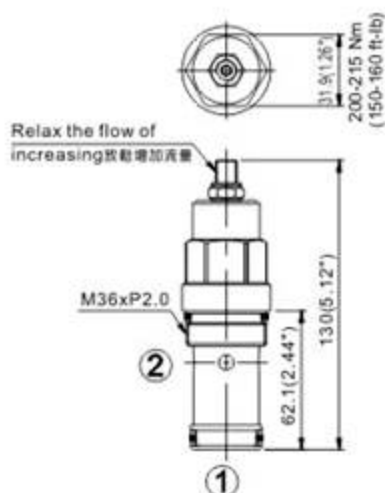
3 ADJUSTMENT OPTION 調整選擇

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

◆ CONTROL PORT(S) 動作形式

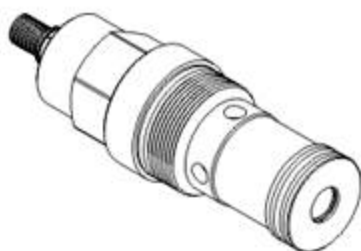


◆ DIMENSIONS 外型尺寸圖



◆ **MODEL** 型 式

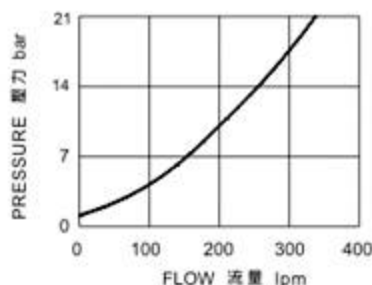
VCF-10



◆ **PERFORMANCE**(Cartridge Only)

特性曲線

Through Check Valve 截止回閥



◆ **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
VCF-10	350 (5076 psi)	200 (52.83 gpm)	1.3 (2.87 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	

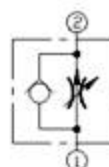
◆ **HOW TO ORDER** 編號說明

1	2	3
VCF	10	*

1 **VALVE SERIES** 系列名稱

VCF= Fully Adjustable Pressure Compensated
With Reverse Flow Check
(Unidirectional Valves Included)
全調型壓力補償流量閥 (洩單向閥)

◆ **CONTROL PORT(S)** 動作形式



◆ **DIMENSIONS** 外型尺寸圖

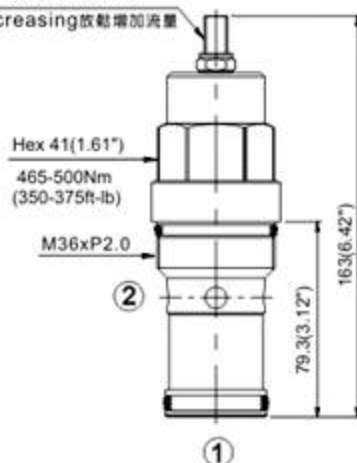
2 **SUBPLATE MOUNTING SIZE** 稱呼口徑

10: T-18A
Control Flow: 0.8~200L
Cavity 孔口: CST-18A
See Page Appendixes-A_007
見附錄A_007 頁面

3 **ADJUSTMENT OPTION** 調整選擇

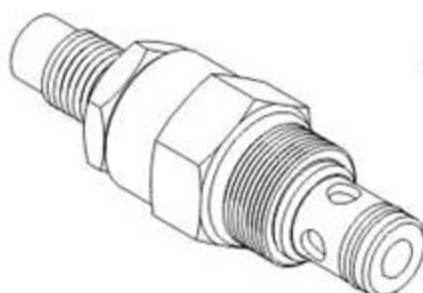
NONE	NONE: TOOL ADJUST 無工具調整式	
K	K: HAND-BAR ADJUST K: 手把調整式	

Relax the flow of
increasing 放鬆增加流量



◆ **MODEL 型 式**

VCT-08

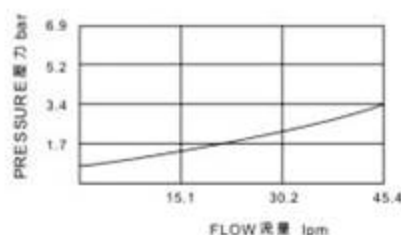


◆ **DESCRIPTION 說 明**

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.

以螺旋調節，插入型式，變動孔口，液壓流量控制閥

◆ **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
VCT-08	350 (5076 psi)	30 (7.93 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
VCT	08	— *	— *

1 VALVE SERIES 系列名稱

VCT=CARTRIDGE CHECK THROTTLE VALVES

插入式止逆節流閥

2 SUBPLATE MOUNTING SIZE 端接口徑

Size: 08

Cavity 孔口: CS08-2N

See Page Appendixes-A_001

見附錄A_001 頁面

3 ADJUSTMENT OPTION 調整選擇

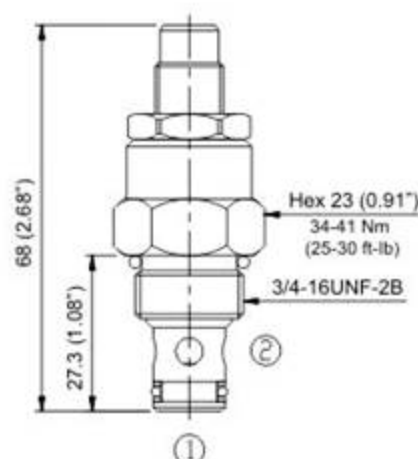
NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST K 手把調整式	

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸**

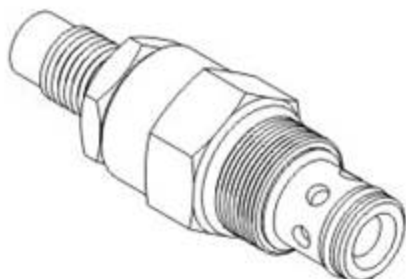


FLOW CONTROL VALVES 流量控制閥

VCT SERIES CARTRIDGE CHECK THROTTLE VALVES VCT 系列插入式止逆節流閥

◆ MODEL 型 式

VCT-10



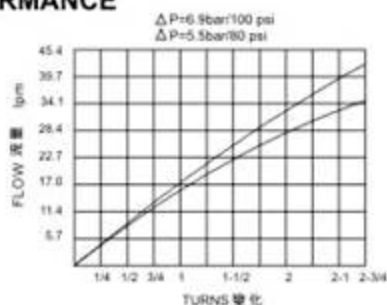
◆ DESCRIPTION 說 明

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.

以螺紋調節，插入型式，變孔口，液壓流量控制閥

◆ PERFORMANCE 特 性

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
VCT-10	350 (5076 psi)	75 (19.81 gpm)	0.18 (0.39 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	4
VCT	10	*	*

1 VALVE SERIES 系列名稱

VCT=CARTRIDGE CHECK THROTTLE VALVES

插入式止逆節流閥

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 頁面

3 ADJUSTMENT OPTION 調整選擇

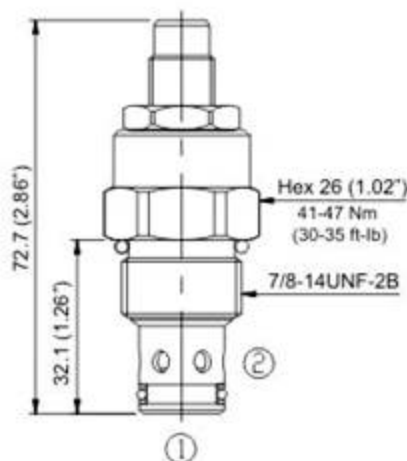
NONE	NONE: TOOL ADJUST 無：工具調整式	
K	K: HAND-BAR ADJUST K：手把調整式	

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VCT-12

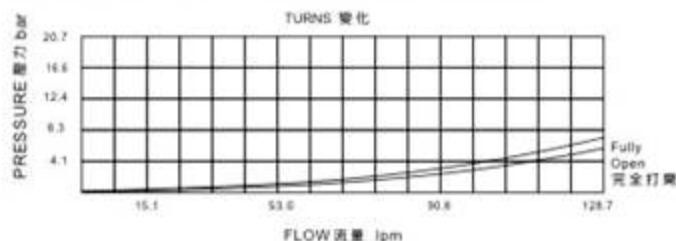


◆ **DESCRIPTION 說 明**

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.
以螺紋插入，鑲入型式，變孔口，液壓流量控制閥

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

Oil Temperature 油溫度: 50°C (122°F) Viscosity 黏度: 35 cSt



◆ **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
VCT-12	350 (5076 psi)	94 (24.83 gpm)	0.32 (0.70 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
VCT	12	*	*

1 **VALVE SERIES 系列名稱**

VCT=CARTRIDGE CHECK THROTTLE VALVES

插入式止逆節流閥

2 **SUBPLATE MOUNTING SIZE 端口口徑**

Size: 12

Cavity 孔口: CS12-2N

See Page Appendixes-A_001

見附錄A_001 頁面

3 **ADJUSTMENT OPTION 調整選擇**

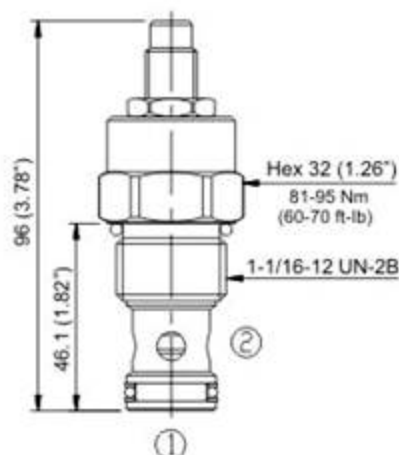
NONE	NONE: TOOL ADJUST 無：工具調整式	
K	K: HAND-BAR ADJUST K：手把調整式	

4 **DESIGN NO 設計編號**

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



◆ **MODEL 型 式**
VEC-08



◆ **DESCRIPTION 說明**

When pressure at ① rises above the selected spring bias pressure against the spool, the valve shifts to allow flow from ① to ②. Pilot pressure at ③ is additive to the spring bias pressure. The valve may be used in switching or compensation type applications.
當①中的壓力上升到超過彈簧開啟壓力，閥芯移動允許從①到②流動。③中的先導壓力附加到彈簧壓力上。這個閥可以應用在開關或者補償之類的場合。

◆ **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
VEC-08	350 (5076 psi)	38 (10.04 gpm)	0.11 (0.25 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
VEC	08	*	*

- 1 VALVE SERIES 系列名稱**
VEC=CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
插入式節流閥(壓力補償)

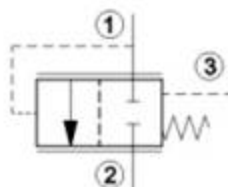
- 2 SUBPLATE MOUNTING SIZE 板穿口徑**
Size :08
Cavity 孔口:CS08-3N
See Page Appendixes-A_002
見附錄A_002頁面

- 3 ADJUSTMENT PRESSURE 壓力調整範圍**

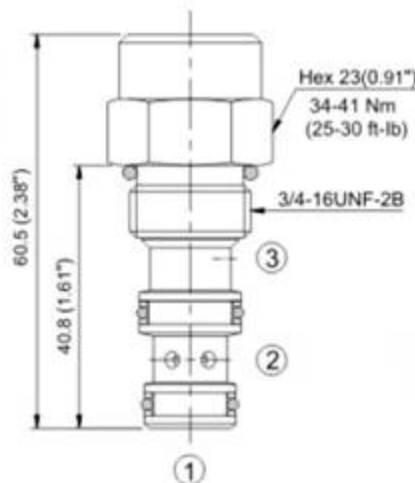
Order 編號	Cracking pressure 彈簧壓力
05	0.5 (bar)
20	2.5 (bar)
50	5.0 (bar)

- 4 DESIGN NO 設計編號**

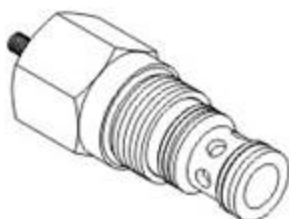
◆ **CONTROL PORT(S)**
動作形式



◆ **DIMENSIONS**
外型尺寸圖



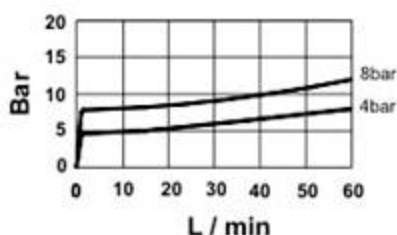
◆ **MODEL 型 式**
VEC-10



◆ **DESCRIPTION 說明**

When pressure at ① rises above the selected spring bias pressure against the spool, the valve shifts to allow flow from ① to ②. Pilot pressure at ③ is additive to the spring bias pressure. The valve may be used in switching or compensation type applications. 當①中的壓力上升到超過彈簧開啟壓力, 閥芯移動允許從①到②流動。③中的先導壓力附加到彈簧壓力上。這個閥可以應用在開關或者補償之類的場合。

◆ **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
VEC-10	350 (5076 psi)	60 (15.85 gpm)	0.2(0.55 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68	
Viscosity 黏性 cSt		10~400 (59~1854 SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3	4
VEC	10	*	*

- 1 VALVE SERIES 系列名稱**
VEC=CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
插入式節流閥(壓力補償)

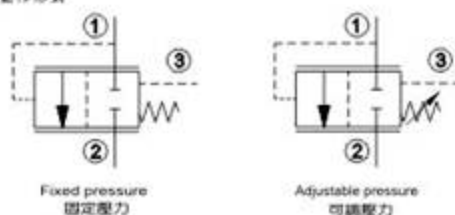
- 2 SUBPLATE MOUNTING SIZE 插片口徑**
Size :10
Cavity 孔口:CS10-3S
See Page Appendixes-A_003
見附錄A_003頁

- 3 ADJUSTMENT PRESSURE 壓力調整範圍**

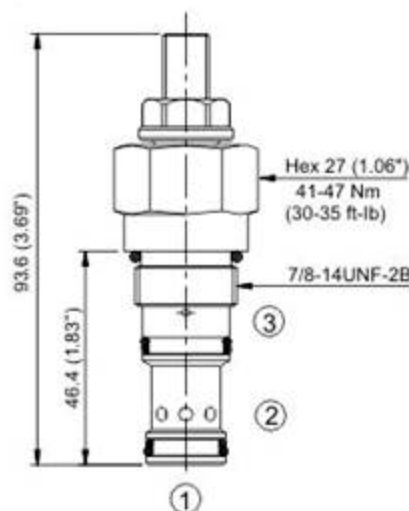
Fixed pressure 固定壓力	Order 編號	Cracking pressure 彈簧壓力	
	50	5 (bar)	
	60	8 (bar)	
Adjustable pressure 可調壓力	Order 編號	Adjustment pressure 壓力調整範圍	
	M15	2 ~ 8 (bar)	

- 4 DESIGN NO 設計編號**

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



FLOW CONTROL VALVES 流量控制閥

VEC SERIES CARTRIDGE THROTTLE VALVES (Pressure Compensated Included) VEC系列插入式節流閥(壓力補償)

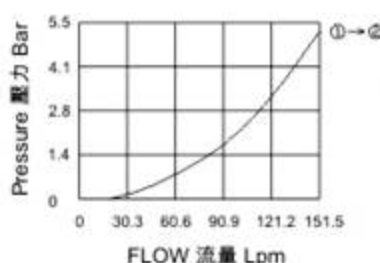
◆ MODEL 型 式 VEC-12



◆ DESCRIPTION 說明

When pressure at ① rises above the selected spring bias pressure against the spool, the valve shifts to allow flow from ① to ②. Pilot pressure at ③ is additive to the spring bias pressure. The valve may be used in switching or compensation type applications. 當①中的壓力上升到超過彈簧開啟壓力, 閥芯移動允許從①到②流動。③中的先導壓力附加到彈簧壓力上。這個閥可以應用在開關或者補償之類的場合。

◆ 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
VEC-12	350 (5076 psi)	131 (34.61 gpm)	0.23 (0.51lbs)
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
VEC	12	*	*

- 1 VALVE SERIES 系列名稱**
VEC=CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
插入式節流閥(耐壓力補償)

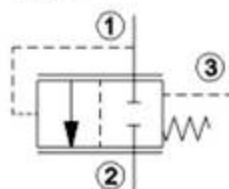
- 2 SUBPLATE MOUNTING SIZE 板接口徑**
Size :12
Cavity 孔口:CS12-3S
See Page Appendixes-A_003
見附錄A_003頁面

- 3 ADJUSTMENT PRESSURE 壓力調整範圍**

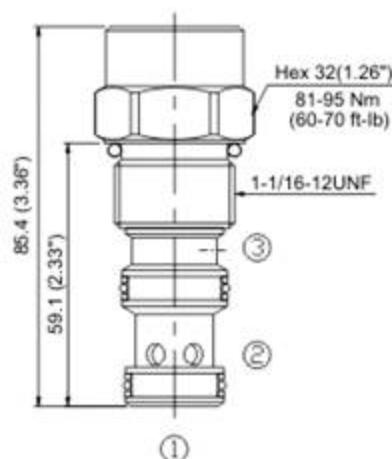
Order 編號	Cracking pressure 彈簧壓力	
05	0.5 (bar)	
20	2.8 (bar)	
60	5.0 (bar)	

- 4 DESIGN NO 設計編號**

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



FLOW CONTROL VALVES 流量控制閥

VEC SERIES CARTRIDGE THROTTLE VALVES (Pressure Compensated Included) VEC系列插入式節流閥(壓力補償)

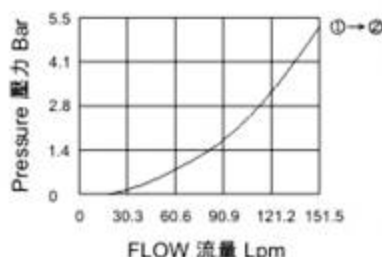
◆ MODEL 型 式 VEC-12A



◆ DESCRIPTION 說明

When pressure at ① rises above the selected spring bias pressure against the spool, the valve shifts to allow flow from ① to ②. Pilot pressure at ③ is additive to the spring bias pressure. The valve may be used in switching or compensation type applications. 當①中的壓力上升到超過彈簧開啟壓力, 閥芯移動允許從①到②流動。③中的先導壓力附加到彈簧壓力上。這個閥可以應用在開關或者補償之類的場合。

◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型 式 號	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VEC-12A	350 (5076 psi)	131 (34.61 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	4
VEC	12A	— *	— *

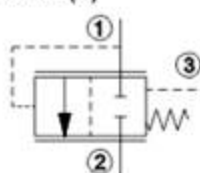
1 VALVE SERIES 系列名稱

VEC=CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
插入式節流閥(壓力補償)

2 SUBPLATE MOUNTING SIZE 插口尺寸

Size :12A
Cavity 孔口 CS12-3A

◆ CONTROL PORT(S) 動作形式

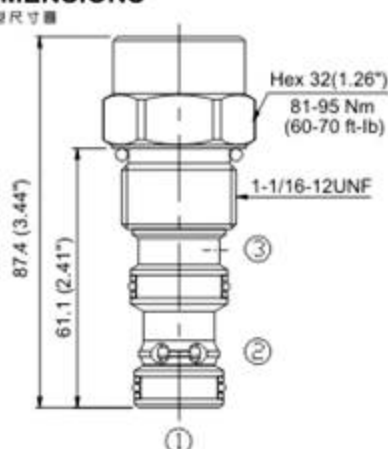


3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Cracking pressure 彈簧壓力
05	0.5 (bar)
60	5.0 (bar)
70	7.0 (bar)

4 DESIGN NO 設計編號

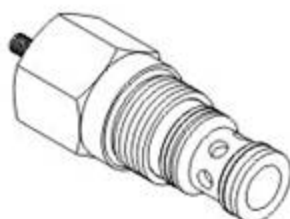
◆ DIMENSIONS 外型尺寸圖



FLOW CONTROL VALVES 流量控制閥

VEC SERIES CARTRIDGE THROTTLE VALVES (Pressure Compensated Included) VEC系列插入式節流閥(壓力補償)

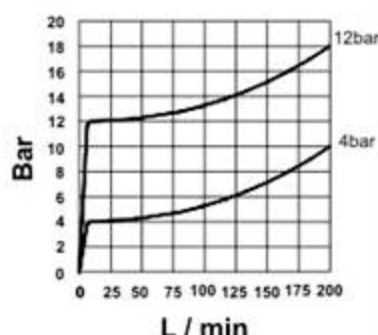
MODEL 型 式 VEC-16



DESCRIPTION 說明

When pressure at ① rises above the selected spring bias pressure against the spool, the valve shifts to allow flow from ① to ②. Pilot pressure at ③ is additive to the spring bias pressure. The valve may be used in switching or compensation type applications.
當①中的壓力上升到超過彈簧開啟壓力，閥芯移動允許從①到②流動。③中的先導壓力附加到彈簧壓力上。這個閥可以用在開關或者補償之類的情況。

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
VEC-16	350 (5076 psi)	200 (52.83 gpm)	0.6 (1.32 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68	
Viscosity 黏性 cSt		10-400 (59-1854 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
VEC	16	*	*

- 1 VALVE SERIES 系列名稱**
VEC=CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
插入式節流閥(壓力補償)

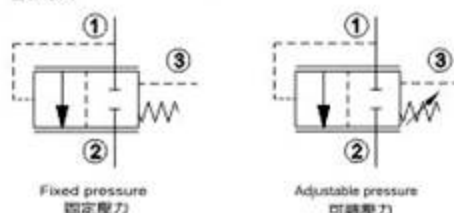
- 2 SUBPLATE MOUNTING SIZE 機座口徑**
Size :16
Cavity 孔口:CS16-3S
See Page Appendixes-A_003
見附錄A_003頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

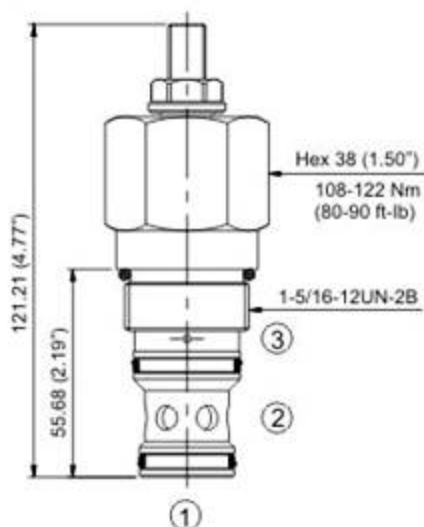
Fixed pressure 固定壓力	Order 編號	Cracking pressure 彈簧壓力	
	40	4 (bar)	
	80	8 (bar)	
Adjustable pressure 可調壓力	Order 編號	Adjustment pressure 壓力調整範圍	
	120	12 (bar)	
	M16	4 - 12 (bar)	

4 DESIGN NO 設計編號

CONTROL PORT(S) 動作形式



DIMENSIONS 外型尺寸圖



FLOW CONTROL VALVES 流量控制閥

VEC SERIES CARTRIDGE THROTTLE VALVES (Pressure Compensated Included) VEC系列插入式節流閥(壓力補償)

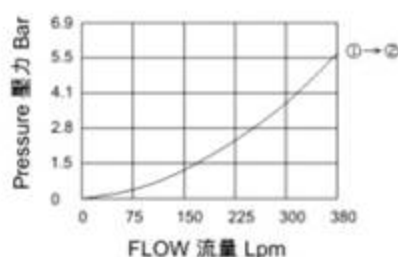
◆ MODEL 型 式 VEC-20



◆ DESCRIPTION 說明

When pressure at ① rises above the selected spring bias pressure against the spool, the valve shifts to allow flow from ① to ②. Pilot pressure at ③ is additive to the spring bias pressure. The valve may be used in switching or compensation type applications. 當①中的壓力上升到超過彈簧開啟壓力, 閥芯移動允許從①到②流動。③中的先導壓力附加到彈簧壓力上。這個閥可以用在開關或者補償之類的場合。

◆ 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
VEC-20	350 (5076 psi)	380 (100.39 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	4
VEC	20	*	*

- 1 VALVE SERIES 系列名稱**
VEC=CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
插入式節流閥(壓力補償)

- 2 SUBPLATE MOUNTING SIZE 板厚口徑**
Size :20
Cavity 孔口 CS20-3S
See Page Appendixes-A_003
見附錄A_003頁面

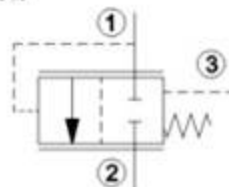
- 3 ADJUSTMENT PRESSURE 壓力調整範圍**

Fixed pressure 固定壓力	Order 編號	Cracking pressure 彈簧壓力
	15	1.5 (bar)
	50	5.5 (bar)
	110	12.5 (bar)

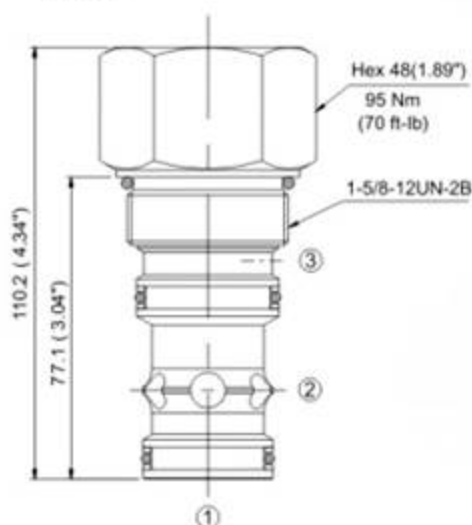
Spring pressure tolerance ±15%
彈簧壓力公差值±15%

- 4 DESIGN NO 設計編號**

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



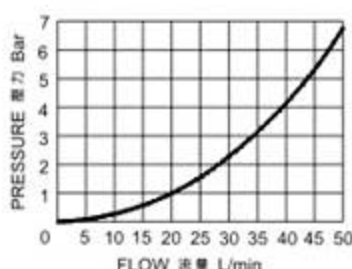
◆ **MODEL 型 式**

VECR-10



◆ **PERFORMANCE (Cartridge Only)**

特性曲線



◆ **DESCRIPTION 說明**

Flow is blocked bi-directionally at 2 and 3 until pressure at 1 rises to overcome the spring bias against the spool. When this bias pressure is surpassed, the spool shifts, allowing flow from 2 to 3, or 3 to 2. The spring chamber is sealed and vented to atmosphere, allowing consistent shifting with only spring bias pressure independent of conditions at 2 or 3.

當進口 1 壓力升高抵抗彈簧的預壓力時，主軸移動，油可在 2 和 3 之間雙向流動。彈簧腔和大氣相通，主軸的移動只和彈簧預壓力有關，而與 2 或 3 的壓力無關。

◆ **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
VECR-10	350 (5076 psi)	50 (13.20 gpm)	0.2 (0.55 lbs)
Fluid Type 液體型式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854 SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158 F)	
Contamination Level 污染標準		ISO4406: 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3
VECR	10	50

1 **VALVE SERIES 系列名稱**

VECR= CARTRIDGE DIRECT ACTING EXTERNAL PILOT EXTERNAL VENT VALVES

插入式直接作用外置式外部泄壓閥

2 **SUBPLATE MOUNTING SIZE 板口口徑**

Size: 10

Cavity 孔口: CS10-3N

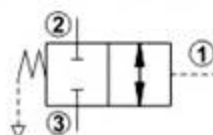
See Page Appendixes-A_002

見附錄 A_002 頁圖

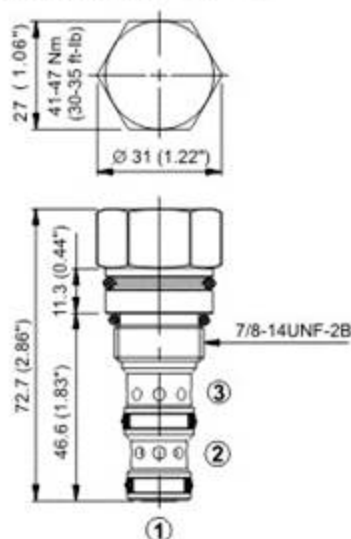
3 **ADJUSTMENT PRESSURE 壓力調整範圍**

Order 編號	Adjustment pressure 壓力調整範圍
60	5.5 (bar)
110	11.5 (bar)

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



◆ **MODEL 型 式**
VEO-10

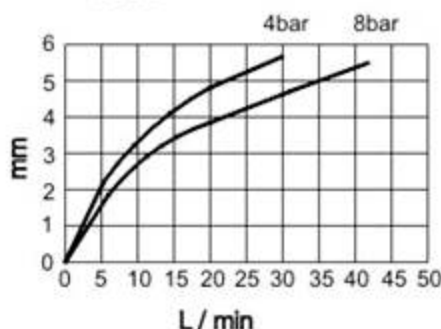


◆ **DESCRIPTION 說明**

When pressure at ① rises above the selected spring bias pressure against the spool, the valve shifts to allow flow from ② to ③. Pilot pressure at ③ is additive to the spring bias pressure. The valve may be used in switching or compensation type applications, and will maintain a constant pressure drop across a fixed (or variable) orifice downstream of ① when installed and piloted per the diagram under.

當①中的壓力上升到超過所選閥芯的彈簧設定壓力時，閥會移動切換油口，①、②截斷，③中的先導壓力附加彈簧上。這個閥可以用在開關或者補償形式的應用中，並且按照下面的圖表安裝，油口①下方固定節流口可保持恆定壓降。

◆ **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
VEO-10	350 (5076 psi)	30 (7.93 gpm)	0.2(0.55 lbs)
Fluid Type 液體型式		ISO VG 32 , 46 , 68	
Viscosity 黏性 cSt		10~400 (59~1854 SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)	
Contamination Level 污染標準		ISO4406: 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3	4
VEO	10	*	*

1 **VALVE SERIES 系列名稱**

VEO=CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
插入式節流閥(附壓力補償)

2 **SUBPLATE MOUNTING SIZE 插牌口徑**

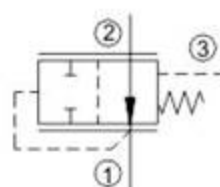
Size :10
Cavity 孔口:CS10-3S
See Page Appendixes-A_003
見附錄A_003頁圖

3 **ADJUSTMENT PRESSURE 壓力調整範圍**

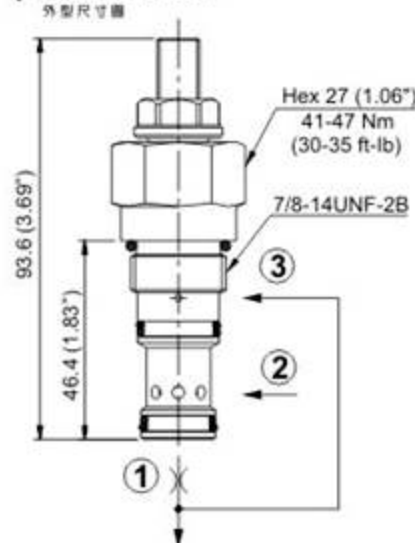
Order 編號	Adjustment pressure 壓力調整範圍
06	2 ~ 8 (bar)

4 **DESIGN NO 設計編號**

◆ **CONTROL PORT(S) 動作形式**



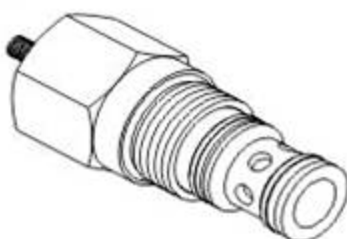
◆ **DIMENSIONS 外型尺寸圖**



FLOW CONTROL VALVES 流量控制閥

VEO SERIES CARTRIDGE THROTTLE VALVES (Pressure Compensated Included) VEO系列插入式節流閥(壓力補償)

MODEL 型式 VEO-16

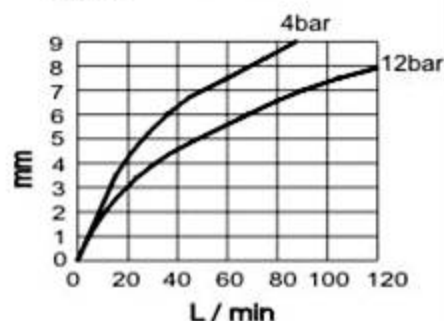


DESCRIPTION 說明

When pressure at ① rises above the selected spring bias pressure against the spool, the valve shifts to allow block from ② to ①. Pilot pressure at ③ is additive to the spring bias pressure. The valve may be used in switching or compensation type applications, and will maintain a constant pressure drop across a fixed (or variable) orifice downstream of ① when installed and piloted per the diagram under.

當①中的壓力上升到超過所選閥芯的彈簧設定壓力,閥會移動切換油口,①、②截斷,①中的先導壓力附加彈簧上。這個閥可以用在開關或者補償形式的應用中,並且按照下面的圖表安裝,油口①下方固定節流口可保持恆定壓降。

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
VEO-16	350 (5076 psi)	120 (31.70 gpm)	0.6(1.32 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
VEO	16	*	*

- 1 VALVE SERIES 系列名稱**
VEO=CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
插入式節流閥(壓力補償)

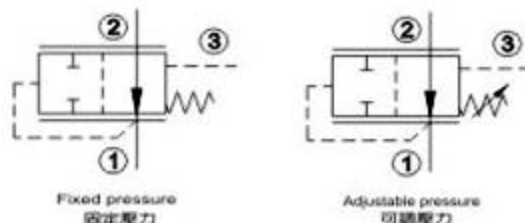
- 2 SUBPLATE MOUNTING SIZE 板耳口徑**
Size :16
Cavity 孔口:CS16-3S
See Page Appendixes-A_003
見附錄A_003頁面

3 ADJUSTMENT PRESSURE 壓力調整範圍

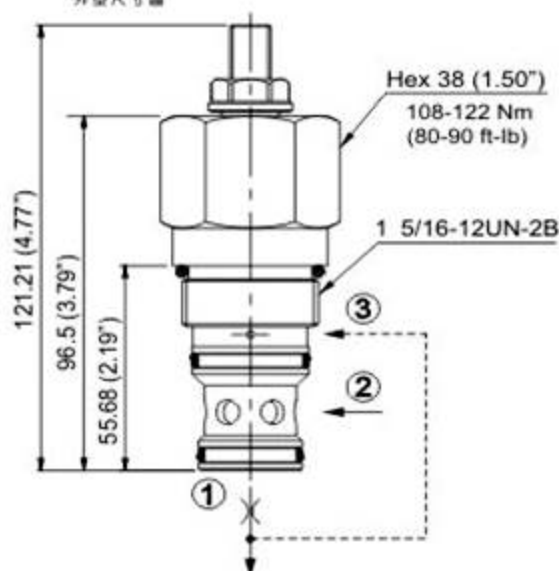
Fixed pressure 固定壓力	Order 編號	Cracking pressure 彈簧壓力	
	40	4 (bar)	
	90	8 (bar)	
Adjustable pressure 可調壓力	Order 編號	Adjustment pressure 壓力調整範圍	
	120	12 (bar)	
	M16	4 - 12 (bar)	

4 DESIGN NO 設計編號

CONTROL PORT(S) 動作形式



DIMENSIONS 外型尺寸圖

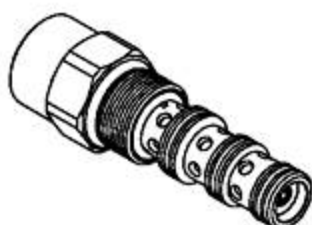


FLOW CONTROL VALVES 流量控制閥

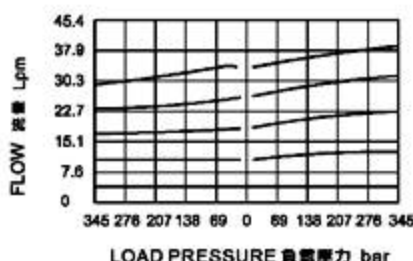
VEOF SERIES CARTRIDGE TYPE PRESSURE COMPENSATOR, HIGH PRESSURE WITH DYNAMIC LOAD SENSE VALVES VEOF系列插入式動態壓力補償閥(高壓型)

◆ MODEL 型 式

VEOF-10



◆ PERFORMANCE 特性曲線



◆ DESCRIPTION 說明

Pressure compensator with dynamic load sense intended to provide priority flow in the required amount, while allowing excess flow to be used for auxiliary functions.

With inlet flow at port ③, will deliver required priority flow at port ④, regardless of load pressure. Excess flow exits, or is bypassed, at port ②. Port ① is the load sense port. All ports may be fully pressurized.

具有動態負載感度的壓力補償,用於優先提供需求流量,同時將剩餘的流量用作輔助功能。

進口③進油後,優先輸出所需的流量到④,不受負載壓力變化的影響,剩餘的在出口②排出,①是負載感度進口,所有進口可以完全受壓。

◆ SPECIFICATIONS 規格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VEOF-10	350 (5000 psi)	40 (10.56 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
VEOF	10	*

1 VALVE SERIES 系列名稱

VEOF =
CARTRIDGE TYPE PRESSURE COMPENSATOR,
HIGH PRESSURE WITH DYNAMIC LOAD SENSE VALVES
(HIGH PRESSURE)
插入式動態負載感度壓力補償閥(高壓型)

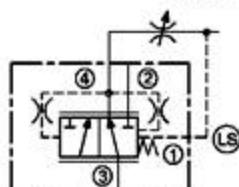
2 SUBPLATE MOUNTING SIZE 裝板口徑

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

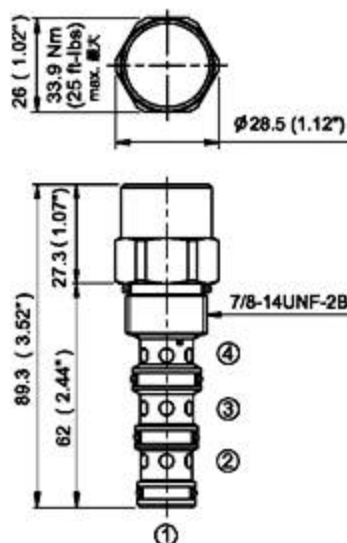
3 COMPENSATOR SPRING 補償壓力範圍

50 : 5.5 bar
100 : 10.3 bar

◆ CONTROL PORT(S) 動作形式



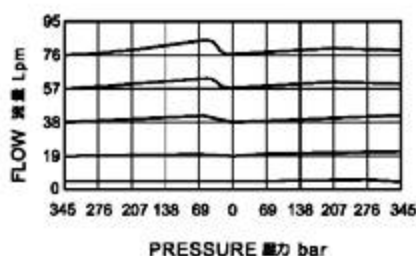
◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**
VEOF-12



◆ **PERFORMANCE 特性曲線**



◆ **DESCRIPTION 說明**

Pressure compensator with dynamic load sense intended to provide priority flow in the required amount, while allowing excess flow to be used for auxiliary functions.

With inlet flow at port ③, will deliver required priority flow at port ④, based on the size of the external orifice, regardless of load pressure. Excess flow exits, or is bypassed, at port ②. Port ① is the load sense port. All ports may be fully pressurized.

具有動態負載感應的壓力補償，用於優先提供需求流量，同時將剩餘的流量用作輔助功能。

油口③進油，基於外部節流孔的大小，優先提供所需的流量到④，不受負載壓力變化的影響，剩餘油量流向油口②。①是負載感應油口，所有油口可以完全受壓。

◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VEOF-12	350 (5000 psi)	95 (25.09 gpm)	0.45 (0.99 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68	
Viscosity 黏性 cSt		10~400 (59~1854 SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3
VEOF	12	*

1 **VALVE SERIES 系列名稱**

VEOF =
CARTRIDGE TYPE PRESSURE COMPENSATOR,
HIGH PRESSURE WITH DYNAMIC LOAD SENSE VALVES
插入式動態負載感應壓力補償閥

2 **SUBPLATE MOUNTING SIZE 接口尺寸**

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

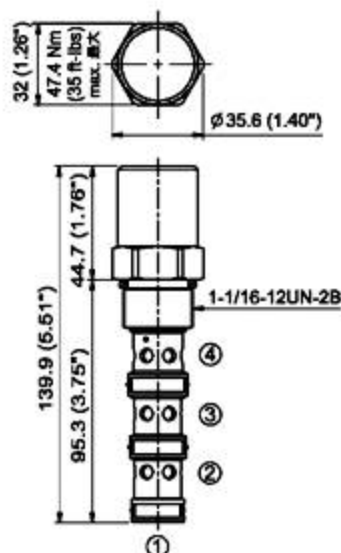
3 **COMPENSATOR SPRING 補償壓力範圍**

50 : 5.5 bar
100 : 10.3 bar

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

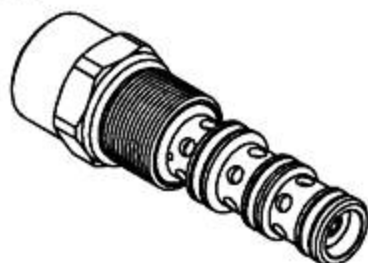


FLOW CONTROL VALVES 流量控制閥

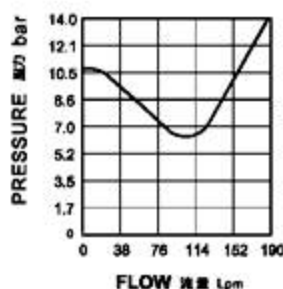
VEOF SERIES CARTRIDGE TYPE PRESSURE COMPENSATOR, HIGH PRESSURE WITH DYNAMIC LOAD SENSE VALVES VEOFA系列插入式動態負載感壓力補償閥

◆ MODEL 型 式

VEOF-16



◆ PERFORMANCE 特性圖



◆ DESCRIPTION 說明

Pressure compensator with dynamic load sense intended to provide priority flow in the required amount, while allowing excess flow to be used for auxiliary functions.

With inlet flow at port ③, will deliver required priority flow at port ④, regardless of load pressure. Excess flow exits, or is bypassed, at port ②. Port ① is the load sense port. All ports may be fully pressurized. 具有動態負載感應的壓力補償,用於優先提供需求流量,同時將剩餘的流量用作輔助功能。

進口③進油後,優先輸出所需的流量到④,不受負載壓力變化的影響,剩餘的在出口②排出,①是負載感應進口,所有進口可以完全受壓。

◆ SPECIFICATIONS 規格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VEOF-16	350 (5000 psi)	190 (50.19 gpm)	0.7 (1.54 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
VEOF	16	*

1 VALVE SERIES 系列名稱

VEOF =
CARTRIDGE TYPE PRESSURE COMPENSATOR,
HIGH PRESSURE WITH DYNAMIC LOAD SENSE VALVES
插入式動態負載感應壓力補償閥

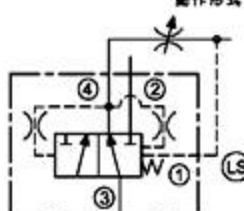
2 SUBPLATE MOUNTING SIZE 銜接口徑

Size: 16
Cavity 孔口: CS16-4N
See Page Appendixes-A_004
見附錄A_004 頁面

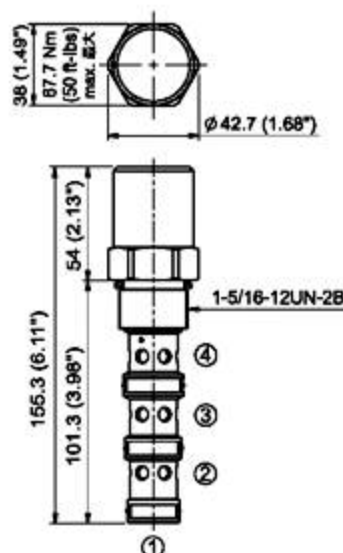
3 COMPENSATOR SPRING 補償壓力範圍

50 : 5 bar
100 : 11 bar

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



FLOW CONTROL VALVES 流量控制閥

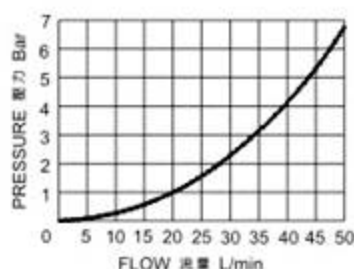
VEOR SERIES CARTRIDGE DIRECT ACTING EXTERNAL PILOT EXTERNAL VENT VALVES VEOR 系列插入式液控方向閥

◆ MODEL 型 式

VEOR-10



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ DESCRIPTION 說 明

Flow is allowed bi-directionally between 2 and 3 until pressure at 1 rises to overcome the spring bias against the spool. When this bias pressure is surpassed, the spool shifts, blocking flow at both 2 to 3, or 3 to 2. The spring chamber is sealed and vented to atmosphere, allowing consistent shifting with only spring bias pressure independent of conditions at 2 or 3.

當油口 1 的壓力上升抵抗彈簧的預壓力時，2 和 3 止漏。彈簧腔和大氣相通，主軸的移動只和彈簧預壓力有關，而與 2 或 3 的壓力無關。

◆ 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
VEOR-10	350 (5076 psi)	50 (13.20 gpm)	0.2 (0.55 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
VEOR	10	50

1 VALVE SERIES 系列名稱

VEOR= CARTRIDGE DIRECT ACTING EXTERNAL PILOT EXTERNAL VENT VALVES

插入式液控方向閥

2 SUBPLATE MOUNTING SIZE 板接口徑

Size: 10

Cavity 孔口: CS10-3N

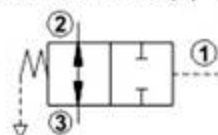
See Page Appendixes-A_002

見附錄A_002 頁面

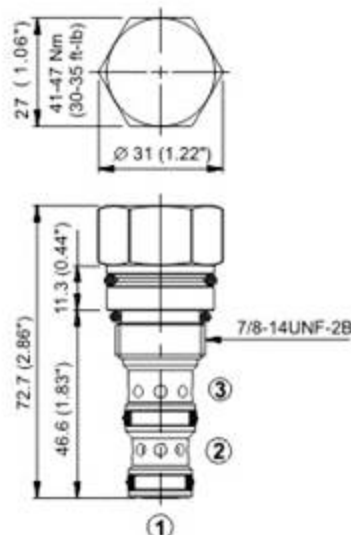
3 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
60	5.5 (bar)
110	11.5 (bar)

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



FLOW CONTROL VALVES 流量控制閥

VF SERIES PRIORITY FLOW DIVIDER VALVES VF 系列優先分流閥

◆ MODEL 型 式

VF-10



◆ DESCRIPTION 說明

A screw-in, cartridge-style, adjustable orifice, pressure-compensated, manually-operated, bypass-type hydraulic flow regulating valve, it can be used as a priority-type flow regulator or a restrictive-type 2-way flow regulator when the bypass port is blocked. The VF maintains a constant flow rate from ③ regardless of load pressure changes in the system downstream of ③, or in the bypass leg at ②. Reverse flow (③ to ①) bypasses the control orifice.

The regulated flow increases from closed to fully open, with counter-clockwise rotation of the knob.

Note: When used as a bypass flow control in applications where the priority flow port will be blocked by external valving, bypass pressure drop will increase unless a small amount of leakage is provided for the priority port. Consult factory.

螺紋插裝式，節流孔可調壓力補償，手動操作旁通型流量調節閥，可以用作優先型流量調節閥或當封閉旁通油口②時可以用作二通節流型流量調節閥。

VF型，從③流出的流量保持不變，不受③的下游回路或旁路②的負載壓力變化影響，反向液流（③流向①）不經過控制節流孔。

逆時針轉動手柄，調節流量從閉合到完全打開時逐漸增加。

註：當用作旁路流量控制且優先油口由其他的鎖封閉時，除非優先油口有小量洩漏，否則旁路壓降將增加。請洽原廠。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Operating Pressure 操作壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VF-10	240 (3481 psi)	57 (15.06 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	

● Flow Rate (額定流量): 3-Ported regulated flow (油口③調節量(優先+旁通)): 0-38 lpm (0-10 gpm)

Input Flow (入口流量): 3-Ported (優先+旁通): 0-38 lpm (0-10 gpm) nominal (標稱); 0-57 lpm (0-15 gpm) max (最大)

◆ HOW TO ORDER 編號說明

1	2	3
VF	10	*

1 VALVE SERIES 系列名稱

VF= PRIORITY FLOW DIVIDER VALVE (Compensating type)
優先分流閥(補償型)

2 SUBPLATE MOUNTING SIZE 板厚口徑

Size: 10

Cavity 孔口: CS10-3N

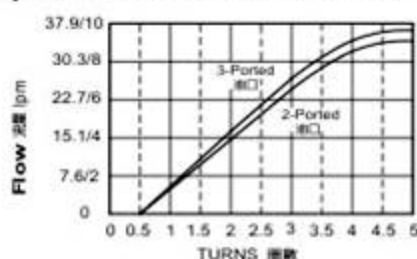
See Page Appendixes-A_002

見附錄A_002 頁碼

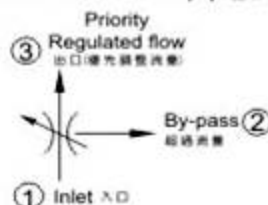
3 ADJUSTMENT OPTION 調整選擇

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

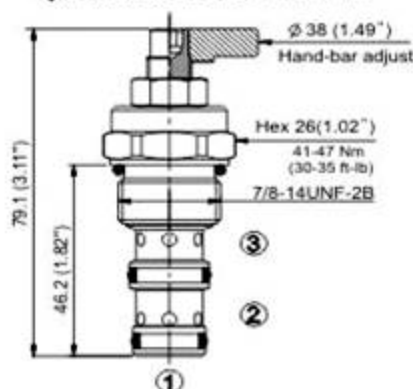
◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ CONTROL PORT(S) 動作形式

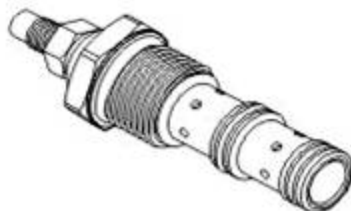


◆ DIMENSIONS 外型尺寸圖

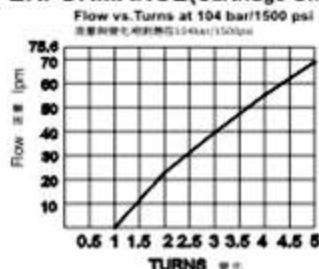


◆ **MODEL 型 式**

VF-12



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



◆ **DESCRIPTION 說明**

A screw-in, cartridge-style, adjustable orifice, pressure-compensated, manually-operated, bypass-type hydraulic flow regulating valve, it can be used as a priority-type flow regulator or a restrictive-type 2-way flow regulator when the bypass port is blocked. The VF maintains a constant flow rate from ③ regardless of load pressure changes in the system downstream of ③, or in the bypass leg at ②. Reverse flow (③ to ①) bypasses the control orifice.

The regulated flow increases from closed to fully open, with counter-clockwise rotation of the knob.

Note: When used as a bypass flow control in applications where the priority flow port will be blocked by external valving, bypass pressure drop will increase unless a small amount of leakage is provided for the priority port. Consult factory.

螺紋插裝式，節流孔可調壓力補償，手動操作旁通型流量調節閥，可以用作優先型流量調節閥或當封閉旁路口②時可以用作二通節流型流量調節閥。

VF 型，從③流出的流量保持不變，不受③的下游回路或旁路②的負載壓力變化影響。反向液流（③流向①）不經過控制節流孔。

逆時針轉動手柄，調節流量從閉合到完全打開時逐漸增加。

註：當用作旁路流量控制且優先油口由其他的密封閉時，除非優先油口有小量洩漏，否則旁路壓降將增加。

◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VF-12	240 (3481 psi)	114 (30.12 gpm)	0.4 (0.88 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	

● **Flow Rate (額定流量):** 3-Ported regulated flow (油口③調節量(優先+旁通)): 0~68 lpm (0~18 gpm)

● **Input Flow (入口流量):** 3-Ported (優先+旁通): 76 lpm (20 gpm) nominal (標稱); 114 lpm (30 gpm) max (最大)

◆ **HOW TO ORDER 編號說明**

1	2	3
VF	12	*

1 **VALVE SERIES 系列名稱**

VF= PRIORITY FLOW DIVIDER VALVE (Compensating type)
優先分流閥(補償型)

2 **SUBPLATE MOUNTING SIZE 機座口徑**

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

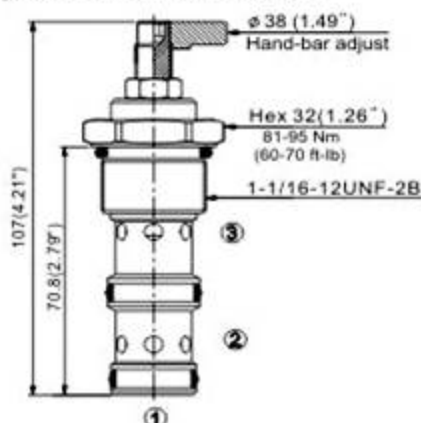
3 **ADJUSTMENT OPTION 調整選擇**

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

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

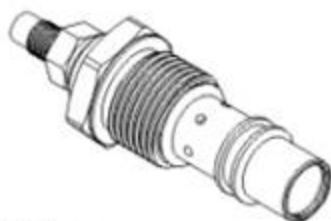


FLOW CONTROL VALVES 流量控制閥

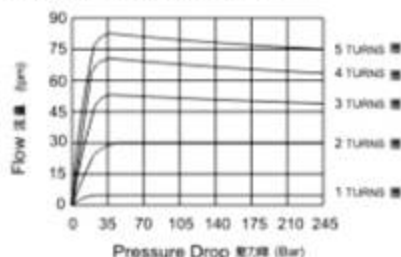
VF SERIES CARTRIDGE THROTTLE VALVES (Pressure Compensated Included) VF系列嵌入式節流閥(壓力補償)

◆ MODEL 型 式

VF12-23



◆ PERFORMANCE 特性曲線



◆ DESCRIPTION 說明

A screw-in, cartridge-style, adjustable orifice, pressure-compensated, manually-operated, hydraulic flow regulating valve (restrictive type). The VF maintains a constant flow rate out of ② regardless of load pressure changes in the circuit downstream of ② or upstream of ①. The regulated flow increases from closed to fully open with counter-clockwise rotation of the adjustment screw. The valve will maintain the set flow regardless of pressure variations on the regulated or inlet port. Reverse flow (② to ①) bypasses the control orifice.

本閥為螺紋式、可調節孔、壓力補償型手動流量調節閥(流量可調型)。

VF型,保持從②流出的流量恒定而不受②口下游回路或①口上游回路的負載壓力變化影響。逆時針旋轉調節螺絲時,流量增大,節流孔從完全閉合到完全打開,該閥保持流量恒定,不受調節口或進口口的壓力變化影響。反向液流(從②流向①)繞過節流孔。

◆ SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力 Bar	Operating Pressure 操作壓力 Bar	Control Flow 控制流量 lpm	Weight 重量 Kg
VF12-23	350 (5076 psi)	250 (3625 psi)	0.1~77 (0.03~20.34 gpm)	0.25 (0.55lbs)
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
VF12	23	*	*

1 VALVE SERIES 系列名稱

VF=CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
(嵌入式節流閥(壓力補償))

2 SUBPLATE MOUNTING SIZE 機坪口徑

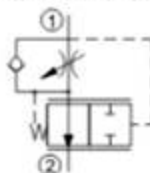
Size: 12
Cavity 孔口:CS12-2N
See Page Appendix-A_001 請參閱A_001頁
Standard Manifolds 標準流路板:CS121-2N
(Specific dimension please contact with us.)
(詳細尺寸請與我們聯絡。)

3 ADJUSTMENT OPTION 調整選擇

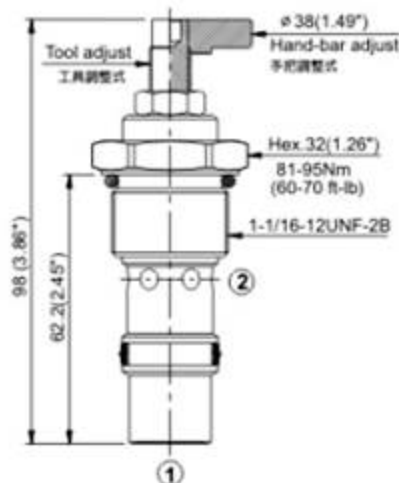
NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST K手把調整式	

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

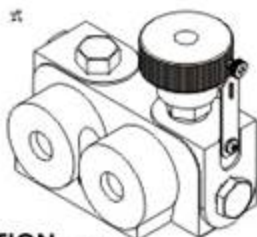


FLOW CONTROL VALVES 流量控制閥

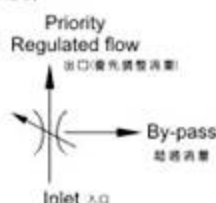
VF SERIES PRIORITY FLOW DIVIDER VALVES VF 系列優先分流閥

MODEL 型式

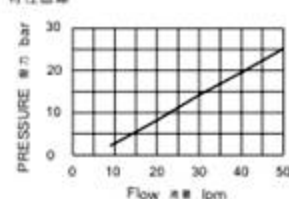
VF-50



CONTROL PORT(S) 動作形式



PERFORMANCE (Cartridge Only) 特性曲線



DESCRIPTION 說明

A screw-in, cartridge-style, adjustable orifice, pressure-compensated, manually-operated, bypass-type hydraulic flow regulating valve. It can be used as a priority-type flow regulator or a restrictive-type 2-way flow regulator when the bypass port is blocked. The VF maintains a constant flow rate from ③ regardless of load pressure changes in the system downstream of ③, or in the bypass leg at ②. Reverse flow (③ to ①) bypasses the control orifice. The regulated flow increases from closed to fully open, with counter-clockwise rotation of the knob.

Note: When used as a bypass flow control in applications where the priority flow port will be blocked by external valving, bypass pressure drop will increase unless a small amount of leakage is provided for the priority port. Consult factory.

螺紋插裝式，節流孔可調壓力補償，手動操作旁通型流量調節閥，可以用作優先型流量調節閥或當封閉旁通油口②時可以用作二通節流型流量調節閥。VF型，從③流出的流量保持不變，不受③的下游回路或旁路②的負載壓力變化影響，反向液流(③流向①)不經過控制節流孔。逆時針轉動手柄，調節流量從關閉到完全打開時逐漸增加。

註：當用作旁路流量控制且優先油口由其他的閥封閉時，除非優先油口有小量洩漏，否則旁路壓降將增加。

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
VF-50	248 (3597 psi)	49 (12.94 gpm)	0.75 (1.65 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		

● All of with Screens it's Cent meter Size and If required Inch Size 所有螺絲皆為公制標準規格，若需英制螺絲請另外備註說明。

HOW TO ORDER 編號說明

1	2	3
VF50	— 30 —	T

1 VALVE SERIES 系列名稱

VF50= PRIORITY FLOW DIVIDER VALVE (Compensating Type)
優先分流閥(補償型)

2 REGULATED FLOW CAPACITY 調整控制流量

15: 0~16 | 30: 0~32 |

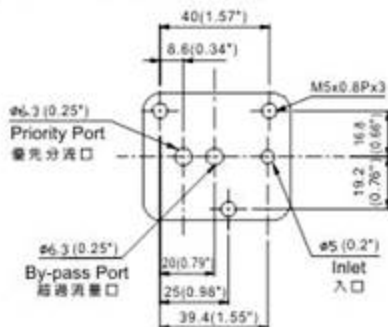
3 CONNECTING TYPE 連接型式

T: TYPE: THREADING TYPE (螺紋連接) (3/8PT)

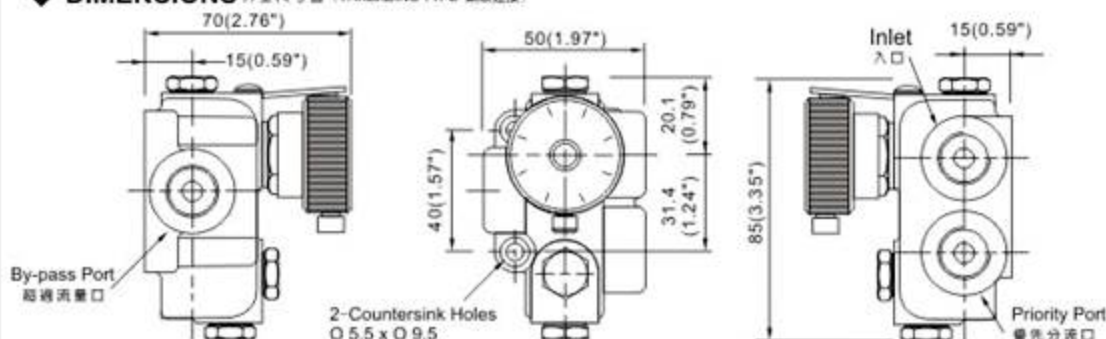
G: TYPE: BASEPLATE MOUNTING TYPE (板式連接)

Mounting Interface 基座尺寸圖

(BASEPLATE MOUNTING TYPE 板式連接)



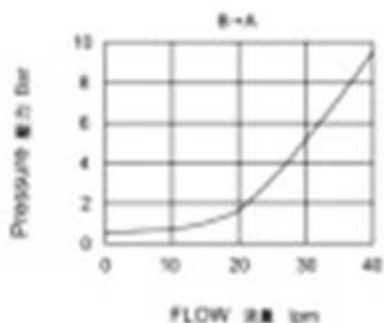
DIMENSIONS 外型尺寸圖 (THREADING TYPE 螺紋連接)



◆ **MODEL** 型 式
VFC-38



◆ **PERFORMANCE** 性能



◆ **SPECIFICATIONS** 規格

Model Number 型式號碼	Connecting PT 連接口	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
VFC-38	3/8" Gas	350 (5076 psi)	25 (6.60 gpm)	0.7 (1.54 lbs)
Fluid Type 液體		ISO VG 32, 46, 68		
Viscosity 粘度 cSt		10-400 (50-1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~156 °F)		
Contamination Level 污染度		ISO4406: 21/19/18 NAS1638,10		

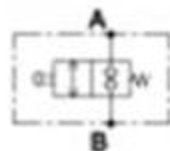
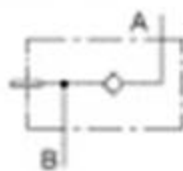
◆ **HOW TO ORDER** 訂購

1	2
VFC	38

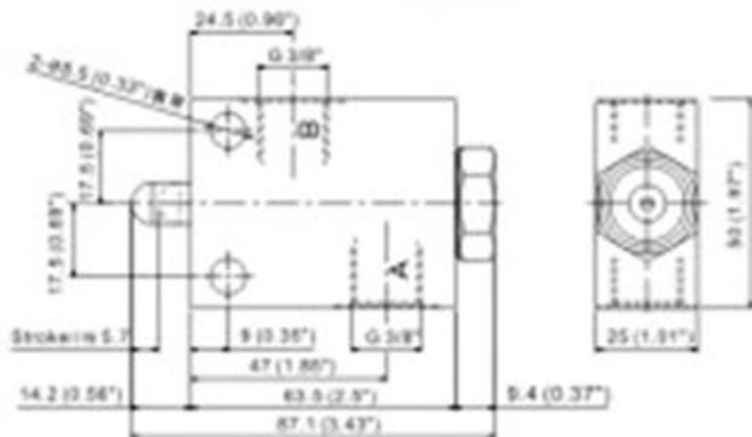
1 VALVE SERIES 系列
VFC = VALVOLA FINE CORSA END OF STROKE VALVES
細行程方向機

2 SUBPLATE MOUNTING SIZE 安裝尺寸
38 = Ø 3/8"
ISO (ETOP)
DIN NG 6
NFA (D0)

◆ **CONNECTING TYPE** 連接方式

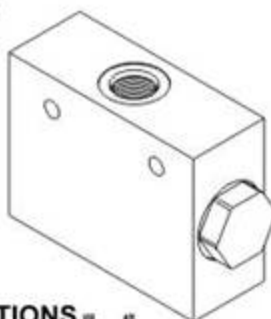


◆ **DIMENSIONS**
尺寸



◆ **MODEL 型 式**

VFD-03

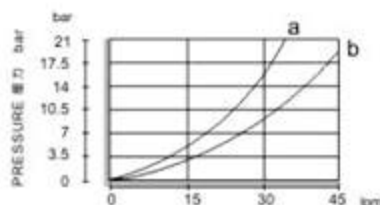


◆ **PERFORMANCE 特性曲線**

Test Conditions 測試條件

Oil Temperature 油溫度: 50°C (122°F)

Viscosity 黏性: 35 cSt (163 SSU)



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFD-03	250 (3626 psi)	45 (11.89 gpm)	0.6 (1.32 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
VFD	03	— 07	— *

1 **VALVE SERIES 系列名稱**

VFD = FLOW DIVIDER Valves 分流閥

2 **SUBPLATE MOUNTING SIZE 額定口徑**

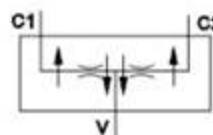
03: G 3/8

3 **FLOW SPECIFICATIONS 流量規格**

07: 2.3~7.6 l/min
15: 4.5~15 l/min
22: 6.8~22.7 l/min
30: 9~30 l/min
37: 11~37 l/min
45: 13.5~45 l/min

Division or combination ratio: 50%:50%
分流比例
Flow Accuracy: 3% ~ 10%
分流精確度

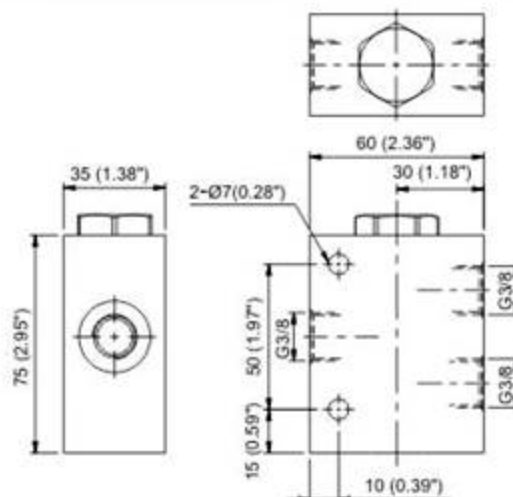
◆ **CONTROL PORT(S) 動作形式**



4 **THREADED TYPE 螺紋規格**

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

◆ **DIMENSIONS 外型尺寸圖**

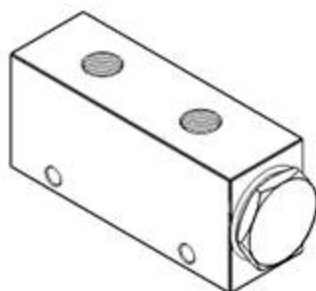


FLOW CONTROL VALVES 流量控制閥

VFD SERIES FLOW DIVIDER VFD 系列分流器

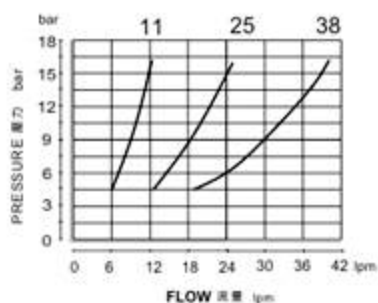
MODEL 型 式

VFD-04



PERFORMANCE 特性曲線

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



SPECIFICATIONS 規格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFD-04	250 (3626 psi)	38 (10.04 gpm)	0.8 (1.76 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68	
Viscosity 黏性 cSt		10~400 (59~1854 SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10	

HOW TO ORDER 編號說明

1	2	3	4
VFD	04	11	*

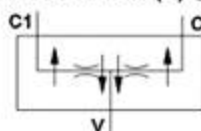
1 VALVE SERIES 系列名稱

VFD = FLOW DIVIDER 分流器

2 SUBPLATE MOUNTING SIZE 編碼口徑

04 = 1/2"

CONTROL PORT(S) 動作形式



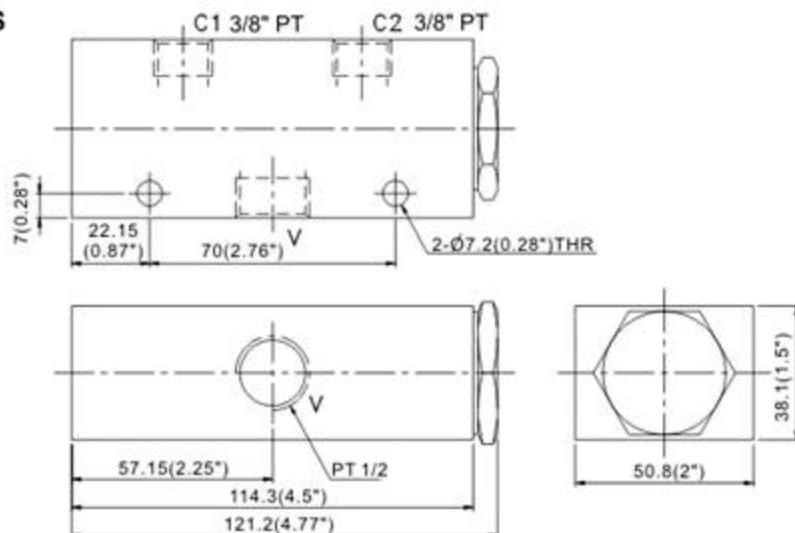
3 FLOW SPECIFICATIONS 流量規格

11: 6.5~11 l/min 25: 10~25 l/min
38: 25~38 l/min
Division or combination ratio: 50%:50%
分流比例
Flow Accuracy : 3% ~ 10%
分流精度

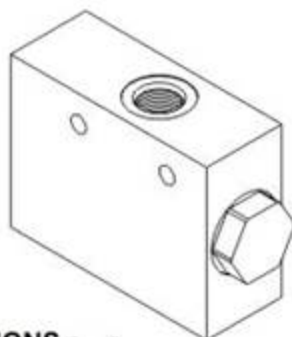
4 THREADED TYPE 螺紋規格

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

DIMENSIONS 外型尺寸圖

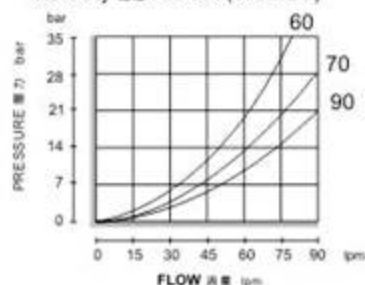


◆ **MODEL 型 式**
VFD-05



◆ **PERFORMANCE 特性曲線**

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



◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFD-05	250 (3626 psi)	90 (23.78 gpm)	2.05 (4.52 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68	
Viscosity 黏性 cSt		10~400 (59~1854 SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3	4
VFD	05	90	*

1 VALVE SERIES 系列名稱

VFD = FLOW DIVIDER Valves 分流閥

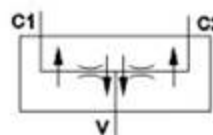
2 SUBPLATE MOUNTING SIZE 板厚口徑

05 : G 3/4

3 FLOW SPECIFICATIONS 流量規格

60: 30~60 l/min Division or combination ratio: 50%:50%
70: 43~74 l/min 分流比例
90: 53~90 l/min Flow Accuracy: 3% ~ 10%
分流精度

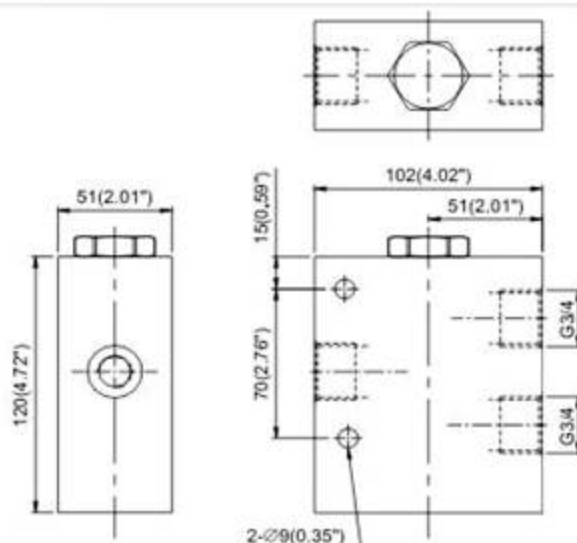
◆ **CONTROL PORT(S) 動作形式**



4 THREADED TYPE 螺紋規格

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

◆ **DIMENSIONS 外型尺寸圖**

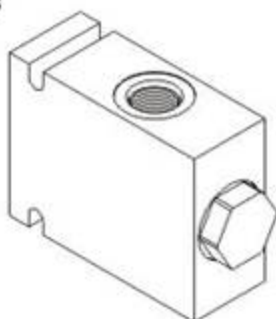


FLOW CONTROL VALVES 流量控制閥

VFD SERIES FLOW DIVIDER VFD 系列分流閥

◆ MODEL 型 式

VFD-06/08

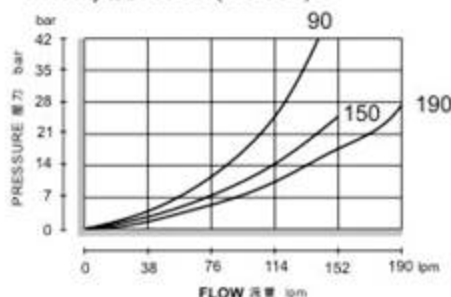


◆ PERFORMANCE 特性曲線

Test Conditions 測試條件

Oil Temperature 油溫度: 50°C (122°F)

Viscosity 黏性: 35 cSt (163 SSU)



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFD-06	250 (3626 psi)	194 (51.25 gpm)	2 (4.40 lbs)
VFD-08			2 (4.40 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
VFD	06	— 90	— *

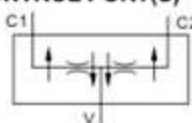
1 VALVE SERIES 系列名稱

VFD = FLOW DIVIDER 分流閥

2 SUBPLATE MOUNTING SIZE 板厚口徑

06=3/4"
08=1"

◆ CONTROL PORT(S) 動作形式



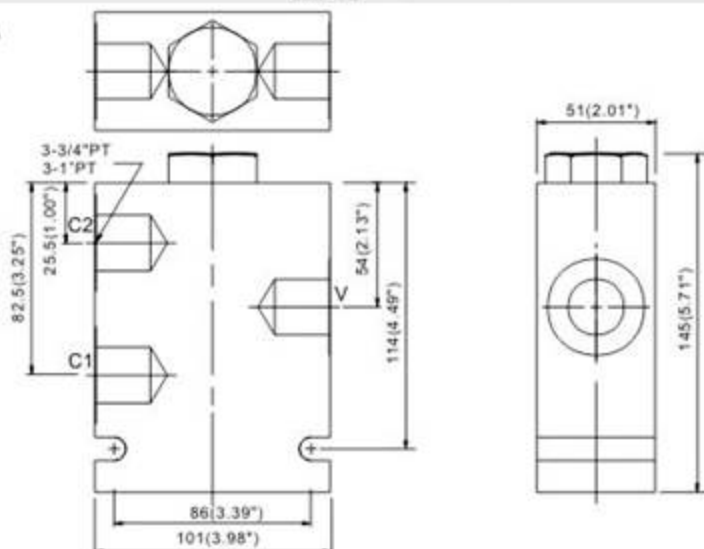
3 FLOW SPECIFICATIONS 流量規格

90: 90 l/min 110: 110 l/min
150: 150 l/min 190: 194 l/min
Division or combination ratio: 50%:50%
分流比例
Flow Accuracy: 3% ~ 10%
分流精度

4 THREADED TYPE

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

◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VFD-10

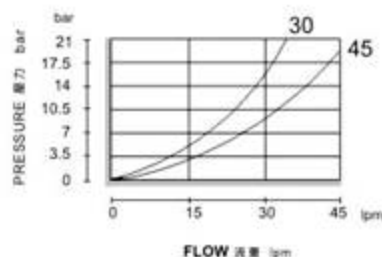


◆ **PERFORMANCE 特性曲線**

Test Conditions 測試條件

Oil Temperature 油溫度: 50°C (122°F)

Viscosity 黏性: 35 cSt (163 SSU)



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFD-10	350 (5076 psi)	45 (11.89 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
VFD	10	— 45

1 VALVE SERIES 系列名稱

VFD = FLOW DIVIDER 分流閥

2 SUBPLATE MOUNTING SIZE 端接口徑

Size: 10

Cavity 孔口: CS10A-4N

See Page Appendixes-A_005

見附錄A_005 頁面

3 FLOW SPECIFICATIONS 流量規格

07: 2.3~7.6 l/min

15: 4.5~15 l/min

22: 6.8~22.7 l/min

30: 9~30 l/min

37: 11~37 l/min

45: 13.5~45 l/min

Division or combination ratio: 50%: 50%

分流比例

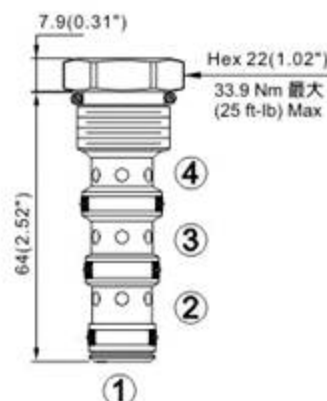
Flow Accuracy: 3% ~ 10%

分流精度

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**



FLOW CONTROL VALVES 流量控制閥

VFD SERIES FLOW DIVIDER VFD 系列分流器

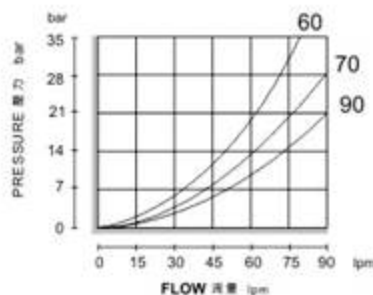
◆ MODEL 型 式

VFD-12



◆ PERFORMANCE 特性曲線

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



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFD-12	350 (5076 psi)	90 (23.78 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
VFD	12	— 60

1 VALVE SERIES 系列名稱

VFD = FLOW DIVIDER 分流器

2 SUBPLATE MOUNTING SIZE 稱呼口徑

Size: 12
Cavity 孔口: CS12A-4N
See Page Appendixes-A_005
見附錄A_005 圖表

3 FLOW SPECIFICATIONS 流量規格

60: 30~60 l/min
70: 43~74 l/min
90: 53~90 l/min

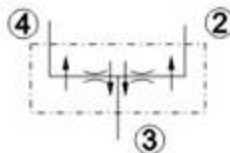
Division or combination ratio: 50%: 50%

分流比例

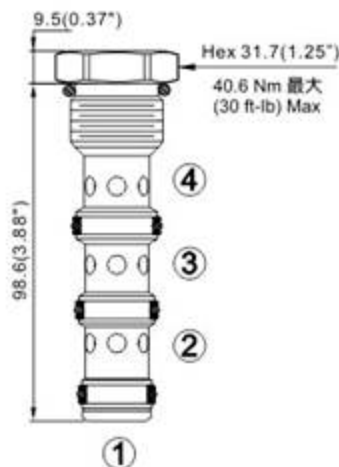
Flow Accuracy: 3% ~ 10%

分流精度

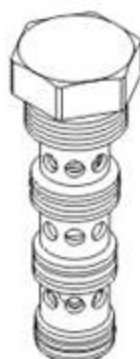
◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**
VFD-16

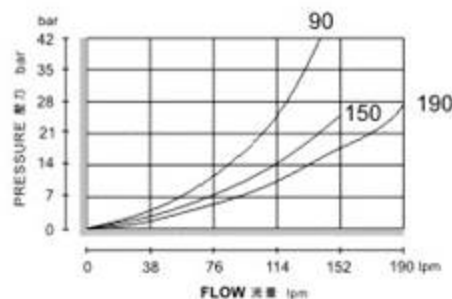


◆ **PERFORMANCE 特性曲線**

Test Conditions 測試條件

Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏性: 35 cSt (163 SSU)



◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFD-16	350 (5076 psi)	194 (51.25 gpm)	0.4 (0.88 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
VFD	16	— 90

1 VALVE SERIES 系列名稱

VFD = FLOW DIVIDER 分流閥

2 SUBPLATE MOUNTING SIZE 機座口徑

Size: 16

Cavity 孔口: CS16A-4N

See Page Appendixes-A_005

見附錄A_005 頁面

3 FLOW SPECIFICATIONS 流量規格

90: 90 l/min

110: 110 l/min

150: 150 l/min

190: 194 l/min

Division or combination ratio: 50%: 50%

分流比例

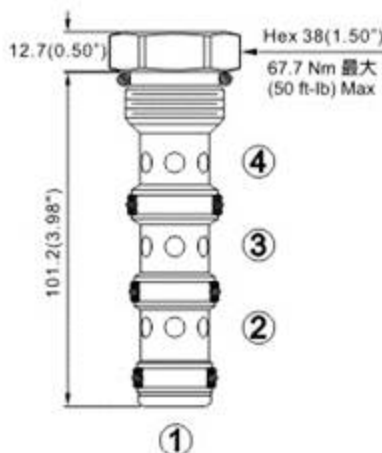
Flow Accuracy: 3% ~ 10%

分流精度

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

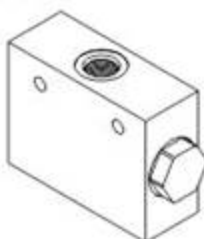


FLOW CONTROL VALVES 流量控制閥

VFDC SERIES FLOW DIVIDER VFDC 系列分流閥

◆ MODEL 型 式

VFDC-03



◆ DESCRIPTION 說明

A specialized flow divider/combiner valve manifold, commonly applied in hydraulic motor drive applications with uneven pressure loads caused by steering or ground conditions. If a pressure differential develops, fluid will be transferred to the lower pressure port from the higher pressure port via an internal body orifice. In the combining mode, the internal orifice will serve to equalize load pressures, preventing combiner spool lock-up.

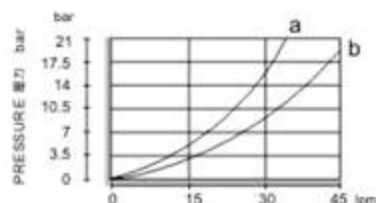
特殊的分流/集流閥，常用於液壓馬達驅動時因操作或地面條件引起的負載壓力不均勻的場所。如果有壓力差產生，油液將經過閥內的節流孔從壓力較高的油口流向壓力較低的口。當處於集流模式時，閥內的節流孔將均衡負載壓力，以防止集流閥心封閉開口。

◆ PERFORMANCE 特性曲線

Test Conditions 測試條件

Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏性: 35 cSt (163 SSU)



◆ SPECIFICATIONS 規格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFDC-03	250 (3626 psi)	45 (11.89 gpm)	0.6 (1.32 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
VFDC	03	07	*

1 VALVE SERIES 系列名稱

VFDC = FLOW DIVIDER Valves 分流閥

2 SUBPLATE MOUNTING SIZE 端接口徑

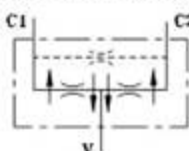
03: G 3/8

3 FLOW SPECIFICATIONS 流量規格

07: 2.3~7.6 l/min
15: 4.5~15 l/min
22: 6.8~22.7 l/min
30: 9~30 l/min
37: 11~37 l/min
45: 13.5~45 l/min

Division or combination ratio: 50%:50%
分流比例
Flow Accuracy: 3% ~ 10%
分流精度

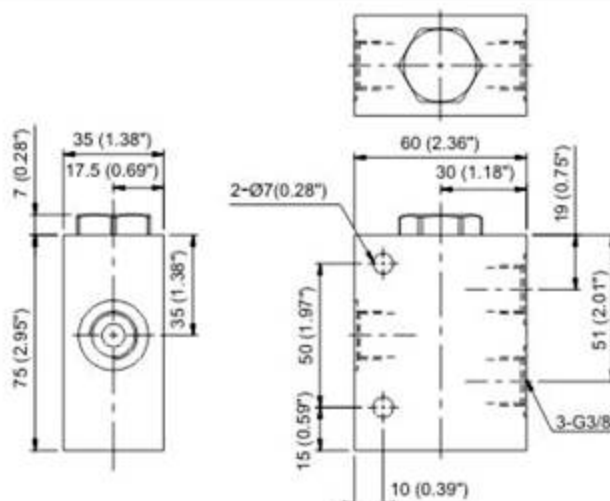
◆ CONTROL PORT(S) 動作形式



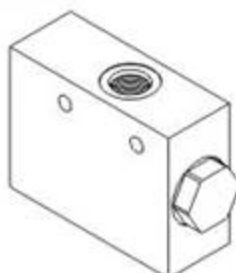
4 THREADED TYPE 螺紋規格

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

◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**
VFDC-05



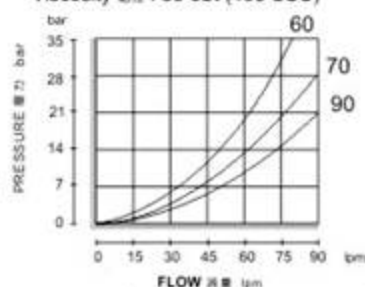
◆ **DESCRIPTION 說明**

A specialized flow divider/combiner valve manifold, commonly applied in hydraulic motor drive applications with uneven pressure loads caused by steering or ground conditions. If a pressure differential develops, fluid will be transferred to the lower pressure port from the higher pressure port via an internal body orifice. In the combining mode, the internal orifice will serve to equalize load pressures, preventing combiner spool lock-up.

特殊的分流/集流閥，常常用於液壓馬達驅動時因操作或地面條件引起的負載壓力不均衡的場所。如果有壓力差產生，油液將經過閥內的節流孔從壓力較高的油口流向壓力較低的口。當處於集流模式時，閥內的節流孔將均衡負載壓力，以防止集流閥心封閉開口。

◆ **PERFORMANCE 特性曲線**

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



◆ **SPECIFICATIONS 規格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFDC-05	250 (3626 psi)	90 (23.78 gpm)	2.05 (4.52 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68	
Viscosity 黏性 cSt		10~400 (59~1854 SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)	
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3	4
VFDC	05	90	*

1 **VALVE SERIES 系列名稱**

VFDC = FLOW DIVIDER Valves 分液閥

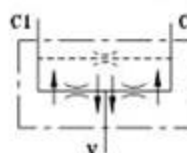
2 **SUBPLATE MOUNTING SIZE 額定口徑**

05: G 3/4

3 **FLOW SPECIFICATIONS 流量規格**

60: 30~60 l/min Division or combination ratio: 50%:50%
70: 43~74 l/min 分流比例
90: 53~90 l/min Flow Accuracy: 3% ~ 10%
分流精度

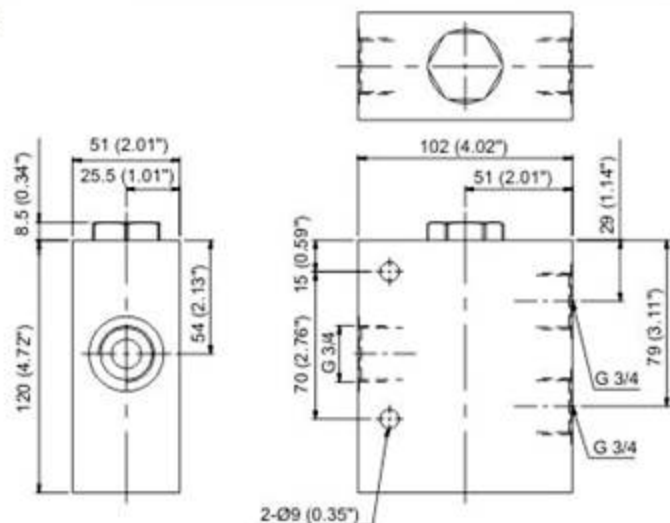
◆ **CONTROL PORT(S) 動作形式**



4 **THREADED TYPE 螺紋規格**

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

◆ **DIMENSIONS 外型尺寸圖**



FLOW CONTROL VALVES 流量控制閥

VFDC SERIES FLOW DIVIDER VFDC 系列分流閥

◆ MODEL 型 式

VFDC-06



◆ DESCRIPTION 說明

A specialized flow divider/combiner valve manifold, commonly applied in hydraulic motor drive applications with uneven pressure loads caused by steering or ground conditions. If a pressure differential develops, fluid will be transferred to the lower pressure port from the higher pressure port via an internal body orifice. In the combining mode, the internal orifice will serve to equalize load pressures, preventing combiner spool lock-up.

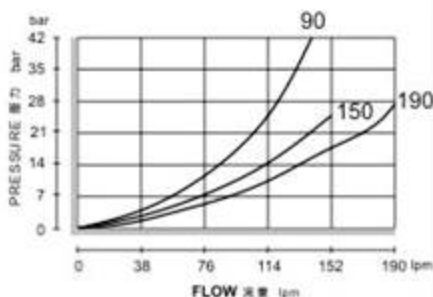
特殊的分流/集流閥，常用於液壓馬達驅動時因操作或地面條件引起的負載壓力不均衡的場所。如果有壓力差產生，油液將經過閥內的節流孔從壓力較高的油口流向壓力較低的口，當處於集流模式時，閥內的節流孔將均衡負載壓力，以防止集流閥心封閉開口。

◆ PERFORMANCE 特性曲線

Test Conditions 測試條件

Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏性: 35 cSt (163 SSU)



◆ SPECIFICATIONS 規格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VFDC-06	250 (3626 psi)	194 (51.25 gpm)	2 (4.40 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
VFDC	06	— 90	— *

1 VALVE SERIES 系列名稱

VFDC = FLOW DIVIDER 分流閥

2 SUBPLATE MOUNTING SIZE 端接口徑

06=3/4"

3 FLOW SPECIFICATIONS 流量規格

90: 90 l/min 110: 110 l/min

150: 150 l/min 190: 194 l/min

Division or combination ratio: 50%:50%

分流比例

Flow Accuracy: 3% ~ 10%

分流精度

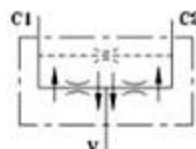
4 THREADED TYPE 螺紋規格

1P: PT 2N: NPT

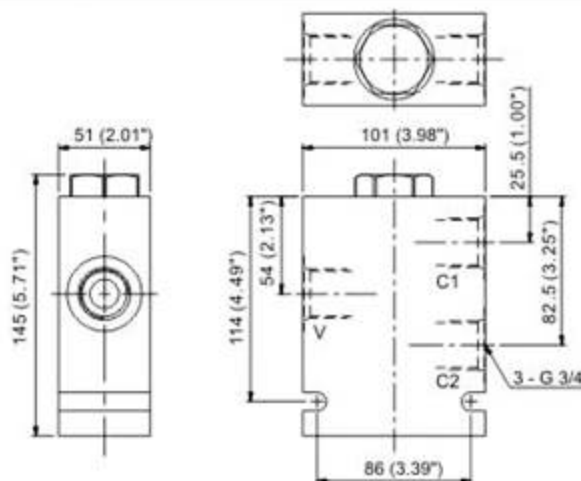
3G: PF(G) 4A: SAE

5B: BSP

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VIFC-140



◆ **CONTROL PORT(S) 動作形式**



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Flow 流量 Lpm	Weight 重量 Kg
VIFC-140	210 (3046psi)	Non-adjustable 不可調整 (See below) 見下方	0.02 (0.04 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**

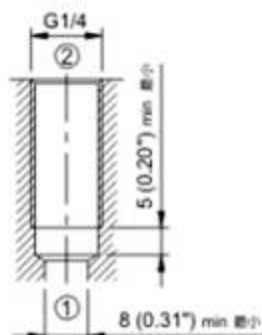
1	2	3
VIFC	140	— 01

1 VALVE SERIES 系列名稱

VIFC = Buried Type Pressure Compensated
Flow Control Valves
埋入式壓力補償流量控制閥

2 SUBPLATE MOUNTING SIZE 編訂口徑

Size : 140
Cavity 孔口 : G 1/4"

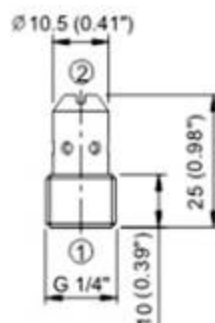


3 FLOW OPTION 流量選擇

At 100 bar (1450 psi) flow range (±10%)
在 100 bar (1450 psi) 時流量範圍 (±10%)

Order 編號	FLOW 流量 lpm
01	1 l
02	2 l
03	3 l
04	4 l
05	5 l
06	6 l
07	7 l
08	8 l
09	9 l
10	10 l

◆ **DIMENSIONS 外型尺寸圖**



◆ **MODEL 型 式**

VIFC-280



◆ **CONTROL PORT(S) 動作形式**



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Flow 流量 Lpm	Weight 重量 Kg
VIFC-280	210 (3046psi)	Non-adjustable (See below) 見下方	0.02 (0.04 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**

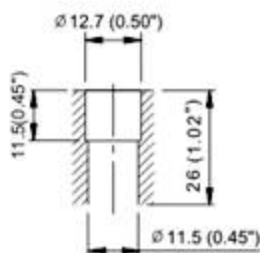
1	2	3
VIFC	280	01

1 VALVE SERIES 系列名稱

VIFC = Buried Type Pressure Compensated Flow Control Valves
埋入式壓力補償流量控制閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

Size: 280
Cavity 孔口:

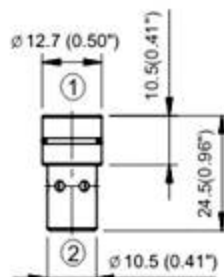


3 FLOW OPTION 流量選擇

At 100 bar (1450 psi) flow range (±10%)
在 100 bar (1450 psi) 時流量範圍 (±10%)

Order 編號	FLOW 流量 lpm
01	1 l
02	2 l
03	3 l
04	4 l
05	5 l
06	6 l
07	7 l
08	8 l
09	9 l
10	10 l

◆ **DIMENSIONS 外型尺寸圖**

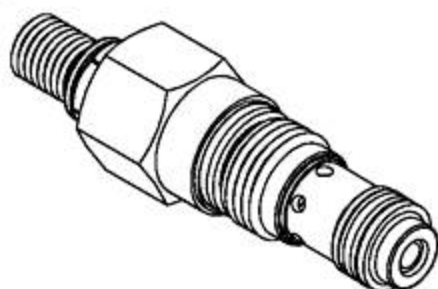


FLOW CONTROL VALVES 流量控制閥

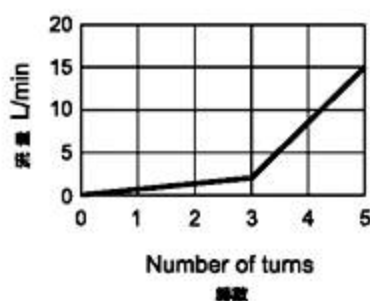
VNC SERIES CARTRIDGE CHECK THROTTLE VALVES VNC系列插入式止回節流閥

◆ MODEL 型 式

VNC-01



◆ 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
VNC-01	350 (5076 psi)	15 (3.96 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	3
VNC	01	*

1 VALVE SERIES 系列名稱

VNC=CARTRIDGE CHECK THROTTLE VALVES
插入式止回節流閥

2 SUBPLATE MOUNTING SIZE 副板口徑

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

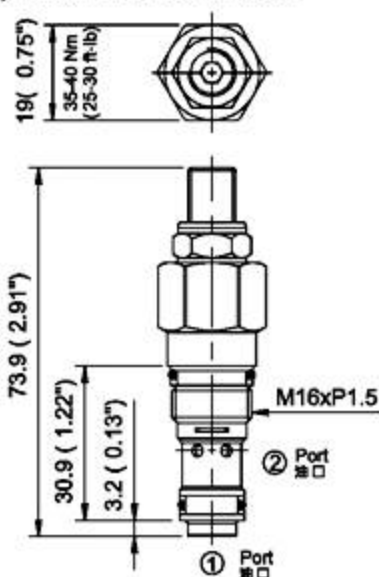
3 ADJUSTMENT OPTION 調整選擇

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

◆ CONTROL PORT(S) 動作形式

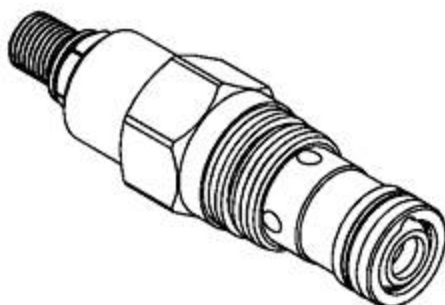


◆ DIMENSIONS 外觀尺寸圖



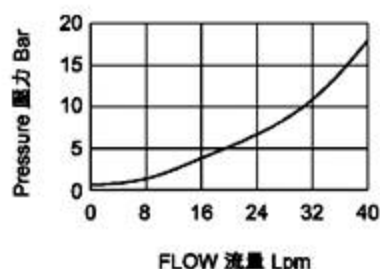
◆ **MODEL 型 式**

VNC-02



◆ **PERFORMANCE (Cartridge Only)**

特性曲線



◆ **SPECIFICATIONS 規 格**

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重 量 Kg
VNC-02	350 (5076 psi)	40 (10.56 gpm)	0.17 (0.37 lbs)
Fluid Type 液體型式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染程度		ISO4406, 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3
VNC	02	*

1 **VALVE SERIES 系列名稱**

VNC=CARTRIDGE CHECK THROTTLE VALVES
嵌入式止回節流閥

2 **SUBPLATE MOUNTING SIZE 副牌口徑**

01:T-13A
Cavity 孔口:CST-13A
See Page Appendixes-A_006
見附錄A_006頁碼

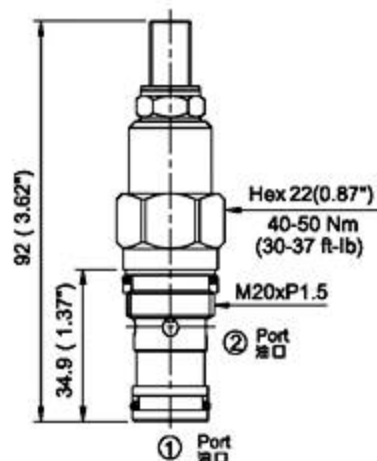
3 **ADJUSTMENT OPTION 調整選擇**

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

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

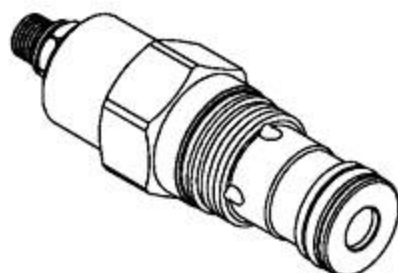


FLOW CONTROL VALVES 流量控制閥

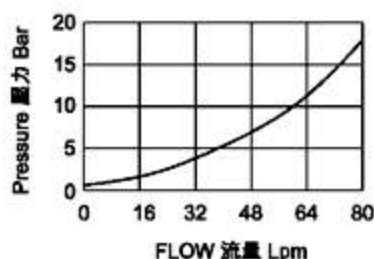
VNC SERIES CARTRIDGE CHECK THROTTLE VALVES VNC系列插入式止回節流閥

◆ MODEL 型 式

VNC-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
VNC-03	350 (5076 psi)	80 (21.13 gpm)	0.28 (0.62 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
VNC	03	*

1 VALVE SERIES 系列名稱

VNC=CARTRIDGE CHECK THROTTLE VALVES
插入式止回節流閥

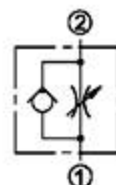
2 SUBPLATE MOUNTING SIZE 副牌口徑

01 :T-5A
Cavity 孔口:CST-5A
See Page Appendixes-A_006
見附錄A_006頁面

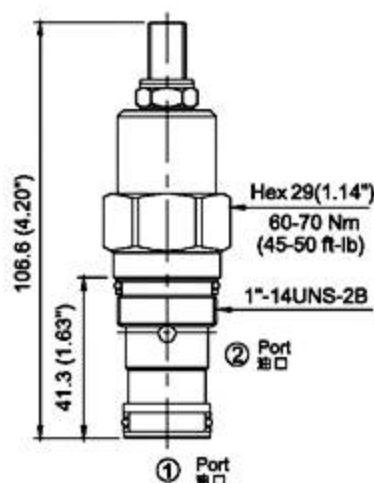
3 ADJUSTMENT OPTION 調整選擇

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

◆ CONTROL PORT(S) 動作形式

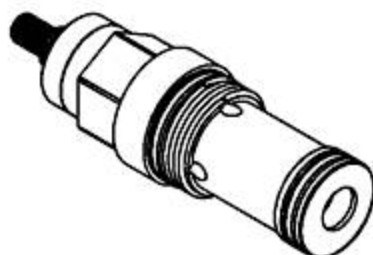


◆ DIMENSIONS 外型尺寸圖



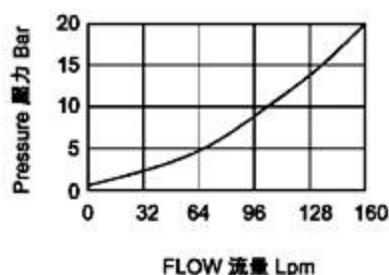
◆ **MODEL 型 式**

VNC-06



◆ **PERFORMANCE (Cartridge Only)**

特性曲線



◆ **SPECIFICATIONS 規 格**

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重 量 Kg
VNC-06	350 (5076 psi)	160 (42.27 gpm)	0.6 (1.32 lbs)
Fluid Type 液體型式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染等級		ISO4406: 21/19/16 NAS1638,10	

◆ **HOW TO ORDER 編號說明**

1	2	3
VNC	06	*

1 **VALVE SERIES 系列名稱**

VNC=CARTRIDGE CHECK THROTTLE VALVES
插入式止回節流閥

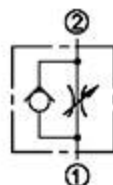
2 **SUBPLATE MOUNTING SIZE 副牌口徑**

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

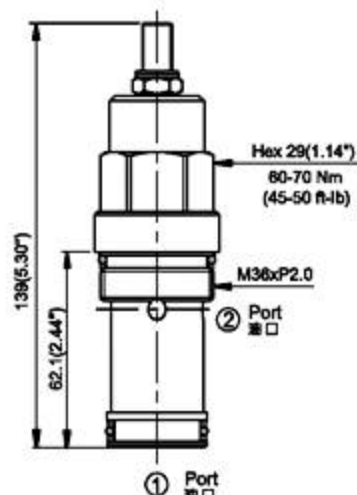
3 **ADJUSTMENT OPTION 調整選擇**

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

◆ **CONTROL PORT(S) 動作形式**



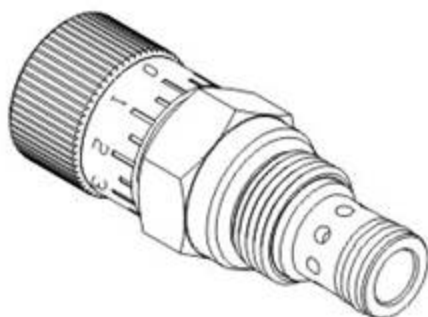
◆ **DIMENSIONS 外型尺寸圖**



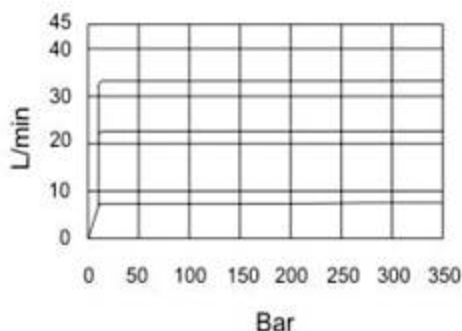
FLOW CONTROL VALVES 流量控制閥

VOF SERIES CARTRIDGE THROTTLE VALVES (Pressure Compensated Included) VOF系列插入式節流閥(壓力補償)

◆ MODEL 型 式 VOF-10



◆ PERFORMANCE 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Operating Pressure 操作壓力 Bar	Control Flow 控制流量 lpm	Weight 重量 Kg
VOF-10	350 (5076 psi)	0.1~30 (0.03~7.93 gpm)	0.25 (0.55lbs)
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
VOF	10	*

1 VALVE SERIES 系列名稱

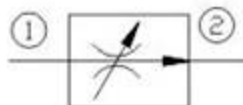
VOF = CARTRIDGE THROTTLE VALVES
(Pressure Compensated Included)
插入式節流閥(壓力補償)

2 SUBPLATE MOUNTING SIZE 插口口徑

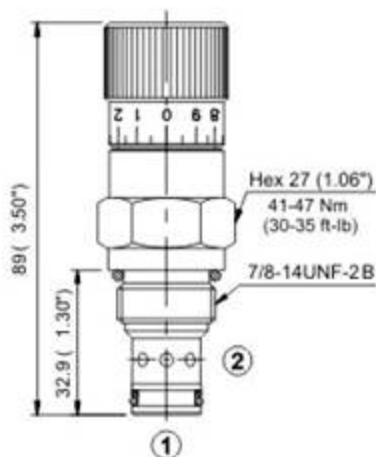
Size : 10
Cavity 孔口: CS10-2N
See Page Appendixes-A_001
見附錄A_001頁碼

3 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



FLOW CONTROL VALVES

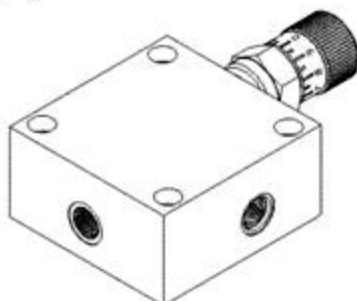
流量控制閥

VOFH SERIES FLOW VALVES

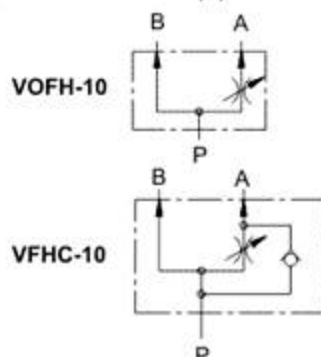
VOFH 系列流量閥

◆ MODEL 型 式

VOFH-10



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 Bar	Control Flow 控制流量 lpm	Weight 重量 Kg
VOFH-10	350 (5076 psi)	0.1~30 (0.03~7.93 gpm)	1.1 (2.42lbs)
VFHC-10			
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
VOFH	10	1P

1 VALVE SERIES 系列名稱

VOFH = FLOW VALVES 流量閥
VFHC = FLOW VALVES (Included check valves)
流量閥(附止逆閥)

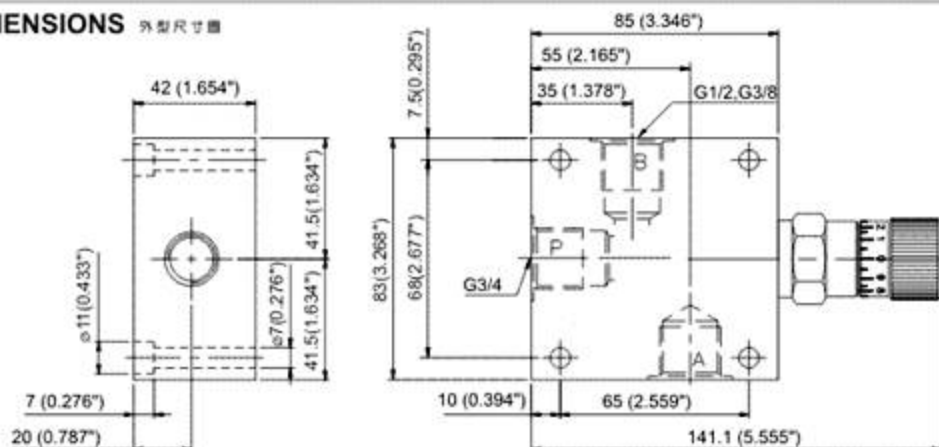
3 THREADED TYPE 螺紋規格

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

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 頁面

◆ DIMENSIONS 外型尺寸圖

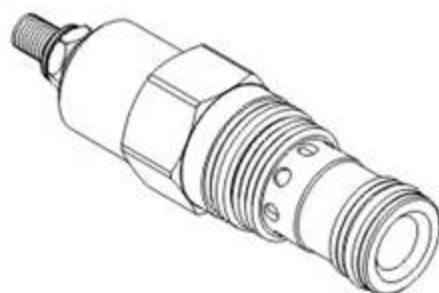


FLOW CONTROL VALVES 流量控制閥

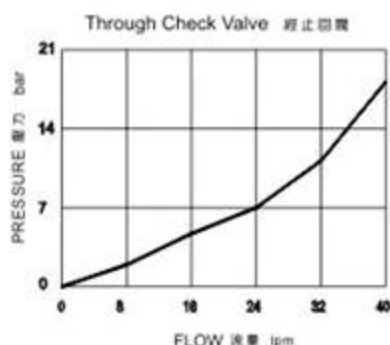
VT SERIES CARTRIDGE THROTTLE VALVES VT 系列插入式節流閥

◆ MODEL 型 式

VT-02



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VT-02	350 (5076 psi)	35 (9.25 gpm)	0.16 (0.35 lbs)
Fluid Type 流體型式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406: 21/19/16 NAS1638,10	

◆ HOW TO ORDER 編號說明

1	2	3	4
VT	02	— *	— *

1 VALVE SERIES 系列名稱

VT=CARTRIDGE THROTTLE VALVES

插入式節流閥

2 SUBPLATE MOUNTING SIZE 板厚口徑

02: T-13A

Cavity 孔口: CST-13A

See Page Appendixes-A_006

見附錄A_006頁面

3 ADJUSTMENT OPTION 調整選擇

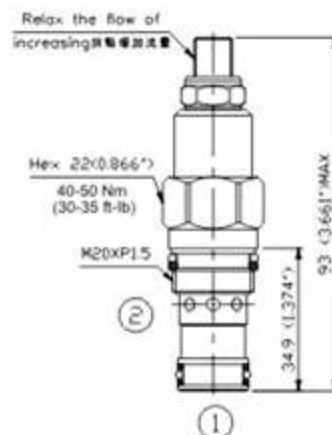
NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST K 手把調整式	

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式

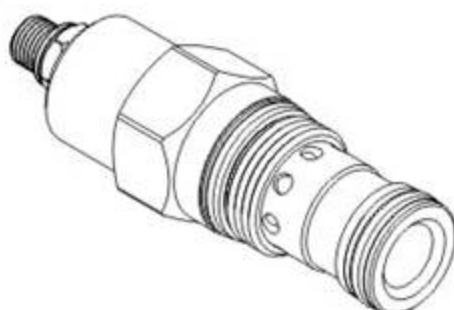


◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VT-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
VT-03	350 (5076 psi)	50 (13.21 gpm)	0.3 (0.66 lbs)
Fluid Type 液體型式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406: 21/19/16 NAS1638:10	

◆ **HOW TO ORDER 編號說明**

1	2	3	4
VT	03	— *	— *

1 VALVE SERIES 系列名稱

VT=CARTRIDGE THROTTLE VALVES
插入式節流閥

2 SUBPLATE MOUNTING SIZE 轉印口徑

03 : T-5A
Cavity 孔口 : CST-5A
See Page Appendixes-A_006
見附錄A_006 頁面

3 ADJUSTMENT OPTION 調整選擇

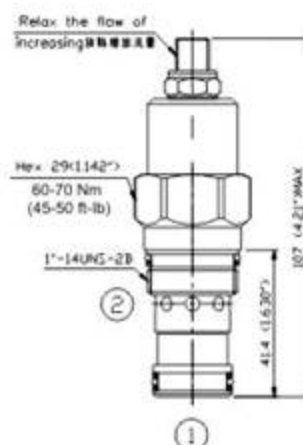
NONE	NONE TOOL ADJUST 無工具調整式	
K	K-HAND-BAR ADJUST K-手把調整式	

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

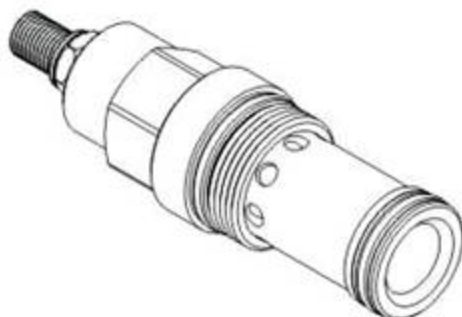


FLOW CONTROL VALVES 流量控制閥

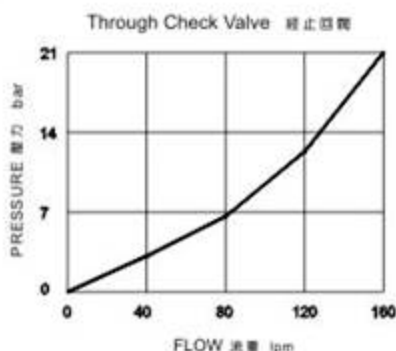
VT SERIES CARTRIDGE THROTTLE VALVES VT 系列插入式節流閥

◆ MODEL 型 式

VT-06



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 Lpm	Weight 重量 Kg
VT-06	350 (5076 psi)	160 (42.27 gpm)	0.6 (1.32 lbs)
Fluid Type 液體型式		ISO VG 32,46,68	
Viscosity 黏性 cSt		10~400 (59~1854SSU)	
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)	
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10	

◆ HOW TO ORDER 編號說明

1	2	3	4
VT	06	— *	— *

1 VALVE SERIES 系列名稱

VT=CARTRIDGE THROTTLE VALVES

插入式節流閥

2 SUBPLATE MOUNTING SIZE 板接口徑

06: T-16A

Cavity 孔口: CST-16A

See Page Appendixes-A_007

見附錄A_007 頁面

3 ADJUSTMENT OPTION 調整選擇

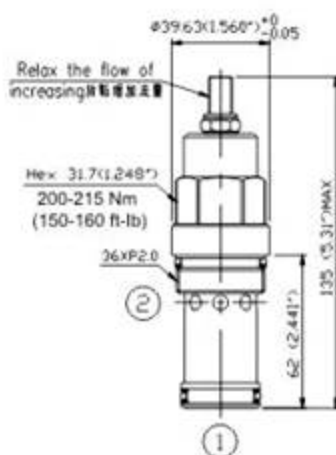
NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST K 手把調整式	

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

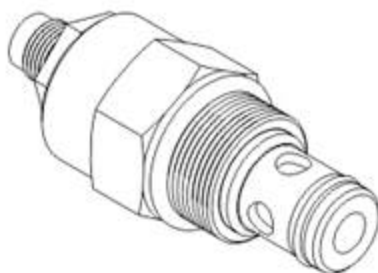


FLOW CONTROL VALVES 流量控制閥

VTC SERIES CARTRIDGE TYPE FLOW VALVES VTC 系列插入式流量閥

◆ MODEL 型 式

VTC08-20



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VTC08-20	350 (5076 psi)	45 (11.89 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	3	4
VTC	08	— *	20

1 VALVE SERIES 系列名稱

VTC= CARTRIDGE TYPE FLOW VALVES
插入式流量閥

2 SUBPLATE MOUNTING SIZE 板厚口徑

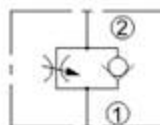
Size: 08
Cavity 孔口: CS08-2N
See Page Appendixes-A_001
見附錄A_001 頁面

3 ADJUSTMENT OPTION 調整選擇

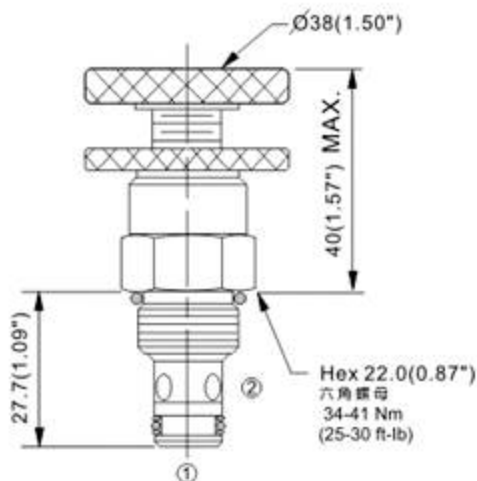
NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST K 手把調整式	
K1	K1 HAND-BAR ADJUST K1 手把調整式	

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式

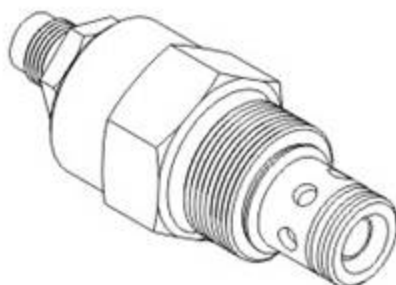


◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VTC10-20



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VTC10-20	240 (3481 psi)	45 (11.89 gpm)	0.17 (0.37 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
VTC	10	*	20

1 VALVE SERIES 系列名稱

VTC= CARTRIDGE TYPE FLOW VALVES
插入式流量閥

2 SUBPLATE MOUNTING SIZE 板印口徑

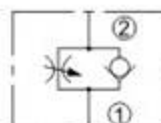
Size:10
Cavity 孔口:CS10-2N
See Page Appendixes-A_001
見附錄A_001 頁數

3 ADJUSTMENT OPTION 調整選擇

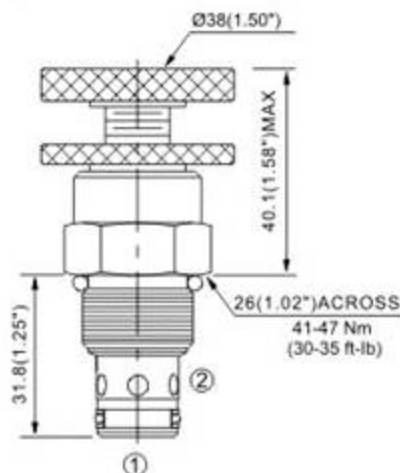
NONE	NONE:TOOL ADJUST 無，工具調整式	
K	K:HAND-BAR ADJUST K，手把調整式	
K1	K1:HAND-BAR ADJUST K1，手把調整式	

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**

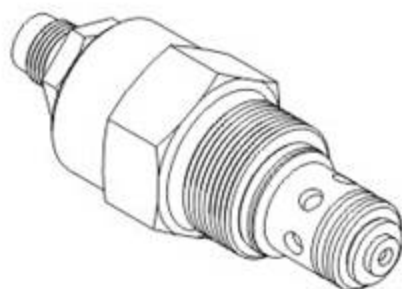


◆ **DIMENSIONS 外型尺寸圖**



◆ **MODEL 型 式**

VTC10-22



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VTC10-22	240 (3481 psi)	57 (15.06 gpm)	0.17 (0.37 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
VTC	10	— *	— 22

1 VALVE SERIES 系列名稱

VTC= CARTRIDGE TYPE FLOW VALVES
插入式流量閥

2 SUBPLATE MOUNTING SIZE 插口尺寸

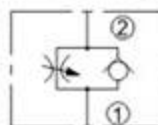
Size:10
Cavity 孔口:CS10-2N
See Page Appendixes-A_001
見附錄A_001 頁面

3 ADJUSTMENT OPTION 調整選擇

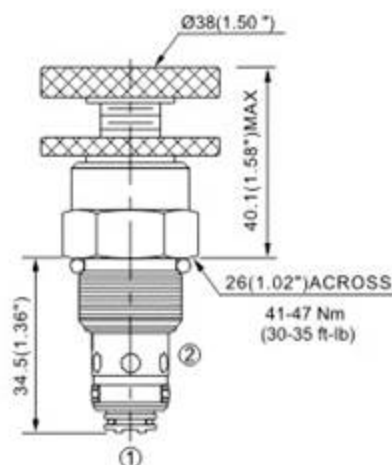
NONE	NONE: TOOL ADJUST 無：工具調整式	
K	K: HAND-BAR ADJUST K：手把調整式	
K1	K1: HAND-BAR ADJUST K1：手把調整式	

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

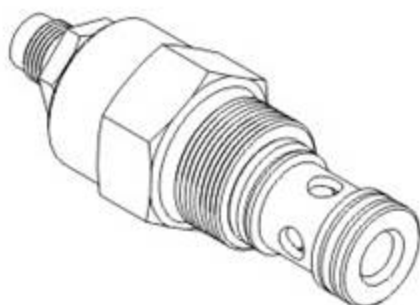


FLOW CONTROL VALVES 流量控制閥

VTC SERIES CARTRIDGE TYPE FLOW VALVES VTC 系列插入式流量閥

◆ MODEL 型 式

VTC12-20



◆ SPECIFICATIONS 規 格

Model Number 型 號	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VTC12-20	240 (3481 psi)	128.7 (34.00 gpm)	0.20 (0.45 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
VTC	12	*	20

1 VALVE SERIES 系列名稱

VTC= CARTRIDGE TYPE FLOW VALVES
插入式流量閥

2 SUBPLATE MOUNTING SIZE 插板口徑

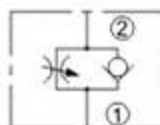
Size: 12
Cavity 孔口: CS12-2N
See Page Appendixes-A_001
見附錄A_001 頁面

3 ADJUSTMENT OPTION 調整選擇

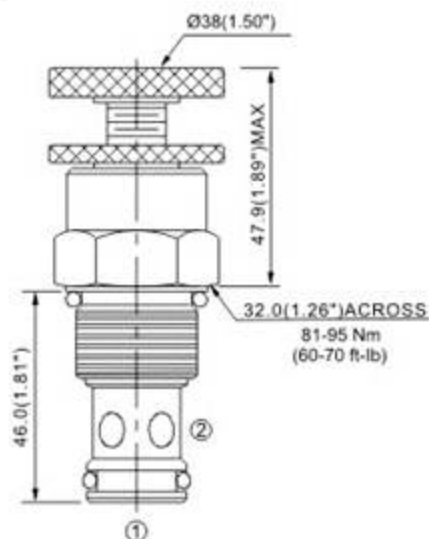
NONE	NONE: TOOL ADJUST 無、工具調整式	
K	K: HAND-BAR ADJUST K、手把調整式	
K1	K1: HAND-BAR ADJUST K1、手把調整式	

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式

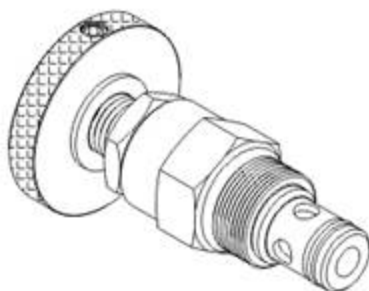


◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VTV-08

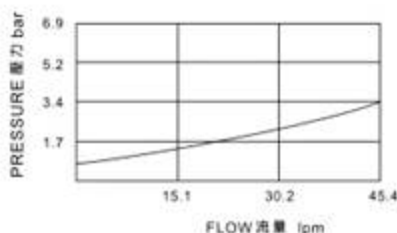


◆ **DESCRIPTION 說明**

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.

以螺紋調節・插入型式・變孔口・液壓流量控制閥

◆ **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
VTV-08	350 (5076 psi)	45 (11.89 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
VTV	08	— *	— 10

1 VALVE SERIES 系列名稱

VTV= CARTRIDGE THROTTLE VALVES
插入式節流閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

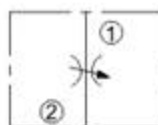
Size:08
Cavity 孔口 CS08-2N
See Page Appendixes-A_001
見附錄A_001 頁面

3 ADJUSTMENT OPTION 調整選擇

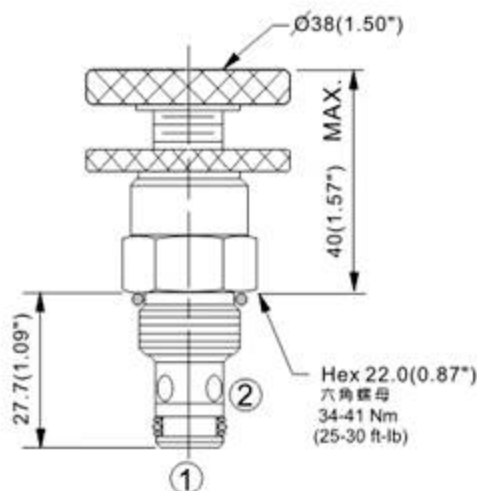
NONE	NONE: TOOL ADJUST 無・工具調整式	
K	K: HAND-BAR ADJUST K・手把調整式	
K1	K1: HAND-BAR ADJUST K1・手把調整式	

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

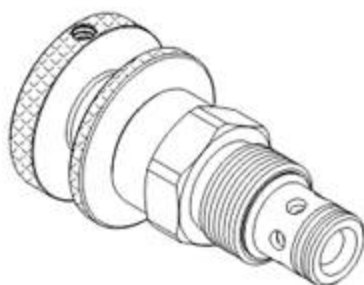


FLOW CONTROL VALVES 流量控制閥

VTV SERIES CARTRIDGE THROTTLE VALVES VTV 系列插入式節流閥

◆ MODEL 型 式

VTV-10

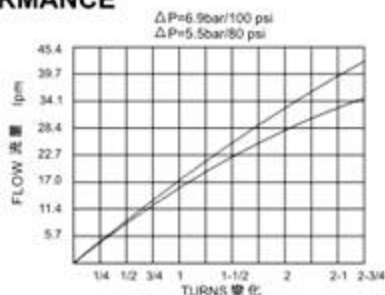


◆ DESCRIPTION 說 明

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.

以螺紋調節，插入型式，變動孔口，液壓流量控制閥

◆ 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
VTV-10	350 (5076 psi)	56 (14.79 gpm)	0.18 (0.39 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	4
VTV	10	*	10

1 VALVE SERIES 系列名稱

VTV= CARTRIDGE THROTTLE VALVES
插入式節流閥

2 SUBPLATE MOUNTING SIZE 插口尺寸

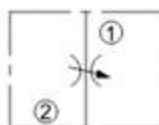
Size: 10
Cavity 孔口 CS10-2N
See Page Appendixes-A_001
見附錄A_001 頁面

3 ADJUSTMENT OPTION 調整選擇

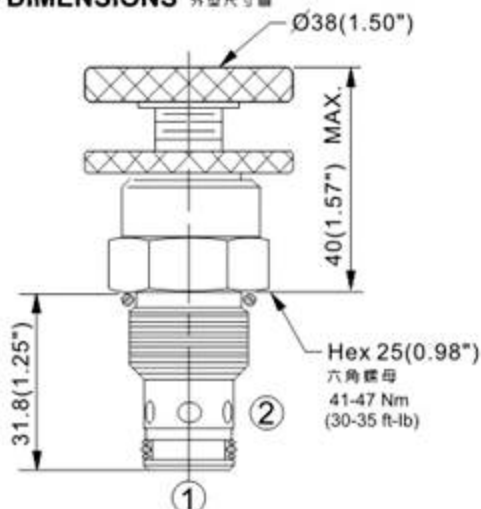
NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST K 手把調整式	
K1	K1 HAND-BAR ADJUST K1 手把調整式	

4 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖



◆ **MODEL 型 式**

VTV-12

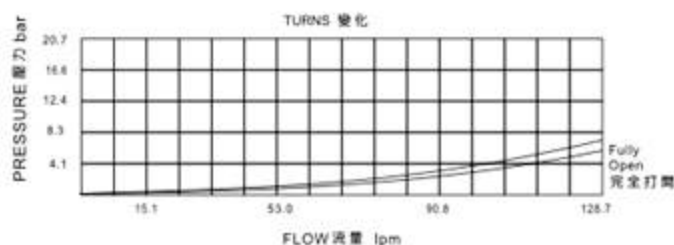


◆ **DESCRIPTION 說 明**

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.
以螺紋調節、插入型式、變孔口、液壓流量控制閥

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

Oil Temperature 油溫: 50°C (122°F) Viscosity 黏度: 35 cSt



◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VTV-12	350 (5076 psi)	128 (33.81 gpm)	0.32 (0.70 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
VTV	12	— *	— *

1 VALVE SERIES 系列名稱

VTV= CARTRIDGE THROTTLE VALVES
插入式節流閥

2 SUBPLATE MOUNTING SIZE 稱呼口徑

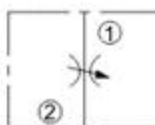
Size: 12
Cavity 孔口 CS12-2N
See Page Appendixes-A_001
見附錄A_001 頁碼

3 ADJUSTMENT OPTION 調整選擇

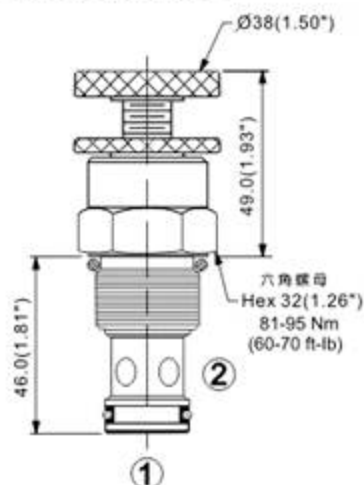
NONE	NONE TOOL ADJUST 無工具調整式	
K	K-HAND-BAR ADJUST K 手把調整式	
K1	K1-HAND-BAR ADJUST K1 手把調整式	

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

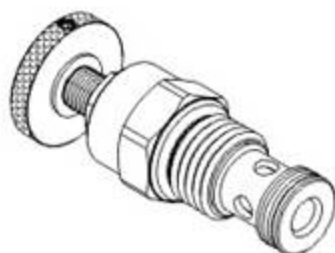


FLOW CONTROL VALVES 流量控制閥

VTV SERIES CARTRIDGE THROTTLE VALVES VTV 系列插入式節流閥

MODEL 型 式

VTV-12U

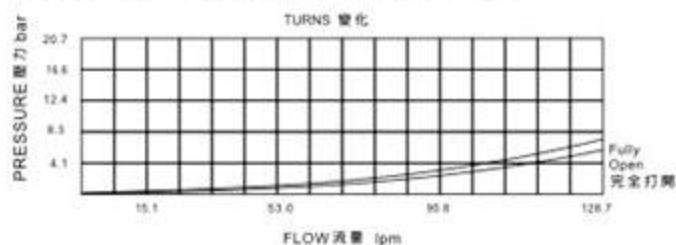


DESCRIPTION 說 明

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.
以螺紋調節、插入型式、變孔口、液壓流量控制閥

PERFORMANCE (Cartridge Only) 特性曲線

Oil Temperature 油溫: 50°C (122°F) Viscosity 黏度: 35 cSt



SPECIFICATIONS 規 格

Model Number 型式號碼	Operating Pressure 操作壓力 bar	Flow 流量 lpm	Weight 重量 Kg
VTV-12U	350 (5076 psi)	128 (33.81 gpm)	0.32 (0.70 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
VTV	12U	*	*

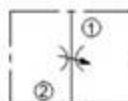
1 VALVE SERIES 系列名稱

VTV= CARTRIDGE THROTTLE VALVES
插入式節流閥

2 SUBPLATE MOUNTING SIZE 板厚口徑

Size: 12U
Cavity 孔口: CS12U-2N

CONTROL PORT(S) 動作形式

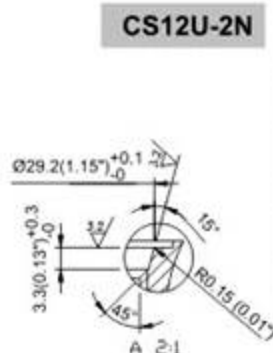
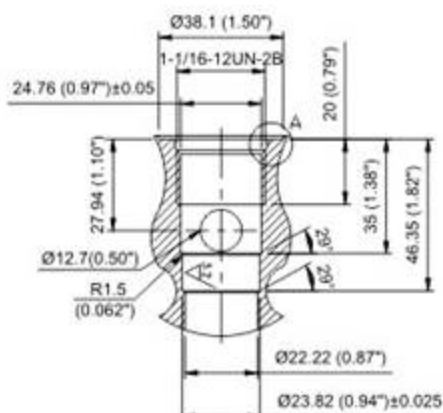
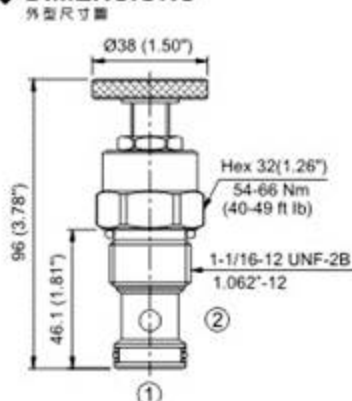


3 ADJUSTMENT OPTION 調整選擇

NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST K 手把調整式	
K1	K1 HAND-BAR ADJUST K1 手把調整式	

4 DESIGN NO 設計編號

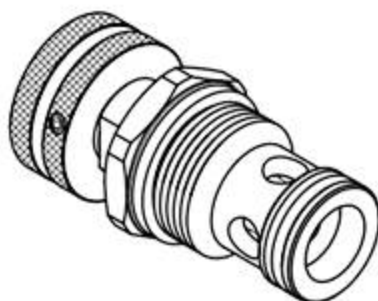
DIMENSIONS 外型尺寸圖



CS12U-2N

◆ **MODEL 型 式**

VTV-16

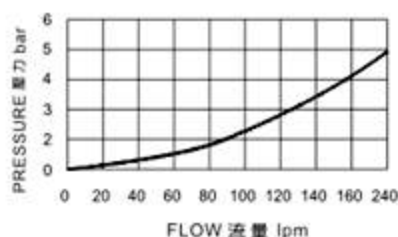


◆ **DESCRIPTION 說明**

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.

以螺紋調節，插入型式，變動孔口，液壓流量控制閥

◆ **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
VTV-16	350 (5076 psi)	210 (55.48 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	4
VTV	16	— *	— *

1 VALVE SERIES 系列名稱

VTV= CARTRIDGE THROTTLE VALVES
插入式節流閥

2 SUBPLATE MOUNTING SIZE 編排口徑

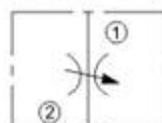
Size: 16
Cavity 孔口: CS16-2N
See Page Appendixes-A_002
見附錄A_002 頁碼

3 ADJUSTMENT OPTION 調整選擇

NONE	NONE TOOL ADJUST 無工具調整式	
K	K HAND-BAR ADJUST K 手把調整式	
K1	K1 HAND-BAR ADJUST K1 手把調整式	

4 DESIGN NO 設計編號

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

