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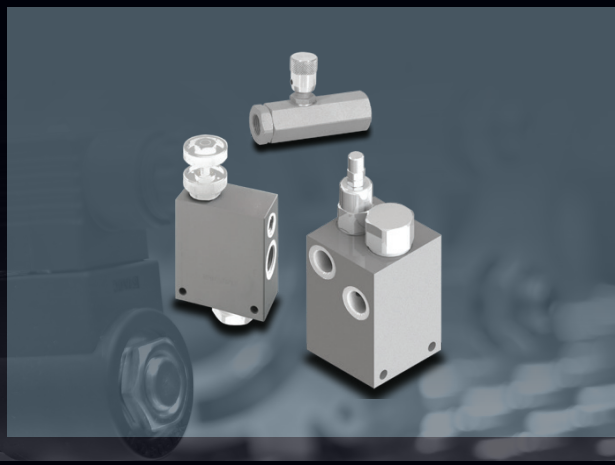

VALVES DE CONTRÔLE DE DÉBIT POUR MONTAGE EN LIGNE

IN-LINE HYDRAULIC FLOW CONTROL VALVES

Hydraulique

Électronique

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Note : Toutes les spécifications dans cette brochure se rapportent au produit standard en date d'aujourd'hui.
Canimex se réserve le droit d'interrompre, de modifier ou de réviser les spécifications de cette brochure sans préavis.

Note : All specifications in this brochure refer to the standard product at this date.
Canimex reserves the right to discontinue, modify or revise the specification shown in this brochure without notice.

Attention : Toutes les dimensions de cette brochure inscrites directement sur les dessins sont en millimètres et demeurent approximatives.
Pour des applications où les dimensions sont critiques, contacter Canimex.

Warning : All dimensions in this brochure shown on drawing are in millimetres and are approximate dimensions.
If your applications have space limitations, please contact Canimex.

INTRODUCTION

INFORMATION GÉNÉRALE / GENERAL INFORMATION

Le débit est un des paramètres très important dans un circuit hydraulique, créant un changement de vitesse au récepteur. Lorsqu.on veut limiter le débit d'un fluide, on diminue simplement la section de l'ouverture qu'il emprunte. La vitesse du récepteur en sera ainsi réduite. Parmi les valves de modulation du débit, on trouve principalement les limiteurs de débit avec étrangleur fixe ou réglable, et les régulateursde débit avec compensation de pression.

Flow is very important in a hydraulic circuit. It causes a speed change of the cylinder or the motor. A higher flow rate increases the speed of the receptor and a lower flow rate reduces it. Different type of flow control valves are available such as a standard flow control valves, pressure compensated flow control valves and flow dividers.

Limiteur de débit: Ce régulateur de débit à deux orifices comporte un étrangleur réglable à pointeau réglé par une vis. Le débit est entre autre proportionnel à l'ouverture de l'étrangleur. Ce type de régulateur est très sensible aux variations de viscosité du fluide.

Needle valve: The capacity of the needle valve is adjusted by the variation of the oil flow section. The output flow is vary according to the oil viscosity while working.

Limiteur de débit avec valve de retenue: Ce type de régulateur à 2 orifices est utilisé lorsqu'on souhaite que le limitation du débit n'ait lieu que dans un sens d'écoulement. Pour ce faire, on adjoint au régulateur de débit à 2 orifices un clapet de retenue dans le même corps de valve. On obtient un ensemble compact sans canalisation externe.

Throttle with check valve: Many applications require to linit the flow is one way only having the full flow on the other way. To do so, we just a check valve beside the needle valve in a same body. This way, we get a free flow on one way in a compact design.

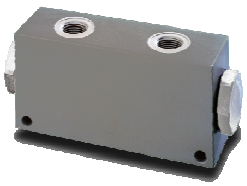
Contrôle de débit à pression compensée, 2-voies: Les valves de contrôle de débit à pression compensée ont pour but de garantir un débit constant malgré les variations de pression en charge de travail.

Pressure compensated flow control valve, 2-way: A pressure compensated flow control valve guarantees a constant outgoing flow whatever the variation odf the pressure on the load side.

Contrôle de débit à pression compensée, 3-voies: Sensiblement similaire au contrôle de débit à 2 voies, ce type de valve est qualifiée de valve de priorité. Elle est utilisée pour fournir un débit constant dans une branche du circuit et d'utiliser le débit excédentaire pour alimenter une seconde fonction.

Pressure compensated flow control valve, 3-way: **P**retty similar to the 2-way valve, this type of 3-way control valve is mainly called a priority valve. A constant flow is supplied to the main port while the remaining flow can be used under pressure or not for a secondary circuit.

Diviseur de débit: Un tel régulateur répartit le débit d'entrée en 2 ou plusieurs parties, égales ou différentes. Une des principales applications est de synchroniser les mouvements de 2 vérins. On peut aussi les utiliser à l'inverse pour réunir les débits. .



Flow divider: Used to split the inlet flow in 2 or many outlet flows, sane or different. ONe of the most popular application is to synchronize the speed of two cylinders. On the same way, those valves can be used alos to combine flow from the cylinder. So, both cylinders can be at the same speed in both ways.

| FT LIMITEUR DE DÉBIT / THROTTLE VALVE

FT

Schéma hydraulique
Hydraulic circuit

Limiteur de débit
Throttle valve

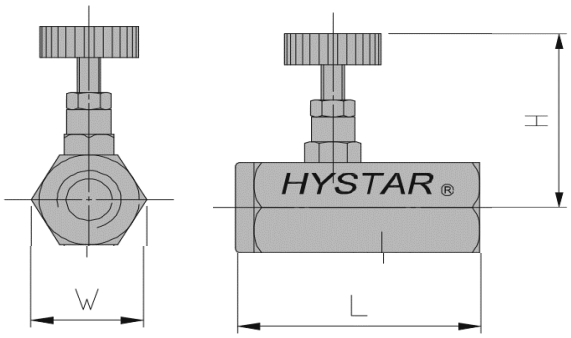
CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

Type	Grosseur Size	Débit nominal Nominal flow	Pression Pressure Max.	Poids Weight
		lpm (gpm)	bar (psi)	kg (lb)
FT-02	NPT 1/4 ; SAE 4	20 (5.3)	210 (3000)	0.2 (0.44)
FT-03	NPT 3/8 ; SAE 6	35 (9.3)		0.34 (0.75)
FT-04	NPT 1/2 ; SAE 8	60 (15.8)		0.50 (1.10)
FT-06	NPT 3/4 ; SAE 12	80 (21.2)		0.88 (2.00)

NOMENCLATURE / ORDERING CODE

FT	-02	-2590
Type	Grosseur Size	Filets Threads
FT	**02** NPT 1/4 ; SAE 4	**2090** NPT **2590** SAE
	03 NPT 3/8 ; SAE 6	
	04 NPT 1/2 ; SAE 8	
	06 NPT 3/4 ; SAE 12	

DIMENSIONS

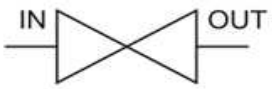


FT	Dimensions mm (in)		
	W	L	H (Max)
02	26(1.02)	62(2.44)	52(2.05)
03	33(1.30)	70(2.76)	72(2.84)
04	40(1.57)	79(3.11)	80(3.15)
06	47(1.85)	92(3.62)	88(3.47)

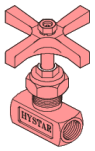
| GCT LIMITEUR DE DÉBIT / NEEDLE VALVE

GCT

Schéma hydraulique
Hydraulic circuit



Limiteur de débit
Needle valve



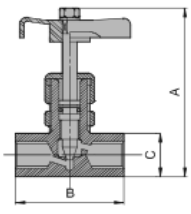
CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

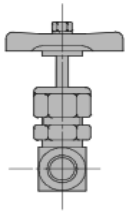
Type	Grosseur Size	Débit nominal Nominal flow	Pression Pressure Max.	Poids Weight
		lpm (gpm)	bar (psi)	kg (lb)
GCT-02(A)	NPT 1/4 ; SAE 4	2 (0.26)	350 (5100)	0.28 (0.62)
GCT-03(A)	NPT 3/8 ; SAE 6	21 (5.55)		0.28 (0.62)
GCT-04(A)	NPT 1/2 ; SAE 8	30 (7.93)		0.70 (1.55)
GCT-06(A)	NPT 3/4 ; SAE 12	100 (26.4)		1.10 (2.44)
GCT-08(A)	NPT 1 ; SAE 16	300 (79.3)		2.30 (5.10)

NOMENCLATURE / ORDERING CODE

GCT	-02(A)	-2090
Type	Grosseur / Size	Filets / Threads
GCT	**02(A)** NPT 1/4 ; SAE 4	**2090** NPT **2590** SAE
	03(A) NPT 3/8 ; SAE 6	
	04(A) NPT 1/2 ; SAE 8	
	06(A) NPT 3/4 ; SAE 12	
	08(A) NPT 1 ; SAE 16	

DIMENSIONS



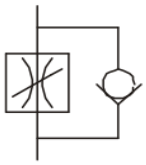


GCT	Dimensions mm (in)		
	A	B	C
02-A	97(3.81)	51(2.00)	22(0.86)
03-A	97(3.81)	51(2.00)	22(0.86)
04-A	108(4.25)	65(2.55)	32(1.25)
06-A	128(5.03)	80(3.14)	38(1.49)
08-A	141(5.55)	95(3.74)	51(2.00)

| FTC LIMITEUR AVEC RETOUR / THROTTLE FREE FLOW

FTC

Schéma hydraulique
Hydraulic circuit



Limiteur de débit avec retour libre
Throttle with free flow

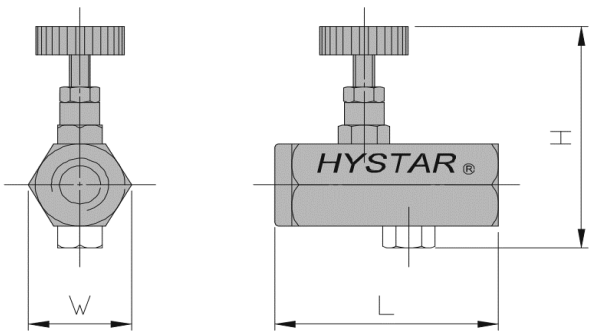
CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

Type	Grosseur Size	Débit nominal Nominal flow	Pression Pressure Max.	Pré-ouverture Cracking pressure	Poids Weight
		lpm (gpm)	bar (psi)	bar (psi)	kg (lb)
FTC-02	NPT 1/4 ; SAE 4	20 (5.3)	210 (3000)	0.5 (7)	0.25 (0.55)
FTC-03	NPT 3/8 ; SAE 6	35 (9.3)			0.41 (0.90)
FTC-04	NPT 1/2 ; SAE 8	60 (15.8)			0.62 (1.36)
FTC-06	NPT 3/4 ; SAE 12	80 (21.2)			0.90 (2.00)

NOMENCLATURE / ORDERING CODE

FTC	-02	-2590
Type	Grosseur Size	Filets Threads
FTC	**02** NPT 1/4 ; SAE 4	**2090** NPT **2590** SAE
	03 NPT 3/8 ; SAE 6	
	04 NPT 1/2 ; SAE 8	
	06 NPT 3/4 ; SAE 12	

DIMENSIONS

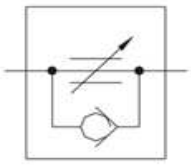


FTC	Dimensions mm (in)		
	W	L	H (Max)
02	26(1.02)	62(2.44)	60(2.36)
03	33(1.30)	70(2.76)	80(3.15)
04	40(1.57)	79(3.11)	90(3.54)
06	47(1.85)	92(3.62)	100(3.94)

| SRCT LIMITEUR AVEC RETOUR / THROTTLE FREE FLOW

SRCT

Schéma hydraulique
Hydraulic circuit



Limiteur de débit avec retour libre
Throttle with free flow

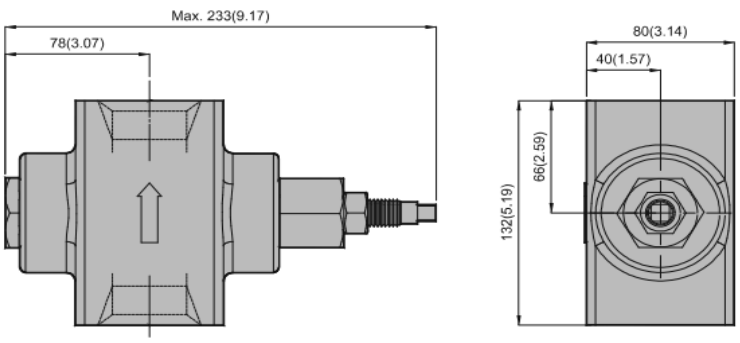
CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

Type	Grosseur Size	Débit nominal Nominal flow	Pression Pressure Max.	Poids Weight
		lpm (gpm)	bar (psi)	kg (lb)
SRCT-10	NPT 1-1/4 ; SAE 20	230 (60.7)	350 (5100)	0.28 (0.62)

NOMENCLATURE / ORDERING CODE

SRCT	-10	-2090
Type	Grosseur Size	Filets Threads
SRCT	**10** NPT 1-1/4 ; SAE 20	**2090** NPT

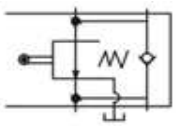
DIMENSIONS



| CLT VALVE DÉCÉLÉRATION / DECERELATION VALVE

CLT

Schéma hydraulique
Hydraulic circuit

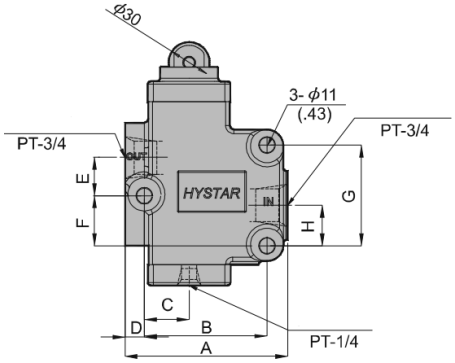


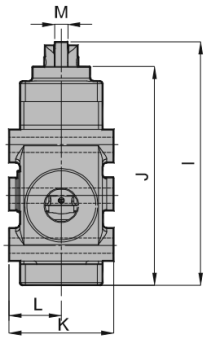
Valve de décélération
Deceleration valve

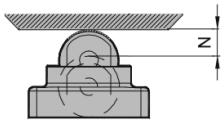
CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

Type	Code Canimex Code	Filets Threads	Débit nominal Nominal flow	Pression Pressure Max.	Poids Weight
			lpm (gpm)	bar (psi)	kg (lb)
CLT-04	186571	NPT 1/2	30 (7.92)	140 (2000)	5 (11)
CLT-06	192065	NPT 3/4	85 (22.4)		

DIMENSIONS







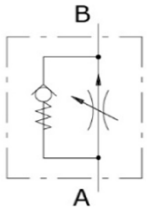
CLT	Dimensions (mm/in)							
	A	B	C	D	E	F	G	H
04	116(4.56)	84(3.30)	31(1.22)	16(0.62)	34(1.33)	16(0.62)	68(2.67)	26(1.02)
06	118(4.64)	90(3.54)	33(1.29)	13.5(0.53)	28(1.10)	35(1.37)	73(2.87)	29(1.14)

CLT	Dimensions (mm/in)						
	I	J	K	L	M	N	O
04	161(6.33)	145(5.68)	68(2.67)	34(1.33)	8(0.31)	27(1.06)	12(0.47)
06	177(6.94)	159(6.24)	76(2.99)	389(1.49)	9.5(0.37)	30(1.18)	12(0.47)

| FPC AVEC RETOUR / WITH FREE FLOW

FPC

Schéma hydraulique
Hydraulic circuit



Contrôle de débit avec retour libre
Flow control with free flow

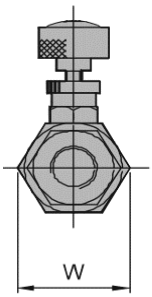
CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

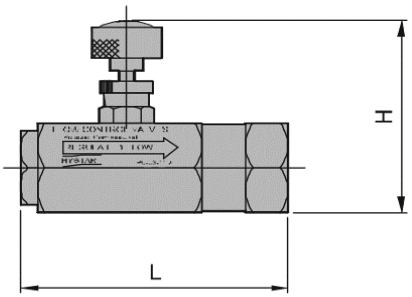
Type	Grosseur Size	Débit nominal Nominal flow	Pression Pressure Max.	Pré-ouverture Cracking pressure	Poids Weight
		lpm (gpm)	bar (psi)	bar (psi)	kg (lb)
FPC-03	NPT 3/8 ; SAE 6	20 (5.28)	250 (3625)	4.5 (60)	0.56 (1.23)
FPC-04	NPT 1/2 ; SAE 8	60 (15.85)			1.00 (2.20)
FPC-06	NPT 3/4 ; SAE 12	80 (21.13)			1.45 (3.19)

NOMENCLATURE / ORDERING CODE

FTC	-02	-2590
Type	Grosseur Size	Filets Threads
FPC	**03** NPT 3/8 ; SAE 6	**2090** NPT **2590** SAE
	04 NPT 1/2 ; SAE 8	
	06 NPT 3/4 ; SAE 12	

DIMENSIONS



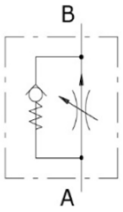


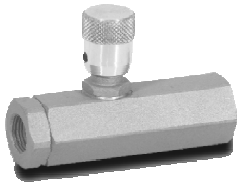
FPC	Dimensions mm (in)		
	W	L	H (Max)
03	40(1.57)	96(3.78)	77(3.03)
04	46.5(1.83)	109(4.29)	95(3.74)
06	63(2.48)	146(5.75)	102(4.02)

| VPR/2/RL/EX AVEC RETOUR / WITH FREE FLOW

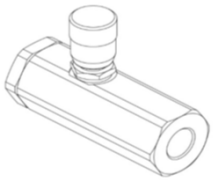
VPR/2/RL/EX

Schéma hydraulique
Hydraulic circuit





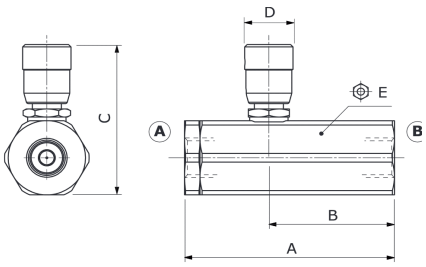
Contrôle de débit avec retour libre
Flow control with free flow



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

Type	Grosseur Size	Code Canimex Code	Filets Threads	Débit nominal Nominal flow	Débit nominal (libre) Nominal flow (free)	Pression Pressure Max.	Pré-ouverture Cracking pressure	Poids Weight
				lpm (gpm)	lpm (gpm)	bar (psi)	bar (psi)	kg (lb)
VPR/2/RL/EX	38	236397	SAE 6	17 (4.5)	30 (7.9)	300 (4350)	4.5 (60)	0.56 (1.23)
	12	236398	SAE 8	35 (9.2)	45 (11.9)	250 (3600)		1.00 (2.20)

DIMENSIONS

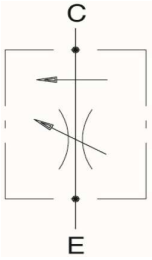


VPR/2/RL/EX	Dimensions mm (in)			
	A	B	D	E (Max)
38	87 (3.32)	52.5 (2.07)	20 (0.79)	32 (1.25)
12	107 (4.21)	61 (2.40)	20 (0.79)	36 (1.42)

| VPR/2/U CONTRÔLE DE DÉBIT / FLOW CONTROL

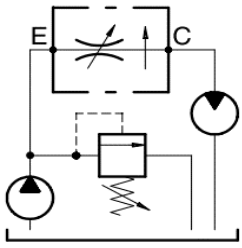
VPR/2/U

Schéma hydraulique
Hydraulic circuit



Contrôle de débit à pression compensée
Flow control pressure compensated

Application



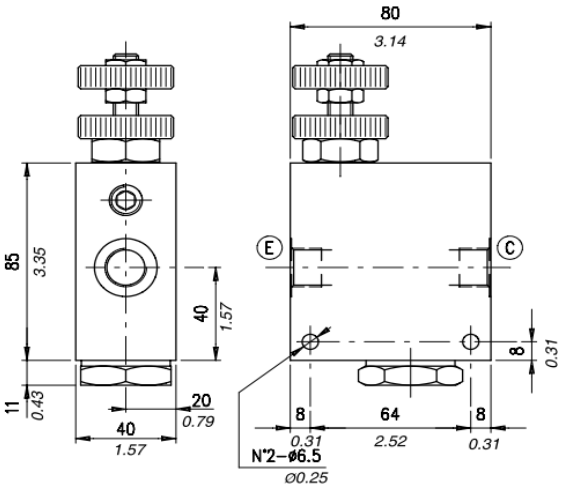
CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

Type	Débit nominal Nominal flow	Pression Pressure Max.	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/2/U38	30 (7.9)	210 (3050)	0.87 (1.91)
VPR/2/U38/AC		350 (5100)	1.92 (4.23)
VPR/2/U12	50 (13)	210 (3050)	0.90 (1.98)
VPR/2/U12/AC		350 (5100)	1.95 (4.3)
VPR/2/U34	90 (24)	210 (3050)	1.70 (3.75)
VPR/2/U34/AC		350 (5100)	3.55 (7.83)
VPR/2/U100	150 (40)	210 (3050)	3.92 (8.64)
VPR/2/U100/AC		350 (5100)	8.34 (18.39)

NOMENCLATURE / ORDERING CODE

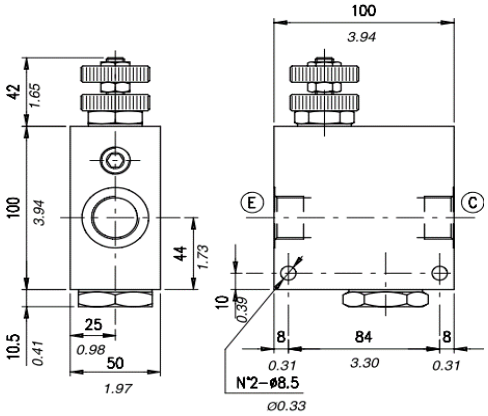
VPR/2/U	12	/V	/SAE	/AC
Type	Grosseur Size	Ajustement Adjustement	Filets Threads	Matériel Material
VPR/2/U	38	**V** Poignée Handknob	SAE	**Rien** **Omit** Aluminium Aluminum
	12	**MG** Poignée calibrée Handknob calibrated		**AC** Acier Steel
	34			
	100	**L** Levier Lever		

DIMENSIONS - VPR/2/U38 (12)



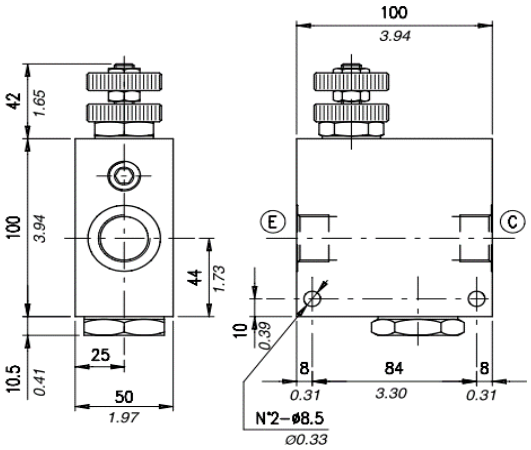
VPR/2/U	Filets Threads	
	E	C
38	SAE 8	SAE 8
12	SAE 10	SAE 10

VPR/2/U34



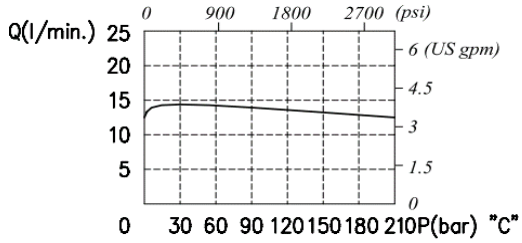
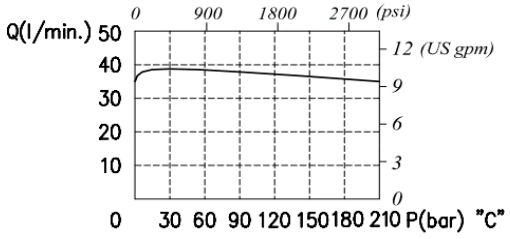
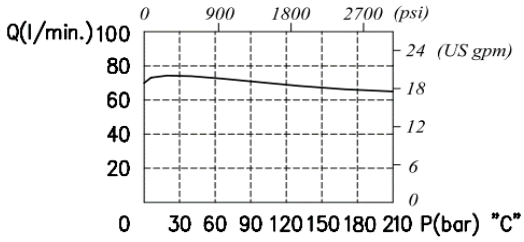
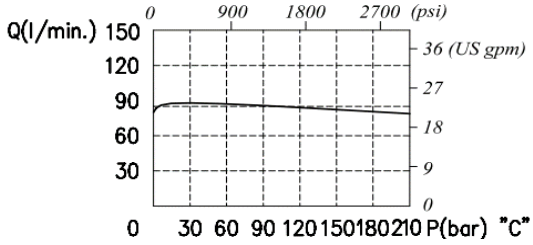
VPR/2/U	Filets Threads	
	E	C
34	SAE 12	SAE 12

VPR/2/U100



VPR/2/U	Filets Threads	
	E	C
100	SAE 16	SAE 16

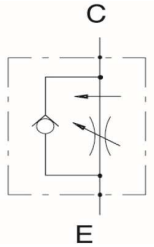
COURBES DE PERFORMANCES - PERFORMANCE CURVES

Type	Compensation de pression E-->C Pressure compensation E-->C	Compensation de pression E-->C Pressure compensation E-->C
VPR/2/U38 (12)		
VPR/2/U34		
VPR/2/U100		

| VPR/2/RL AVEC RETOUR / WITH FREE FLOW

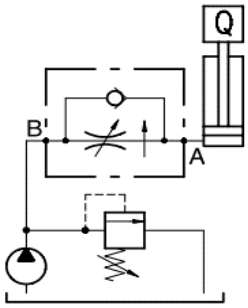
VPR/2/RL

Schéma hydraulique
Hydraulic circuit



Contrôle de débit à pression compensée
Flow control pressure compensated

Application



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

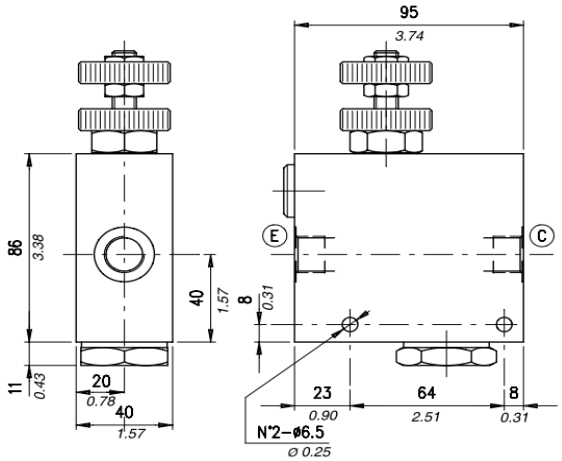
Type	Débit nominal Nominal flow	Pression Pressure Max.	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/2/RL38	30 (7.9)	210 (3050)	1.06 (2.34)
VPR/2/RL38/AC		350 (5100)	2.41 (5.31)
VPR/2/RL12	50 (13)	210 (3050)	1.06 (2.34)
VPR/2/RL12/AC		350 (5100)	2.43 (5.36)
VPR/2/RL34	90 (24)	210 (3050)	2.15 (4.73)
VPR/2/RL34/AC		350 (5100)	4.60 (10.14)
VPR/2/RL100	150 (39)	210 (3050)	5.14 (11.33)
VPR/2/RL100/AC	150 (39)	210 (3050)	5.14 (11.33)

NOMENCLATURE / ORDERING CODE

VPR/2/RL	12	/V	/SAE	/AC
Type	Grosseur Size	Ajustement Adjustement	Filets Threads	Matériel Material
VPR/2/RL	38	**V** Poignée Handknob **MG** Poignée calibrée Handknob calibrated **L** Levier Lever	SAE	**Rien** **Omit** Aluminium **AC** Acier Steel
	12			
	34			
	100			

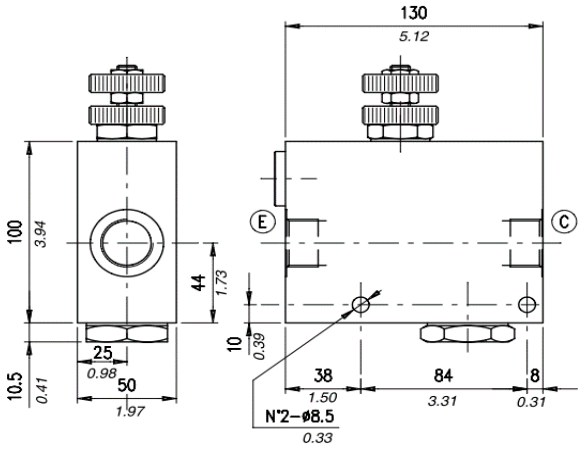
| VPR/2/RL AVEC RETOUR / WITH FREE FLOW

VPR/2/RL38 (12)



VPR/2/RL	Filets Threads	
	E	C
38	SAE 8	SAE 8
12	SAE 10	SAE 10

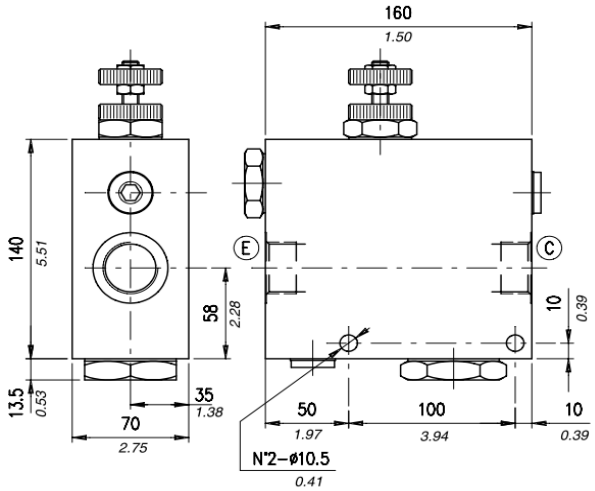
VPR/2/RL34



VPR/2/RL	Filets Threads	
	E	U
34	SAE 12	SAE 12

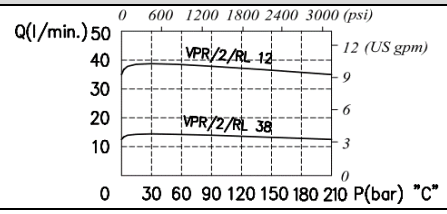
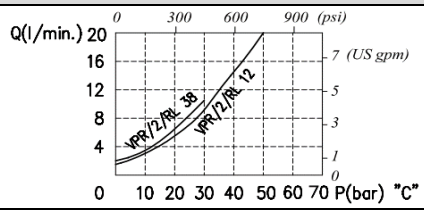
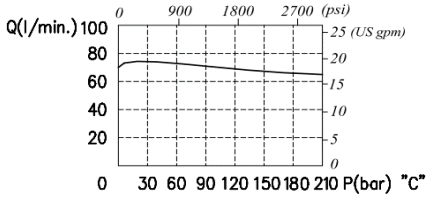
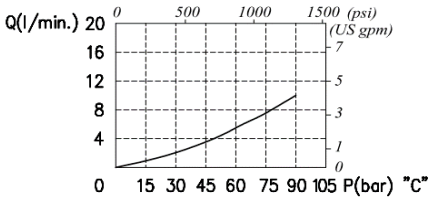
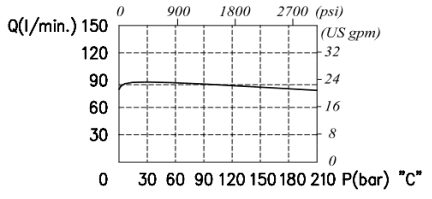
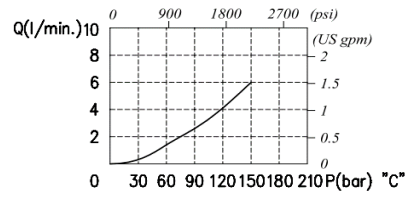
| VPR/2/RL AVEC RETOUR / WITH FREE FLOW

VPR/2/RL100



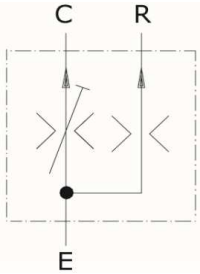
VPR/2/RL	Filets Threads	
	E	U
100	SAE 16	SAE 16

COURBES DE PERFORMANCES - PERFORMANCE CURVES

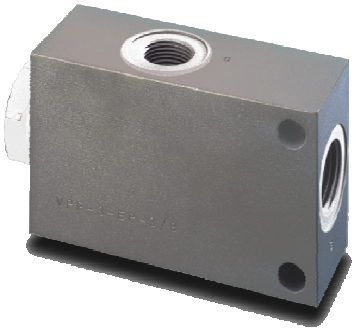
VPR/2/RL	Compensation de pression B-->A Pressure compensation B-->A	Perte de charge vs débit A-->B Pressure drop vs flow A-->B
38-12		
34		
100		

VPF/3/EP

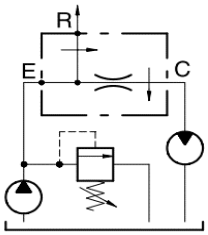
Schéma hydraulique
Hydraulic circuit



Régulateur à pression compensée à débit pré-réglé
Fixed constant flow control pressure compensated



Application



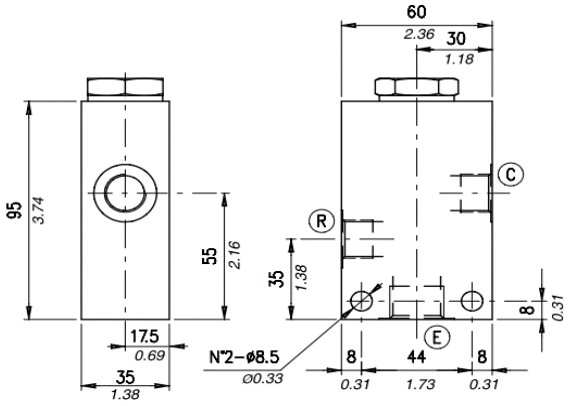
CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

Type	Débit Nominal Flow	Pression Pressure Max.	Filets Threads	Débit pré-réglé dans C suite à l'orifice fixe Flow regulated in C according to the fixed orifice lpm (gpm)					Poids Weight
				Ø 1 mm	Ø 2 mm	Ø 3 mm	Ø 5 mm	Ø 7 mm	
	lpm (gpm)	bar (psi)		0,04 in	0,079 in	0,12 in	0,2 in	0,27 in	kg (lb)
VPF/3/EP38	60 (16)	210 (3050)	SAE 8	1.2 (0.3)	5.0 (1.3)	11.0 (2.9)	-	-	0.60 (1.32)
VPF/3/EP38/AC		350 (5100)							1.35 (2.98)
VPF/3/EP12	100 (26)	210 (3050)	SAE 10	1.1 (0.3)	4.0 (1.0)	9.5 (2.5)	32.0 (8.4)	-	0.85 (1.87)
VPF/3/EP12/AC		350 (5100)							2.18 (4.81)
VPF/3/EP34	150 (40)	210 (3050)	SAE 12	1.3 (0.3)	5.0 (1.3)	11.0 (2.9)	33.0 (8.7)	77 (20)	1.67 (3.68)
VPF/3/EP34/AC		350 (5100)							3.71 (8.18)

NOMENCLATURE / ORDERING CODE

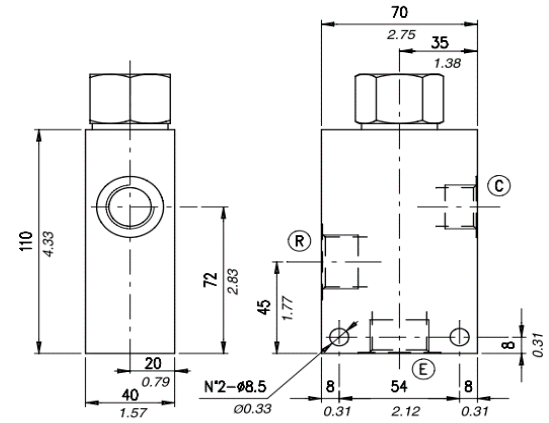
VPF/3/EP	12	/DS4.5	/SAE	/AC
Type	Grosseur Size	Orifice (mm)	Filets Threads	Matériel Material
VPF/3/EP	38	1 1,5 2 2,5 2,8 3 3,5 3,8 4 4,5	SAE	Rien Omit Aluminium AC Acier Steel
	12			
	34			

DIMENSIONS - VPF/3/EP38



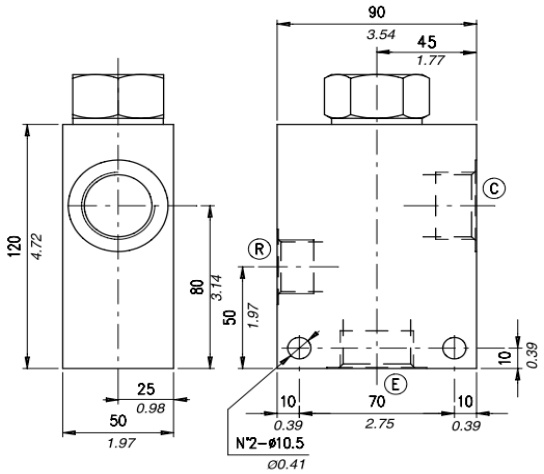
VPR/3/EP	Filets Threads	
	E	R-C
38	SAE 10	SAE 8

VPF/3/EP12



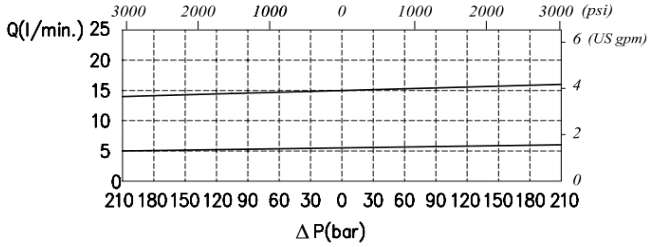
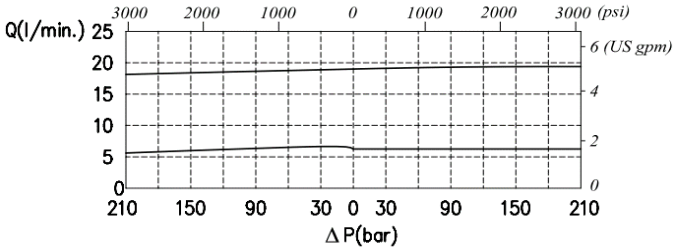
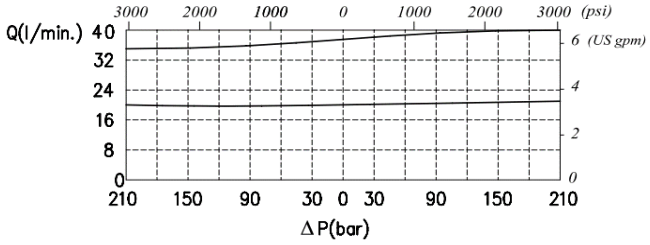
VPR/3/EP	Filets Threads	
	E	R-C
12	SAE 12	SAE 10

VPF/3/EP34



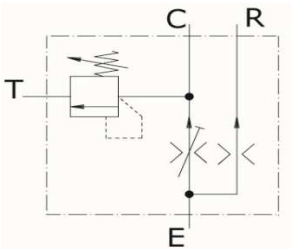
VPR/3/EP	Filets Threads	
	E	R-C
34	SAE 16	SAE 12

COURBES DE PERFORMANCES - PERFORMANCE CURVES

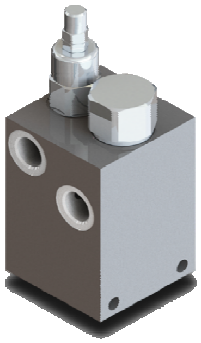
VPF/3/EP	Diagramme de compensation dans C en changeant le Δp entre E et R Compensation diagram in C changing the Δp between E and R
38	
12	
34	

VPF/3/EP*/VMP

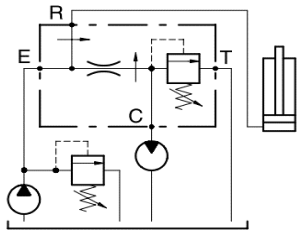
Schéma



Régulateur à pression compensée à débit pré-réglé avec limiteur de pression
Fixed constant flow control pressure compensated with relief



Applicati



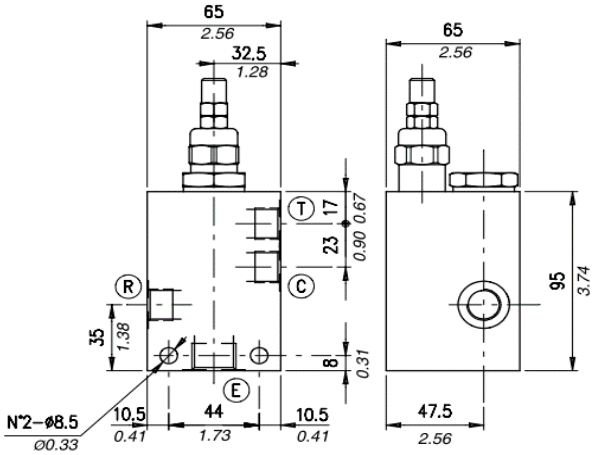
CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

Type	Débit Nominal Flow	Pression Pressure Max.	Filets Threads	Débit dans C dépendant de l'orifice fixe Flow regulated in C depending of the fixed orifice lpm (gpm)					Poids Weight
				Ø 1 mm	Ø 2 mm	Ø 3 mm	Ø 5 mm	Ø 7 mm	
	lpm (gpm)	bar (psi)		0,04 in	0,079 in	0,12 in	0,2 in	0,27 in	kg (lb)
VPF/3/EP38/VMP	60 (16)	210 (3050)	SAE 8	1.5 (0.4)	5.0 (1.3)	10.3 (2.7)	-	-	1.30 (2.87)
VPF/3/EP38/VMP/AC		350 (5100)							2.94 (6.48)
VPF/3/EP12/VMP	100 (26)	210 (3050)	SAE 10	1.1 (0.3)	4.0 (1.1)	9.5 (2.5)	33.0 (8.7)	-	1.90 (4.19)
VPF/3/EP12/VMP/AC		350 (5100)							4.38 (9.66)
VPF/3/EP34/VMP	150 (40)	210 (3050)	SAE 12	1.7 (0.5)	5.0 (1.3)	11.0 (2.9)	38.0 (10)	88.0 (23)	3.12 (6.88)
VPF/3/EP34/VMP/AC		350 (5100)							6.77 (14.92)

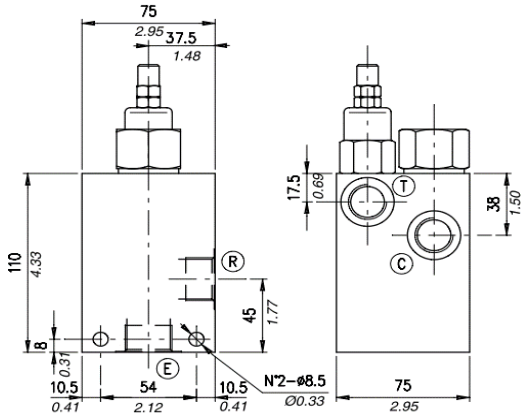
NOMENCLATURE / ORDERING CODE

VPF/3/EP	12	/DS4.5	/VMP	/SAE	/AC
Type	Grosseur Size	Orifice (mm)	Limiteur Relief	Filets Threads	Matériel Material
VPF/3/EP	**38**	**1** **1,5** **2** **2,5** **2,8** **3** **3,5** **3,8** **4** **4,5**	**VMP**	**SAE**	**Rien** **Omit** Aluminium **AC** Acier Steel
	12				
	34				

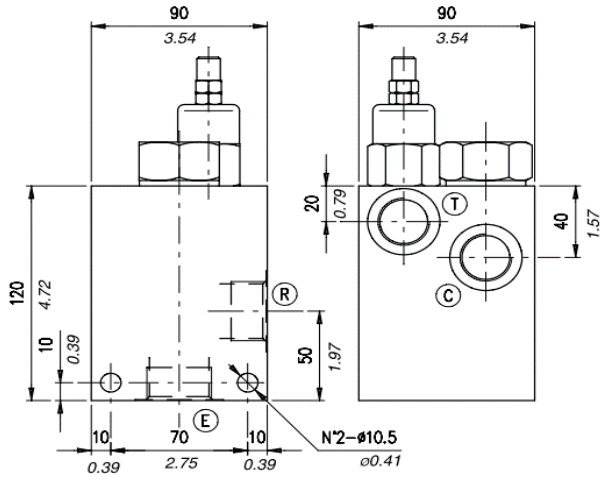
DIMENSIONS - VPF/3/EP38/VMP



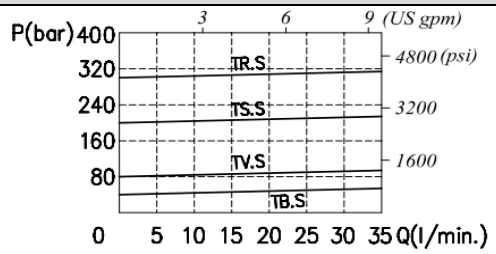
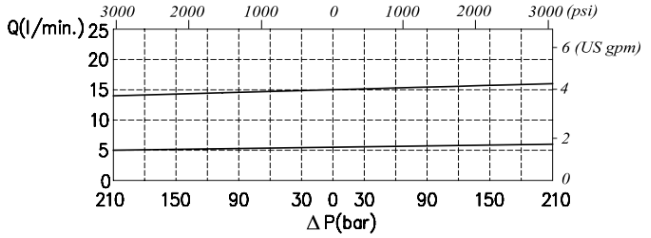
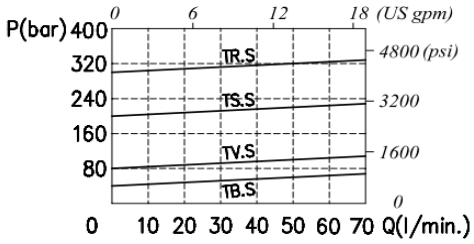
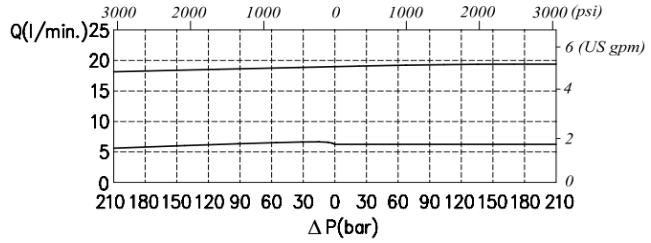
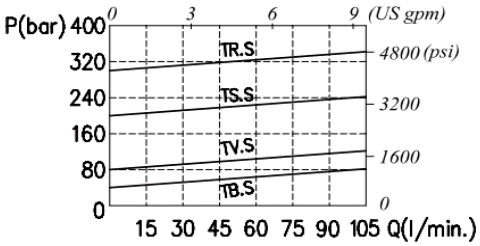
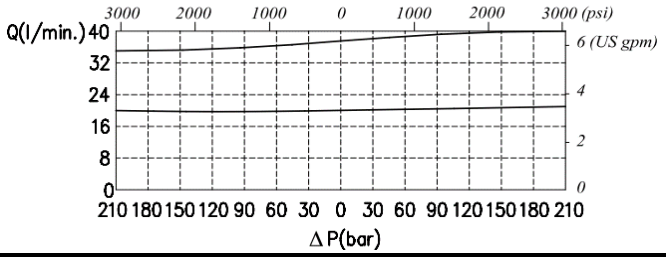
VPF/3/EP12/VMP



VPF/3/EP34/VMP



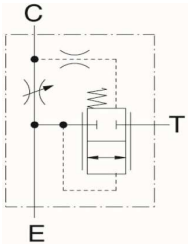
COURBES DE PERFORMANCES - PERFORMANCE CURVES

VPF...VMP	Graphique VMP VMP operation diagram	Diagramme de compensation dans C en changeant le Δp entre E et R Compensation diagram in C changing the Δp between E and R
38		
12		
34		

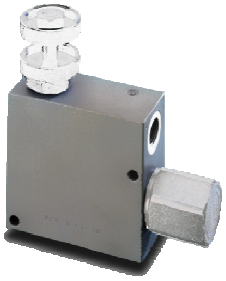
| VPR/3/ET VALVE DE PRIORITÉ / PRIORITY VALVE

VPR/3/ET

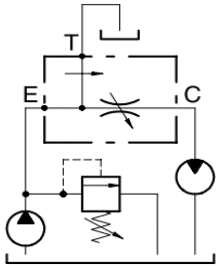
Schéma hydraulique
Hydraulic circuit



Régulateur de débit à pression compensée
Flow control pressure compensated



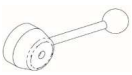
Application



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

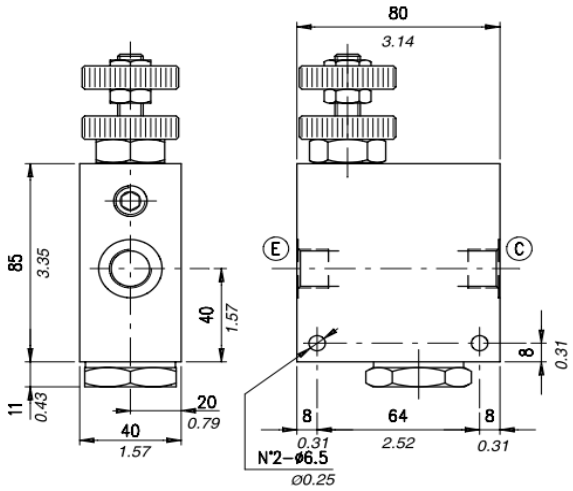
Type	Débit nominal Nominal flow	Pression maximale Maximum pressure	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/3/ET38	E=50 (13) C=30 (7.9)	210 (3050)	1.07 (2.36)
VPR/3/ET38/AC		350 (5100)	2.48 (5.47)
VPR/3/ET12	E=90 (24) C=50 (13)	210 (3050)	1.02 (2.25)
VPR/3/ET12/AC		350 (5100)	2.43 (5.36)
VPR/3/ET34	E=150 (40) C=90 (24)	210 (3050)	2.22 (4.89)
VPR/3/ET34/AC		350 (5100)	4.42 (9.74)
VPR/3/ET100	E=240 (63) C=63 (40)	210 (3050)	4.00 (8.82)
VPR/3/ET100/AC		350 (5100)	9.00 (19.84)
VPR/3/ET114	E=350 (92) C=250 (66)	210 (3050)	9.50 (20.94)
VPR/3/ET114/AC		350 (5100)	23.90 (52.69)

NOMENCLATURE / ORDERING CODE

VPR/3/ET	12	/V	/SAE	/AC
Type	Grosseur Size	Ajustement Adjustement	Filets Threads	Matériel Material
VPR/3/ET	38	**V** Poignée Handknob 	SAE	**Rien** **Omit** Aluminium **AC** Acier Steel
	12			
	34	**MG** Poignée calibrée Handknob calibrated 		
	100	**L** Levier Lever 		
	114			

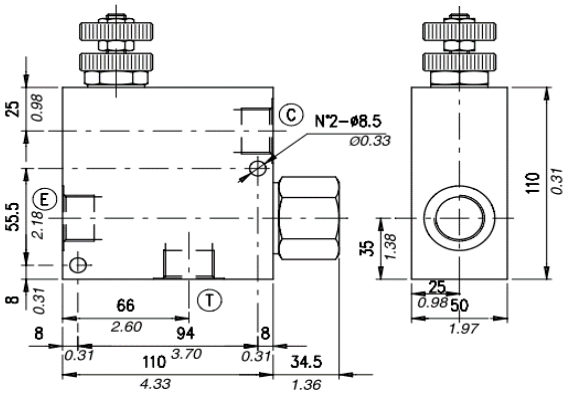
| VPR/3/ET VALVE DE PRIORITÉ / PRIORITY VALVE

DIMENSIONS - VPR/3/ET38 (12)



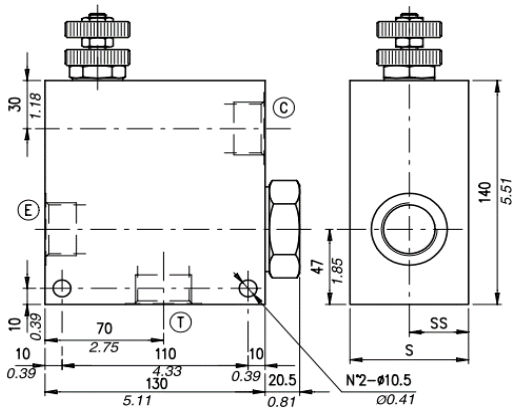
VPR/3/ET	Filets / Threads		
	E	T	C
38	SAE 8	SAE 8	SAE 8
12	SAE 10	SAE 10	SAE 10

VPR/3/ET34



VPR/3/ET	Filets / Threads		
	E	T	C
34	SAE 12	SAE 12	SAE 12

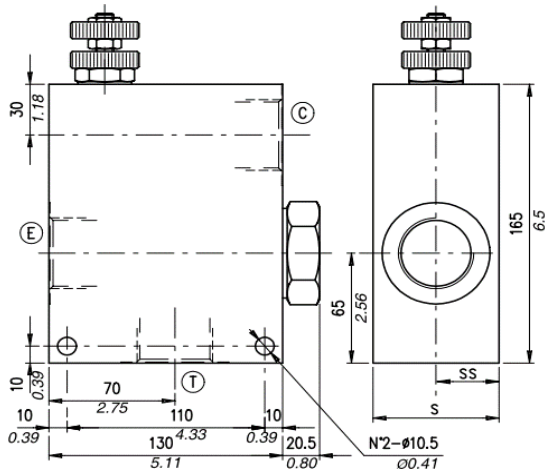
VPR/3/ET100



Type	Dimensions (mm/in)				
	E	T	C	S	SS
VPR/3/ET100	SAE 16	SAE 16	SAE 16	70/2.75	35/1.38
VPR/3/ET100/AC				65/2.56	32.5/1.28

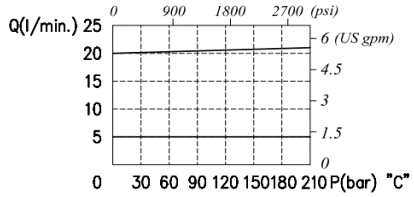
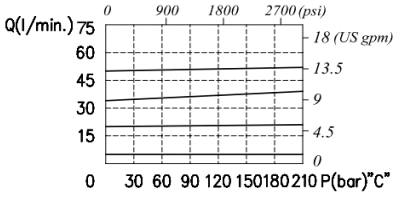
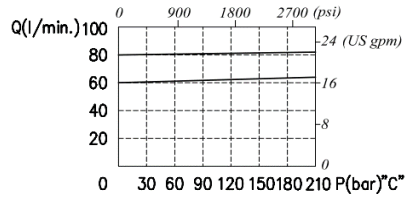
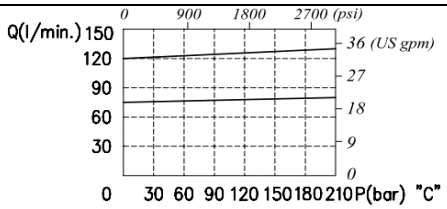
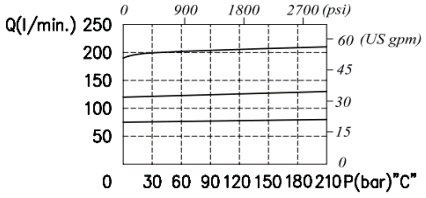
| VPR/3/ET VALVE DE PRIORITÉ / PRIORITY VALVE

VPR/3/ET114



Type	Dimensions (mm/in)				
	E	T	C	S	SS
VPR/3/ET114	SAE 20	SAE 20	SAE 20	70/2.75	35/1.38
VPR/3/ET114/AC				65/2.56	32.5/1.28

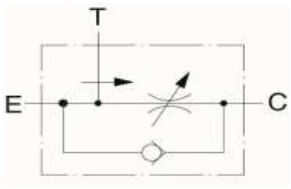
COURBES DE PERFORMANCES - PERFORMANCE CURVES

VPR/3/ET	Compensation de pression E-->C Pressure compensation E-->C	Compensation de pression E-->C Pressure compensation E-->C
38-12		
34		
100		
114		

| VPR/3/ET/RL VALVE DE PRIORITÉ / PRIORITY VALVE

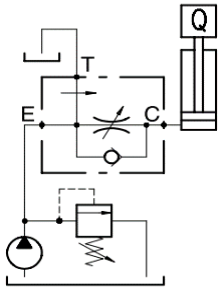
VPR/3/ET/RL

Schéma hydraulique
Hydraulic circuit



Régulateur de débit à pression compensée avec retour libre
Flow control pressure compensated with free flow

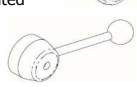
Application



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

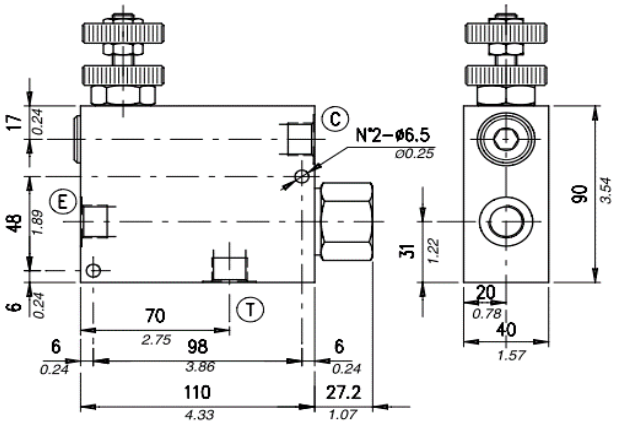
Type	Débit Nominal Flow	Pression Pressure Max.	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/3/ET/RL38	E=50 (13) C=30 (7.9)	210 (3050)	1.30 (2.86)
VPR/3/ET/RL38/AC		350 (5100)	2.86 (6.30)
VPR/3/ET/RL12	E=90 (24) C=50 (13)	210 (3050)	1.25 (2.75)
VPR/3/ET/RL12/AC		350 (5100)	2.72 (6.00)
VPR/3/ET/RL34	E=150 (40) C=90 (24)	210 (3050)	2.75 (6.06)
VPR/3/ET/RL34/AC		350 (5100)	5.95 (13.12)

NOMENCLATURE / ORDERING CODE

VPR/3/ET/RL	12	/V	/SAE	/AC
Type	Grosseur Size	Ajustement Adjustement	Filets Threads	Matériel Material
VPR/3/ET/RL	38	**V** Poignée Handknob 	SAE	**Rien** **Omit** Aluminium **AC** Acier Steel
	12	**MG** Poignée calibrée Handknob calibrated 		
	34	**L** Levier Lever 		

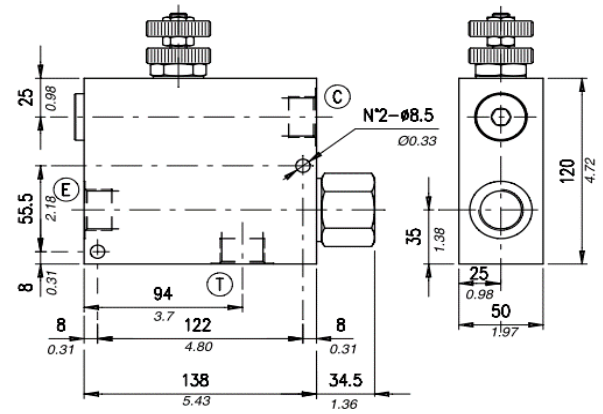
| VPR/3/ET/RL VALVE DE PRIORITÉ / PRIORITY VALVE

DIMENSIONS - VPR/3/ET/RL38 (12)



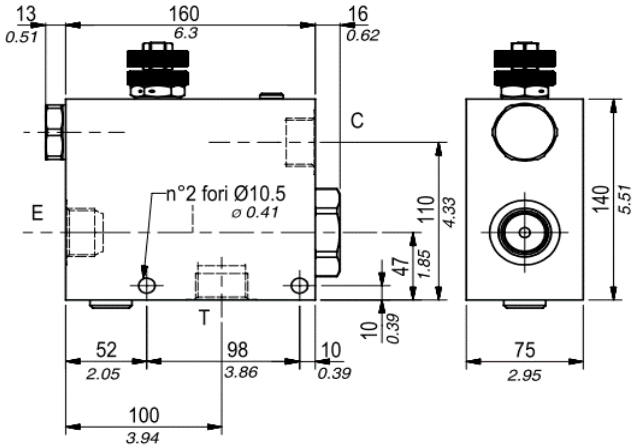
VPR/3/ET/RL	Filets / Threads		
	E	T	C
38	SAE 8	SAE 8	SAE 8
12	SAE 10	SAE 10	SAE 10

VPR/3/ET/RL34



VPR/3/ET/RL	Filets / Threads		
	E	T	C
34	SAE 12	SAE 12	SAE 12

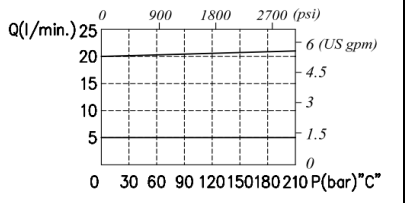
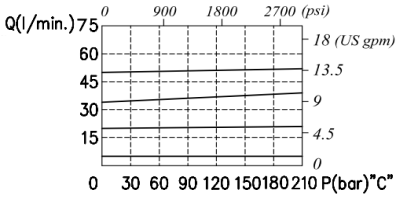
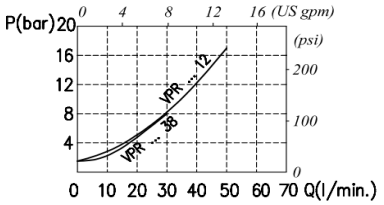
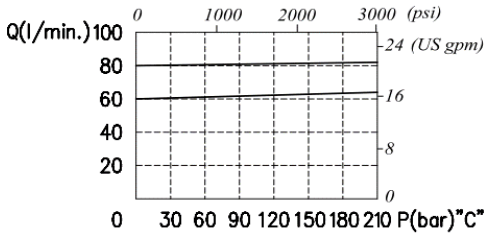
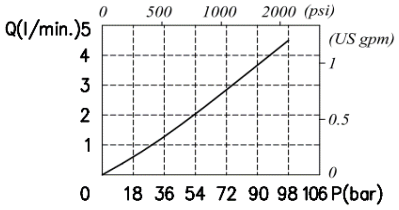
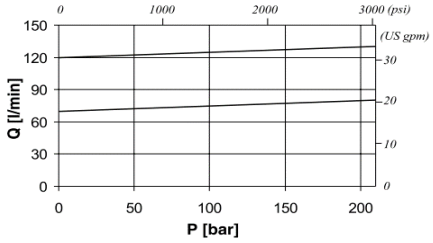
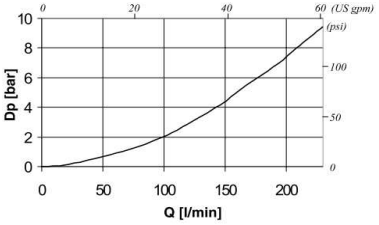
VPR/3/ET/RL100



VPR/3/ET/RL	Filets / Threads		
	E	T	C
100	SAE 16	SAE 16	SAE 16

| VPR/3/ET/RL VALVE DE PRIORITÉ / PRIORITY VALVE

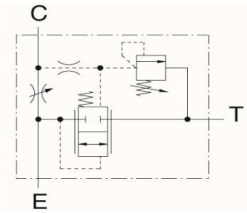
COURBES DE PERFORMANCES - PERFORMANCE CURVES

VPR/3/ET/ RL	Compensation de pression E-->C Pressure compensation E-->C		Perte de charge C-->E Pressure drop C-->E
38-12			
34			
100			

| VPR/3/ET/VMP VALVE DE PRIORITÉ / PRIORITY VALVE

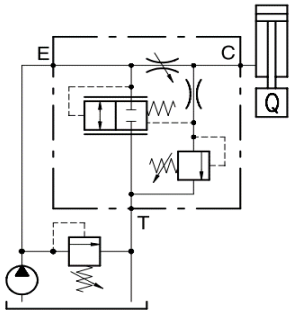
VPR/3/ET/VMP

Schéma hydraulique
Hydraulic circuit



Régulateur de débit à pression compensée avec limiteur de pression
Flow control pressure compensated with relief valve

Application



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

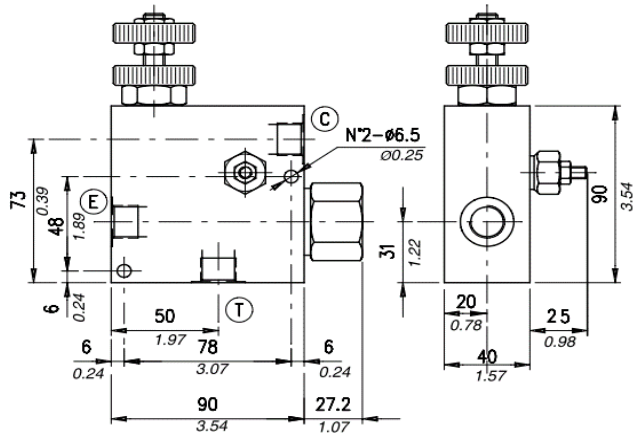
Type	Débit nominal Nominal flow	Pression maximale Maximum presure	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/3/ET/VMP38	E=50 (13) C=30 (7.9)	210 (3050)	1.10 (2.42)
VPR/3/ET/VMP38/AC		350 (5100)	2.31 (5.09)
VPR/3/ET/VMP12	E=90 (24) C=50 (13)	210 (3050)	1.20 (2.64)
VPR/3/ET/VMP12/AC		350 (5100)	2.42 (5.33)
VPR/3/ET/VMP34	E=150 (40) C=90 (24)	210 (3050)	2.10 (4.62)
VPR/3/ET/VMP34/AC		350 (5100)	4.37 (9.63)
VPR/3/ET/VMP100	E=240 (63) C=63 (40)	210 (3050)	4.10 (9.04)
VPR/3/ET/VMP100/AC		350 (5100)	8.25 (18.19)
VPR/3/ET/VMP114	E=350 (92) C=250 (66)	210 (3050)	9.45 (20.83)
VPR/3/ET/VMP114/AC		350 (5100)	23.64 (52.11)

NOMENCLATURE / ORDERING CODE

VPR/3/ET/VMP	12	/V	/02	.TS	/SAE	/AC
Type	Grosseur Size	Ajustement Adjustement	Limiteur Relief	Réglages de pression Pressure settings	Filets Threads	Matériel Material
VPR/3/ET/VMP	**38**	**V** Poignée Handknob	**02** VMP02	**TV (TB)** 0-80 bar ; 0-1150 psi	**SAE**	**Rien** **Omit** Aluminium
	12	**MG** Poignée calibrée Handknob calibrated	**03** VMP03	**TS** 50-220 bar ; 725-3200 psi		**AC** Acier Steel
	34	**L** Levier Lever		**TR** 180-350 bar ; 2600-5100 psi		
	100					
	114					

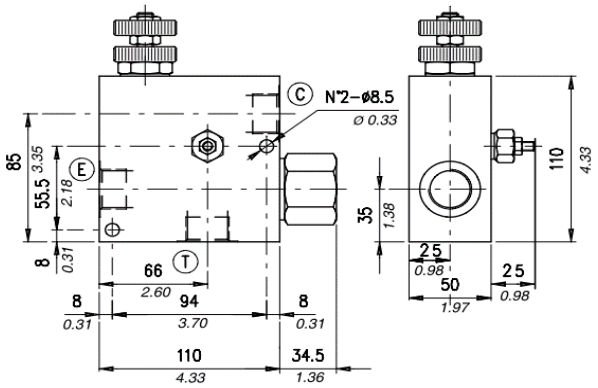
| VPR/3/ET/VMP VALVE DE PRIORITÉ / PRIORITY VALVE

DIMENSIONS - VPR/3/ET/VMP38 (12)



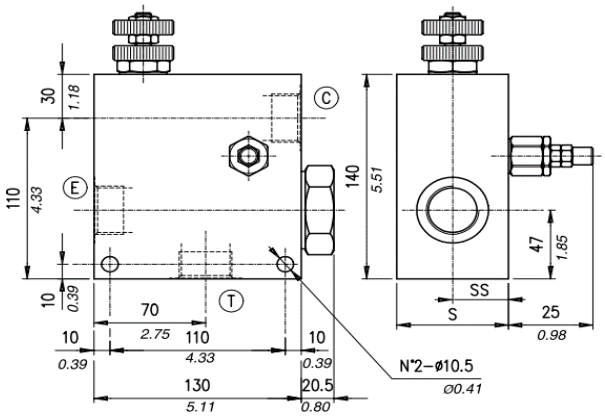
VPR/3/ET/VMP	Filets / Threads		
	E	T	C
38	SAE 8	SAE 8	SAE 8
12	SAE 10	SAE 10	SAE 10

VPR/3/ET/VMP34



VPR/3/ET/VMP	Filets / Threads		
	E	T	C
34	SAE 12	SAE 12	SAE 12

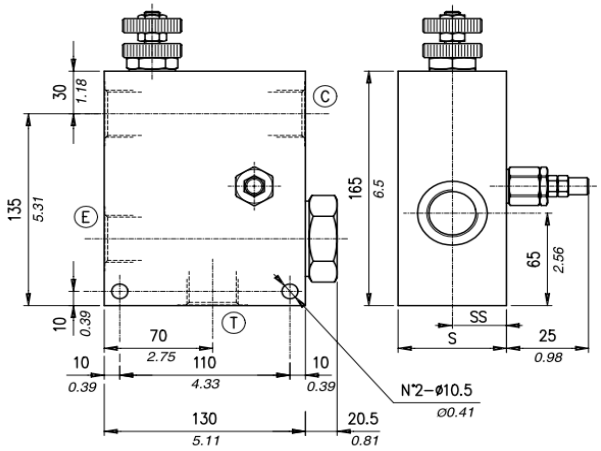
VPR/3/ET/VMP100



Type	Dimensions (mm/in)				
	E	T	C	S	SS
VPR/3/ET/VMP100	SAE 16	SAE 16	SAE 16	70/2.75	35/1.38
VPR/3/ET/VMP100/AC				65/2.56	32.5/1.28

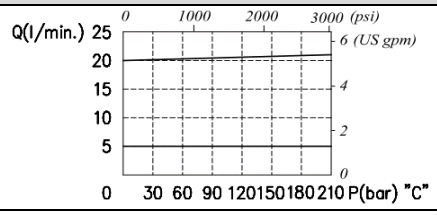
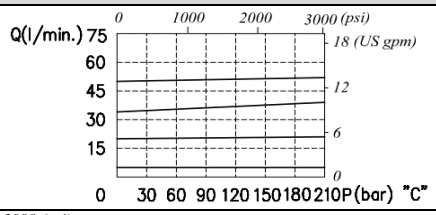
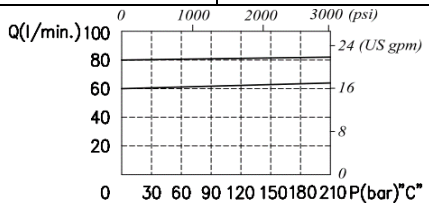
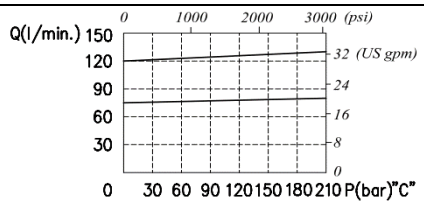
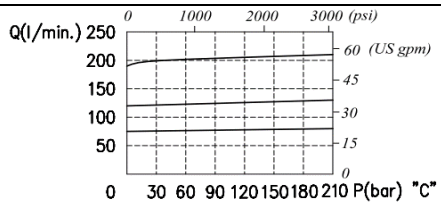
| VPR/3/ET/VMP VALVE DE PRIORITÉ / PRIORITY VALVE

VPR/3/ET/VMP114



Type	Dimensions (mm/in)				
	E	T	C	S	SS
VPR/3/ET/VMP114	SAE 20	SAE 20	SAE 20	70/2.75	35/1.38
VPR/3/ET/VMP114/AC				65/2.56	32.5/1.28

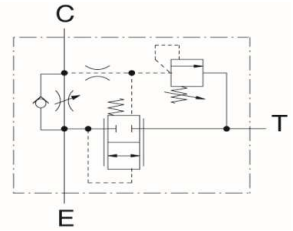
COURBES DE PERFORMANCES - PERFORMANCE CURVES

VPR/3/ET VMP	Compensation de pression E-->C Pressure compensation E-->C	Compensation de pression E-->C Pressure compensation E-->C
38-12		
34		
100		
114		

| VPR/3/ET/RL/VMP VALVE PRIORITÉ / PRIORITY VALVE

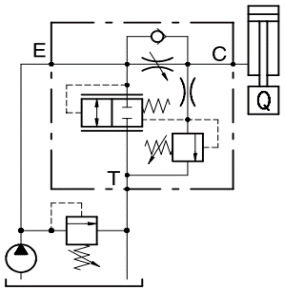
VPR/3/ET/RL/VMP

Schéma hydraulique
Hydraulic circuit



Régulateur à pression compensée avec limiteur de pression et retour libre
Flow control pressure compensated with relief valve and free flow

Application



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

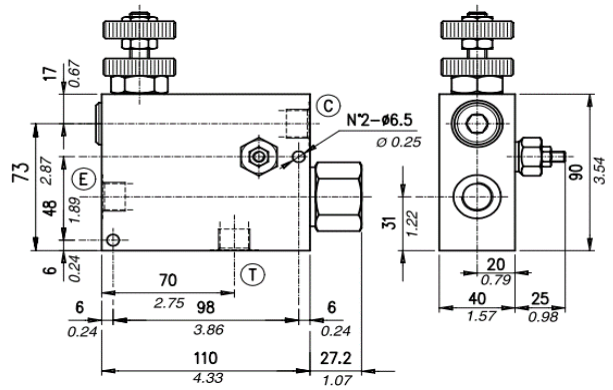
Type	Débit Nominal Flow	Pression Pressure Max.	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/3/ET/RL/VMP38	E=50 (13) C=30 (7.9)	210 (3050)	1.30 (2.87)
VPR/3/ET/RL/VMP38/AC		350 (5100)	2.78 (6.13)
VPR/3/ET/RL/VMP12	E = 90 (24) C=50 (13)	210 (3050)	1.25 (2.75)
VPR/3/ET/RL/VMP12/AC		350 (5100)	2.68 (5.90)
VPR/3/ET/RL/VMP34	E=150 (40) C=90 (24)	210 (3050)	2.83 (6.24)
VPR/3/ET/RL/VMP34/AC		350 (5100)	6.00 (13.22)

NOMENCLATURE / ORDERING CODE

VPR/3/ET/RL/VMP	12	/V	/02	.TS	/SAE	/AC
Type	Grosseur Size	Ajustement Adjustement	Limiteur Relief	Réglages de pression Pressure settings	Filets Threads	Matériel Material
VPR/3/ET/RL/VMP	38	**V** Poignée Handknob	**02** (VMP02)	**TV (TB)** 0-80 bar ; 0-1150 psi	SAE	**Rien** **Omit** Aluminium
	12	**MG** Poignée calibrée Handknob calibrated	**03** (VMP03)	**TS** 50-220 bar ; 725-3200 psi		**AC** Acier Steel
	34	**L** Levier Lever		**TR** 180-350 bar ; 2600-5100 psi		

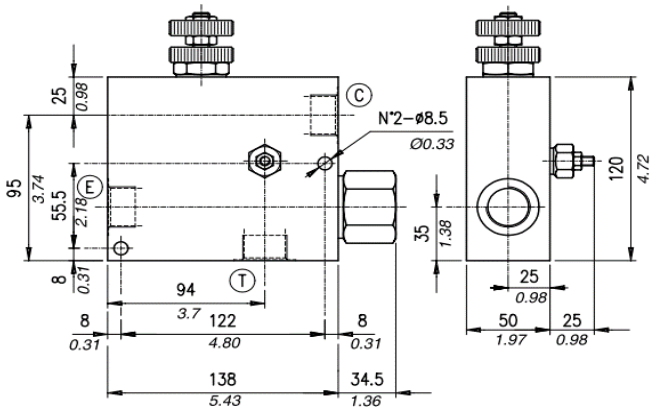
| VPR/3/ET/RL/VMP VALVE PRIORITÉ / PRIORITY VALVE

DIMENSIONS - VPR/3/ET/RL/VMP38 (12)



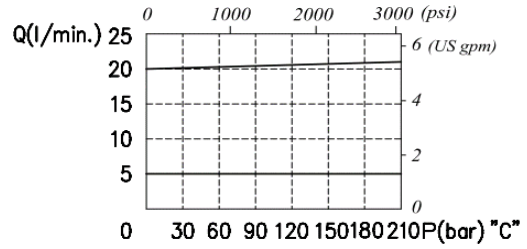
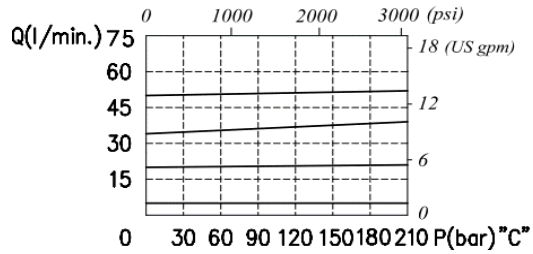
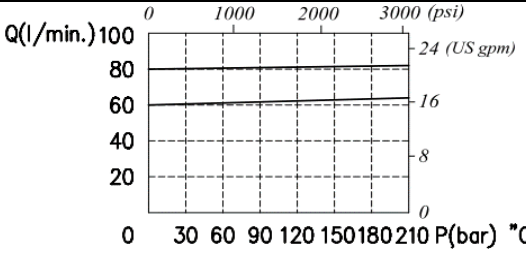
VPR/3/ET/RL/VMP	Filets / Threads		
	E	T	C
38	SAE 8	SAE 8	SAE 8
12	SAE 10	SAE 10	SAE 10

VPR/3/ET/RL/VMP34



VPR/3/ET/RL/VMP	Filets / Threads		
	E	T	C
34	SAE 12	SAE 12	SAE 12

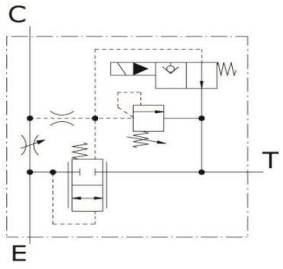
COURBES DE PERFORMANCES - PERFORMANCE CURVES

VPR/3/ET RL/VMP	Compensation de pression E-->C Pressure compensation E-->C	Compensation de pression E-->C Pressure compensation E-->C
38-12		
34		

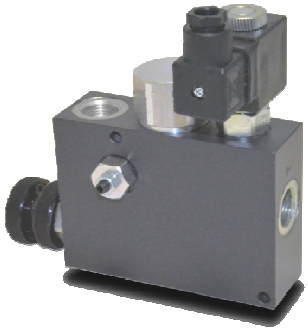
| VPR/3/ET/VMP+VE VALVE PRIORITÉ / PRIORITY VALVE

VPR/3/ET/VMP+VE

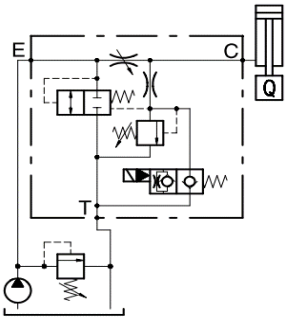
Schéma hydraulique
Hydraulic circuit



Régulateur à pression compensée avec limiteur de pression électrique
Flow control pressure compensated with relief valve, electric venting



Application



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

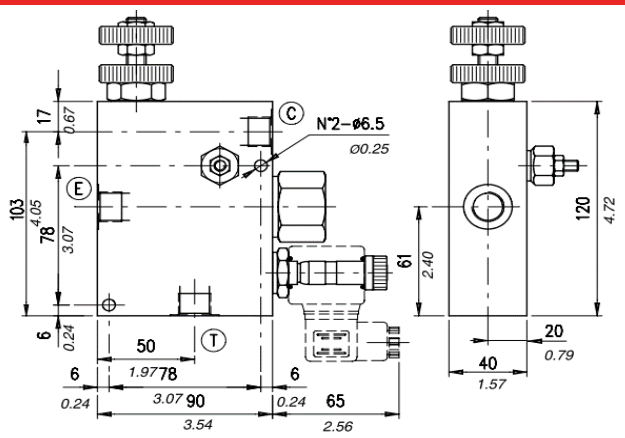
Type	Débit Nominal Flow	Pression Pressure Max.	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/3/ET/VMP38+VE	E=50 (13) C=30 (7.9)	210 (3050)	1.45 (3.19)
VPR/3/ET/VMP38+VE/AC		350 (5100)	3.08 (6.79)
VPR/3/ET/VMP12+VE	E=90 (24) C=50 (13)	210 (3050)	1.45 (3.19)
VPR/3/ET/VMP12+VE/AC		350 (5100)	3.08 (6.79)
VPR/3/ET/VMP34+VE	E=150 (40) C=90 (24)	210 (3050)	2.61 (5.75)
VPR/3/ET/VMP34+VE/AC		350 (5100)	5.54 (12.21)
VPR/3/ET/VMP100+VE	E=240 (63) C=150 (40)	210 (3050)	5.70 (12.56)
VPR/3/ET/VMP100+VE/AC		350 (5100)	12.21 (26.92)

NOMENCLATURE / ORDERING CODE

VPR/3/ET/VMP	12	+VE	/NA	/V	/02	.TS	/SAE	/AC
Type	Grosseur Size	Modèle Mode;	Système Scheme	Ajustement Adjustement		Réglages de pression Pressure settings	Filets Threads	Matériel Material
VPR/3/ET/VMP	**38**	**VE**	**NA** Ouvert Opened **NC** Fermé Closed	**V** Poignée Handknob **MG** Poignée calibrée Handknob calibrated **L** Levier Lever	**02** VMP02 **03** VMP03	**TV (TB)** 0-80 bar ; 0-1150 psi **TS** 50-220 bar ; 725-3200 psi **TR** 180-350 bar ; 2600-5100 psi	**SAE**	**Rien Omit** Aluminium **AC** Acier Steel
	12							
	34							
	100							

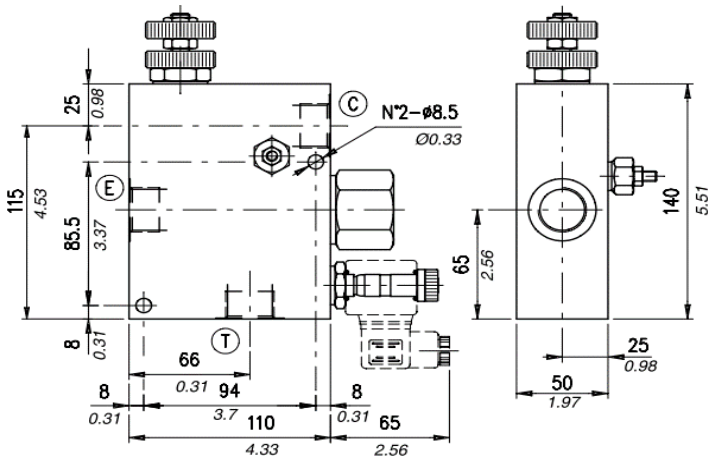
| VPR/3/ET/VMP+VE VALVE PRIORITÉ / PRIORITY VALVE

DIMENSIONS - VPR/3/ET/VMP38 (12)+VE



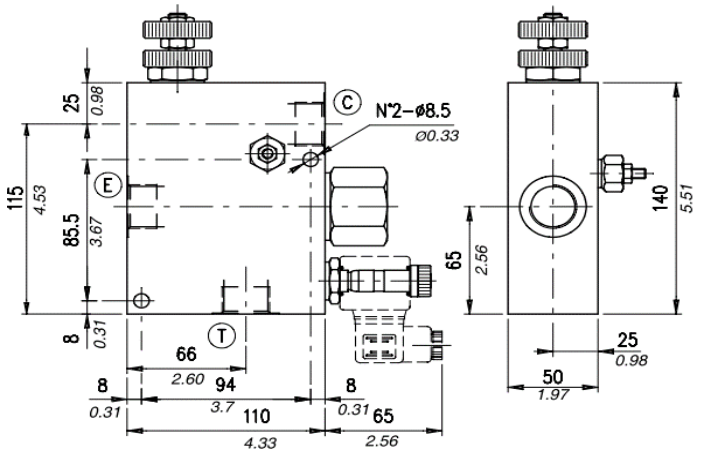
VPR/3/ET/VMP*+VE	Filets / Threads		
	E	T	C
38	SAE 8	SAE 8	SAE 8
12	SAE 10	SAE 10	SAE 10

VPR/3/ET/VMP34+VE



VPR/3/ET/VMP*+VE	Filets / Threads		
	E	T	C
34	SAE 12	SAE 12	SAE 12

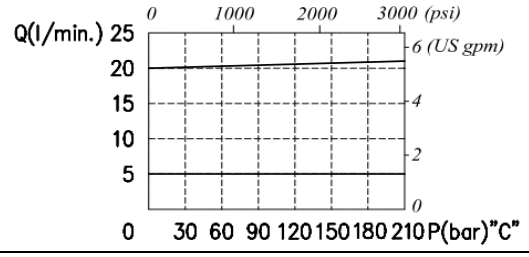
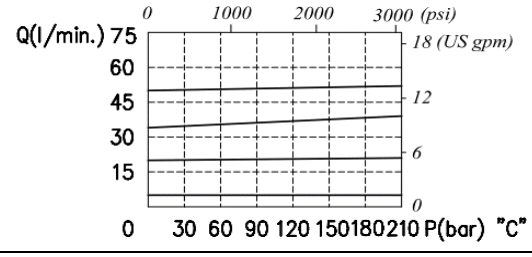
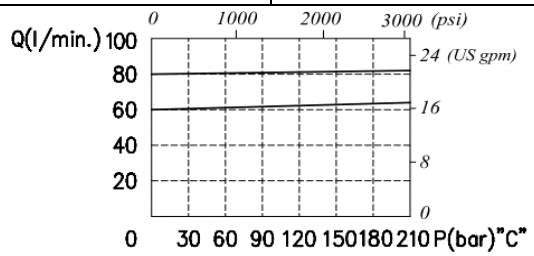
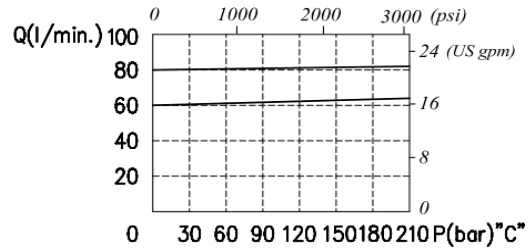
VPR/3/ET/VMP100+VE



VPR/3/ET/VMP*+VE	Filets / Threads		
	E	T	C
100	SAE 16	SAE 16	SAE 16

| VPR/3/ET/VMP+VE VALVE PRIORITÉ / PRIORITY VALVE

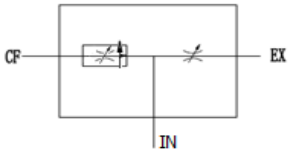
COURBES DE PERFORMANCES - PERFORMANCE CURVES

VPR/3/ET VMP+VE	Compensation de pression E-->C Pressure compensation E-->C	Compensation de pression E-->C Pressure compensation E-->C
38-12		
34		
100		

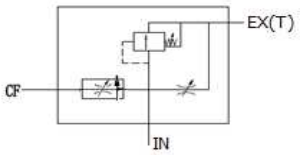
| VFCR VALVE DE PRIORITÉ / PRIORITY VALVE

VFCR

Schéma hydraulique
Hydraulic circuit



Avec/With VMP



Régulateur de débit à pression compensée
Flow control pressure compensated

CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

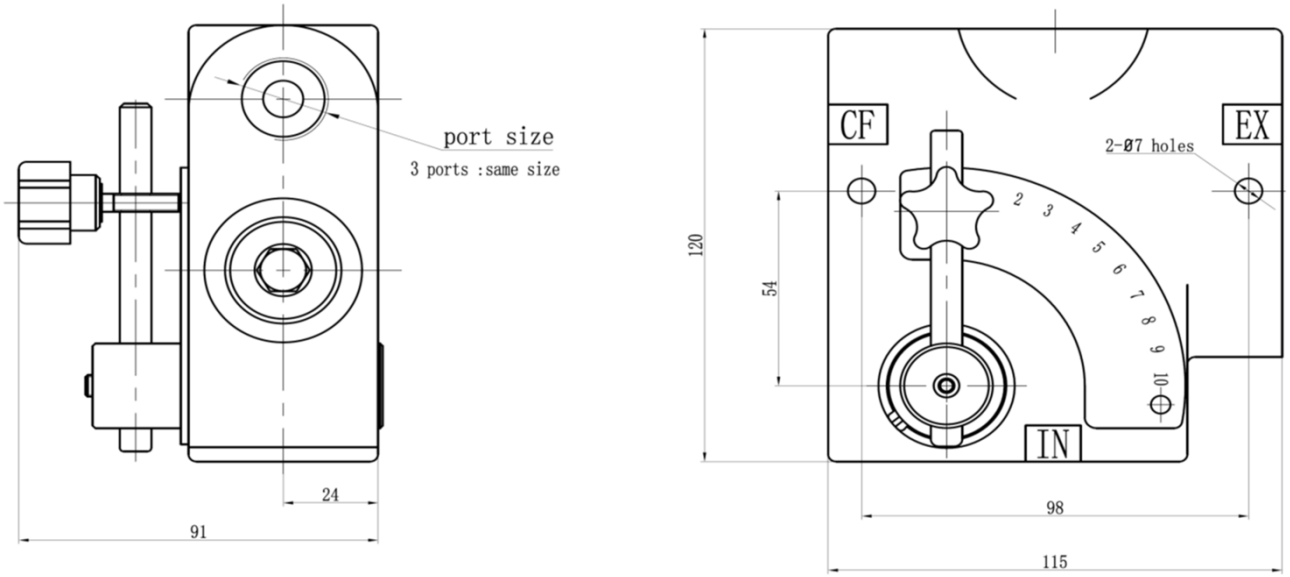
Position	Débit/Flow (gpm/lpm) @ 725 psi		
	VFCR 38	VFCR 12	VFCR 34
0	0	0	0
2	0	0.2 / 0.8	0
4	3.0 / 11.4	3.1 / 11.7	4.0 / 15.1
6	5.4 / 20.4	8.0 / 30.3	15.5 / 58.7
8	6.9 / 26.1	11.9 / 45.0	24.0 / 90.9
10	7.1 / 26.9	13.5 / 51.1	28.0 / 106.0

NOMENCLATURE / ORDERING CODE

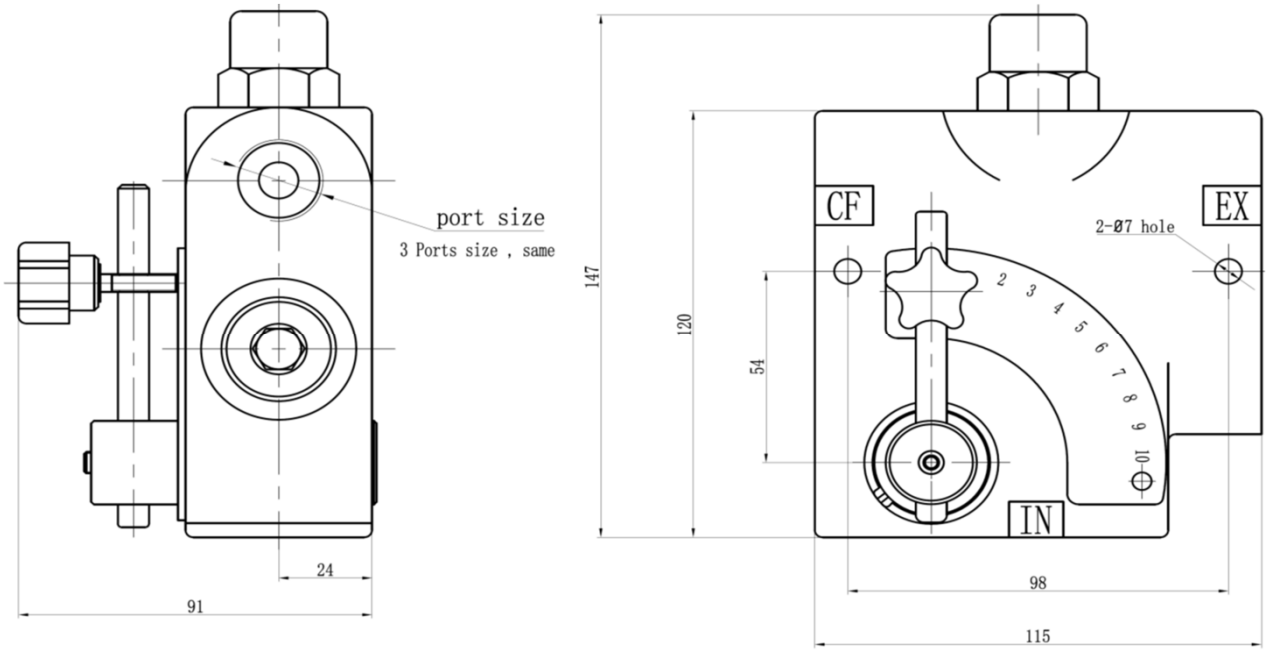
VFCR	/ 3	/ EP	12	/ VMP(100)	/ ND
Série **Series**	**Nombre de voies** **Number of ways**	**Modèle** **Model**	**Plage de débit** **Flow range**	**Limiteur de pression** **Relief valve**	**Filets (IN-CF-EX)** **Threads (IN-CF-EX)**
VFCR	**3**	**EP** Débit EX pressurisable EX flow pressurisable	**38** 0-8 gpm / 0-30 lpm	**Rien/Omit** Sans limiteur Without relief **VMP(100)** Préréglé 1500 psi/100 bar Preset 1500 psi/100 bar	**OA** (SAE6)
			12 0-16 gpm / 0-60 lpm		**OB** (SAE8)
					OC (SAE10)
					OD (SAE12)
					NC (NPT ⅜)
			34 0-30 gpm / 0-115 lpm		**ND** (NPT ½)
					NE (NPT ¾)

DIMENSIONS

VFCR/3/EP



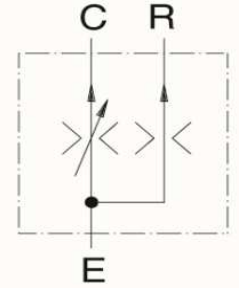
VFCR/3/EP/VMP



| VPR/3/EP VALVE DE PRIORITÉ / PRIORITY VALVE

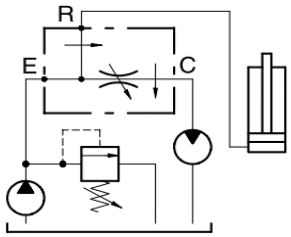
VPR/3/EP

Schéma hydraulique
Hydraulic circuit



Régulateur de débit à pression compensée
Flow control pressure compensated

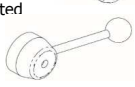
Application



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

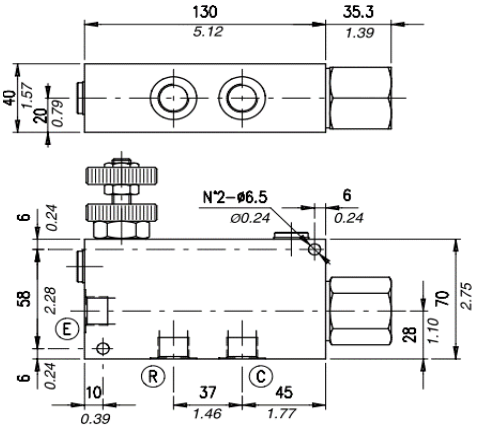
Type	Débit Nominal Flow	Pression Pressure Max.	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/3/EP38	E=50 (13) C=30 (7.9)	210 (3050)	1.25 (2.75)
VPR/3/EP38/AC		350 (5100)	2.85 (6.28)
VPR/3/EP12	E=90 (24) C=50 (13)	210 (3050)	1.35 (2.98)
VPR/3/EP12/AC		350 (5100)	2.80 (6.17)
VPR/3/EP34	E=150 (40) C=90 (24)	210 (3050)	2.46 (5.42)
VPR/3/EP34/AC		350 (5100)	4.95 (10.91)
VPR/3/EP100	E=240 (63) C=150 (40)	210 (3050)	5.15 (11.35)
VPR/3/EP100/AC		350 (5100)	9.45 (20.83)
VPR/3/EP114	E=450 (250) C=119 (66)	210 (3050)	7.45 (16.42)
VPR/3/EP114/AC		350 (5100)	15.80 (34.83)

NOMENCLATURE / ORDERING CODE

VPR/3/EP	12	/V	/SAE	/AC
Type	Grosseur Size	Ajustement Adjustement	Filets Threads	Matériel Material
VPR/3/EP	38	**V** Poignée Handknob 	SAE	**Rien** **Omit** Aluminium **AC** Acier Steel
	12			
	34	**MG** Poignée calibrée Handknob calibrated 		
	100	**L** Levier Lever 		
	114			

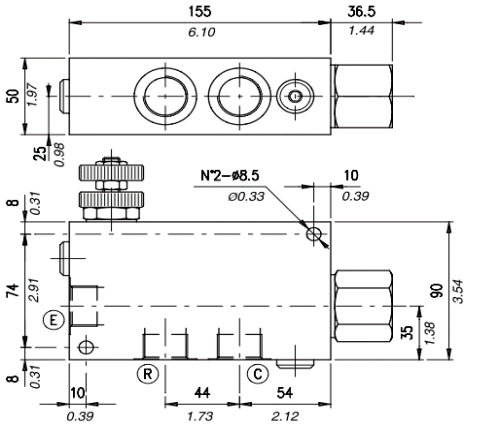
| VPR/3/EP VALVE DE PRIORITÉ / PRIORITY VALVE

DIMENSIONS - VPR/3/EP38 (12)



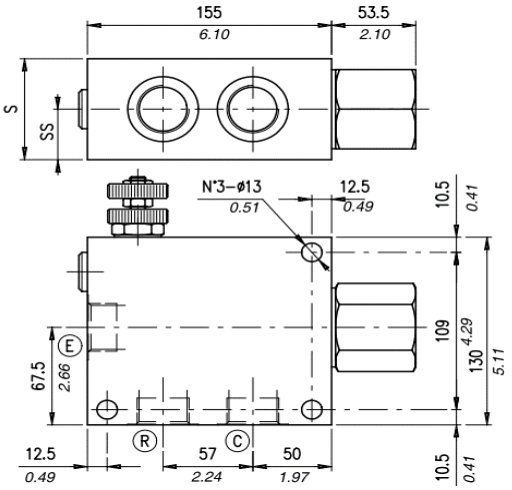
VPR/3/EP	Filets / Threads		
	E	R	U
38	SAE 8	SAE 8	SAE 8
12	SAE 10	SAE 10	SAE 10

VPR/3/EP34



VPR/3/EP	Filets / Threads		
	E	R	U
34	SAE 12	SAE 12	SAE 12

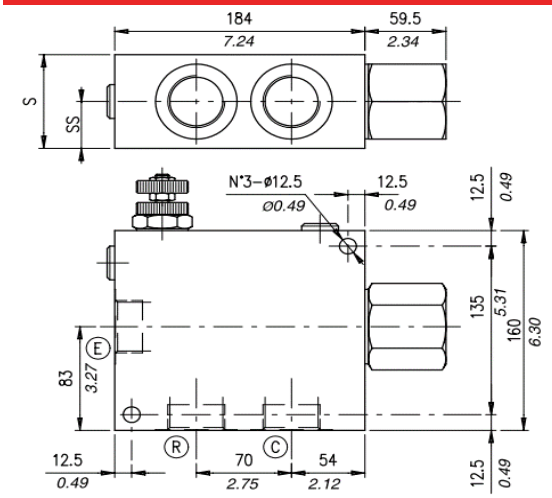
VPR/3/EP100



Type	Dimensions (mm/in)				
	E	R	C	S	SS
VPR/3/EP100	SAE 16	SAE 16	SAE 16	70/2.75	35/1.38
VPR/3/EP100/AC				65/2.56	32.5/1.28

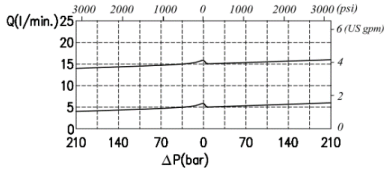
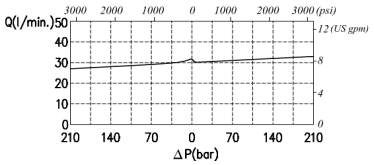
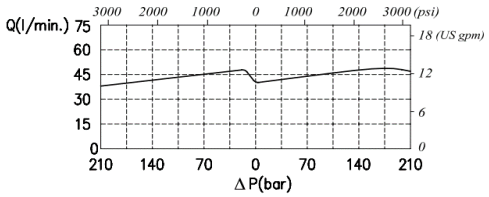
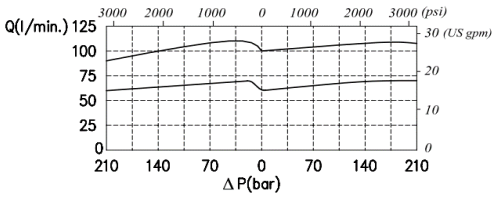
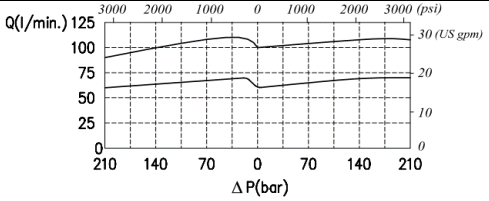
| VPR/3/EP VALVE DE PRIORITÉ / PRIORITY VALVE

VPR/3/EP114



Type	Dimensions (mm/in)				
	E	R	C	S	SS
VPR/3/EP114	SAE 20	SAE 20	SAE 20	70/2.75	35/1.38
VPR/3/EP114/AC				65/2.56	32.5/1.28

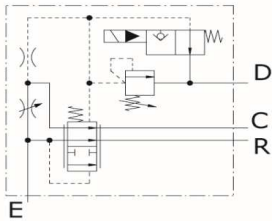
COURBES DE PERFORMANCES - PERFORMANCE CURVES

VPR/3/EP	Diagramme de compensation dans C en changeant le Δp entre E et R Compensation diagram in C changing the Δp between E and R	Diagramme de compensation dans C en changeant le Δp entre E et R Compensation diagram in C changing the Δp between E and R
38-12		
34		
100		
114		

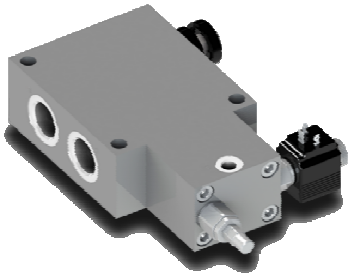
| VPR/3/EP/VMP+VE VALVE PRIORITÉ / PRIORITY VALVE

VPR/3/EP/VMP+VE

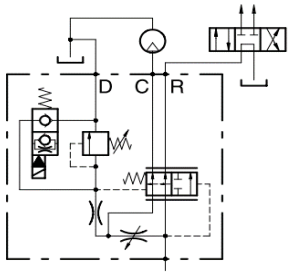
Schéma hydraulique
Hydraulic circuit



Régulateur à pression compensée avec limiteur de pression électrique
Flow control pressure compensated with relief valve, electric venting



Application



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

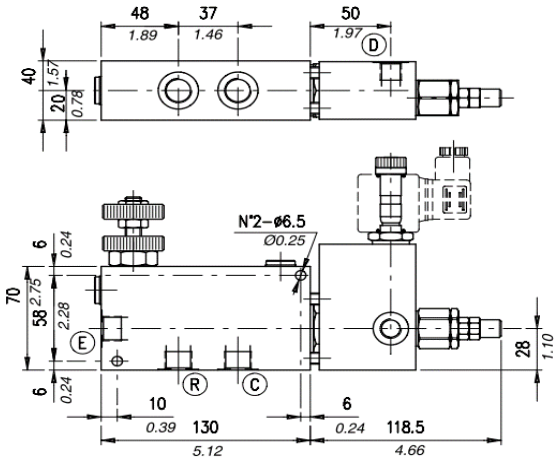
Type	Débit nominal Nominal flow	Pression Pressure Max.	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/3/EP38/VMP+VE	E=50 (13) C=30 (7.9)	210 (3050)	2.10 (4.63)
VPR/3/EP38/VMP+VE/AC		350 (5100)	4.05 (8.05)
VPR/3/EP12/VMP+VE	E=90 (24) C=50 (13)	210 (3050)	2.10 (4.63)
VPR/3/EP12/VMP+VE/AC		350 (5100)	4.05 (8.05)
VPR/3/EP34/VMP+VE	E=150 (40) C=90 (24)	210 (3050)	3.63 (8.00)
VPR/3/EP34/VMP+VE/AC		350 (5100)	7.00 (15.43)
VPR/3/EP100/VMP+VE	E=240 (63) C=150 (40)	210 (3050)	5.60 (12.34)
VPR/3/EP100/VMP+VE/AC		350 (5100)	11.15 (24.58)
VPR/3/EP114/VMP+VE	E=450 (250) C=119 (66)	210 (3050)	8.15 (17.97)
VPR/3/EP114/VMP+VE/AC		350 (5100)	18.00 (39.68)

NOMENCLATURE / ORDERING CODE

VPR/3/EP	12	/VMP	+VE	/NA	/V	/03	.TS	/SAE	/AC
Type	Grosseur Size	Décharge Relief		Système Scheme	Ajustement Adjustement		Réglages de pression Pressure settings	Filets Threads	Matériel Material
VPR/3/EP	**38** **12** **34** **100** **114**	**VMP**	**VE40** (EC08M)	**NA** Ouvert Opened **NC** Fermé Closed	**V** Poignée Handknob **MG** Poignée calibrée Handknob calibrated **L** Levier Lever	**02** VMP02 **03** VMP03	**TB** 0-50 bar ; 0-725 psi **TS** 50-220 bar ; 725-3200 psi **TR** 180-400 bar ; 2600-5800 psi	**SAE**	**Rien** **Omit** Aluminium **AC** Acier Steel

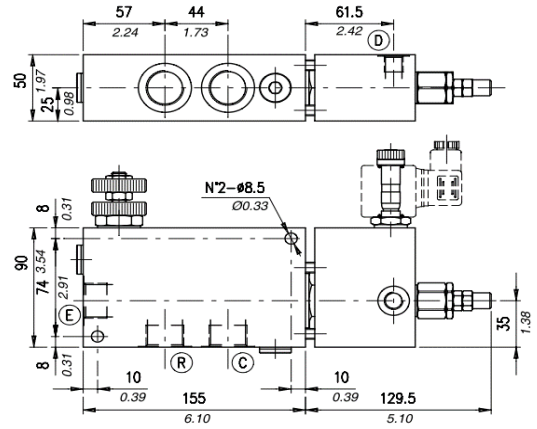
| VPR/3/EP/VMP+VE VALVE PRIORITÉ / PRIORITY VALVE

DIMENSIONS - VPR/3/EP/VMP38(12)+VE



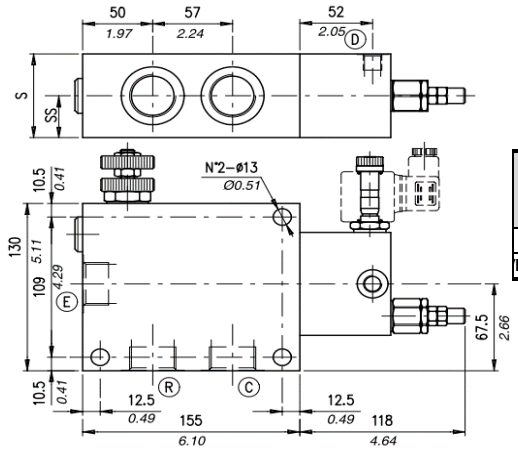
VPR/3/EP/VMP*+VE	Filets / Threads			
	E	R	C	D
38	SAE 8	SAE 8	SAE 8	SAE 6
12	SAE 10	SAE 10	SAE 10	SAE 6

VPR/3/EP/VMP34+VE



VPR/3/EP/VMP*+VE	Filets / Threads			
	E	R	C	D
34	SAE 12	SAE 12	SAE 12	SAE 6

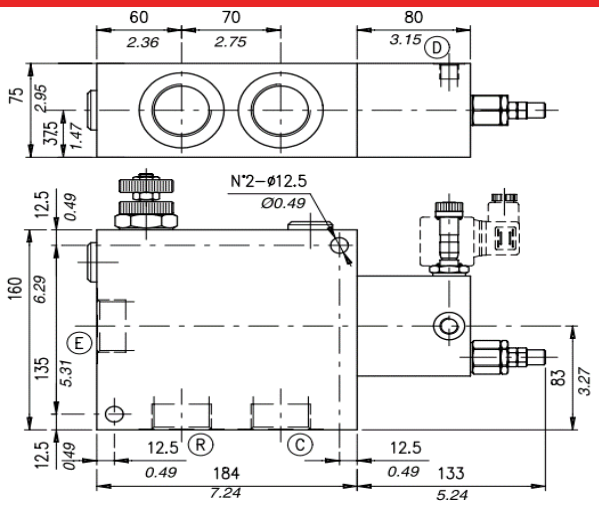
VPR/3/EP/VMP100+VE



Type	Dimensions (mm/in)					
	E	R	C	D	S	SS
VPR/3/EP/VMP100+VE	SAE 16	SAE 16	SAE 16	SAE 6	70/2.75	35/1.38
PR/3/EP/VMP100+VE/A					65/2.56	32.5/1.28

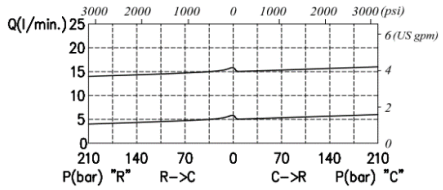
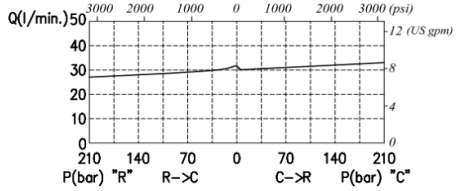
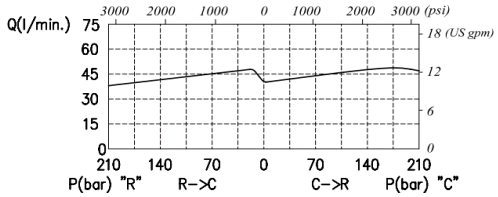
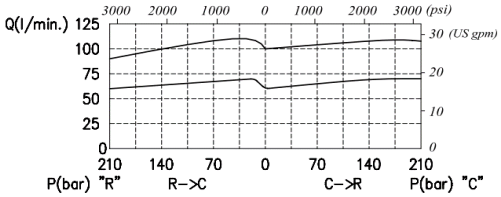
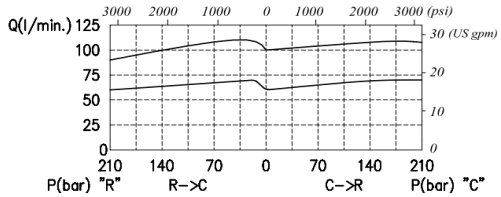
| VPR/3/EP/VMP+VE VALVE PRIORITÉ / PRIORITY VALVE

VPR/3/EP/VMP114+VE



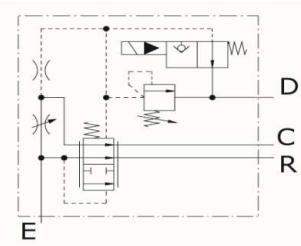
VPR/3/EP/VMP*+VE	Filets / Threads			
	E	R	C	D
114	SAE 20	SAE 20	SAE 20	SAE 6

COURBES DE PERFORMANCES - PERFORMANCE CURVES

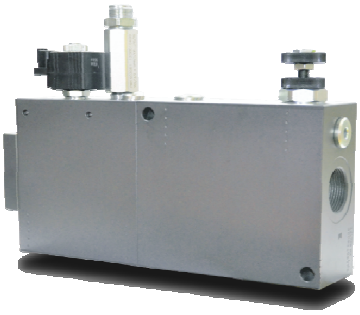
VPR/3/EP VMP+VE	Compensation de pression Pressure compensation	Compensation de pression Pressure compensation
38-12		
34		
100		
114		

VPR/3/EP/VMP+VE/LPD

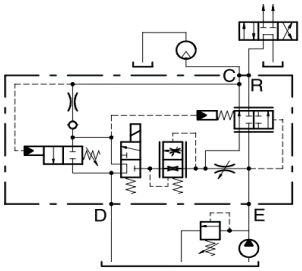
Schéma hydraulique
Hydraulic circuit



Régulateur à pression compensée avec limiteur de pression électrique
Flow control pressure compensated with relief valve, electric venting



Application



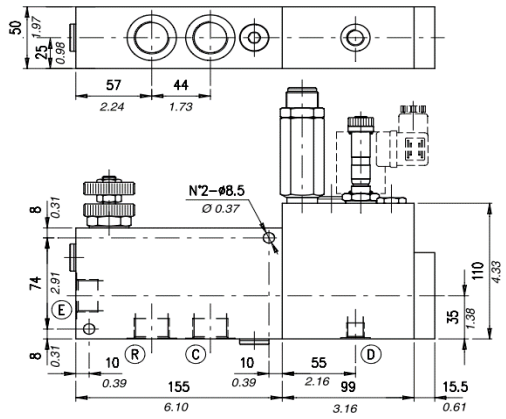
CARACTÉRISTIQUES TECHNIQUES -TECHNICAL CHARACTERISTICS

Type	Débit Nominal Flow	Pression Pressure Max.	Poids Weight
	lpm (gpm)	bar (psi)	kg (lb)
VPR/3/EP34/VMP+VE/LPD/AC	E=150 (40) C=90 (24)	350 (5100)	9.15 (20.17)
VPR/3/EP100/VMP+VE/LPD/AC	E=240 (63) C=150 (40)		19.00 (41.89)
VPR/3/EP114/VMP+VE/LPD/AC	E=450 (250) C=1199 (66)		28.00 (61.73)

NOMENCLATURE / ORDERING CODE

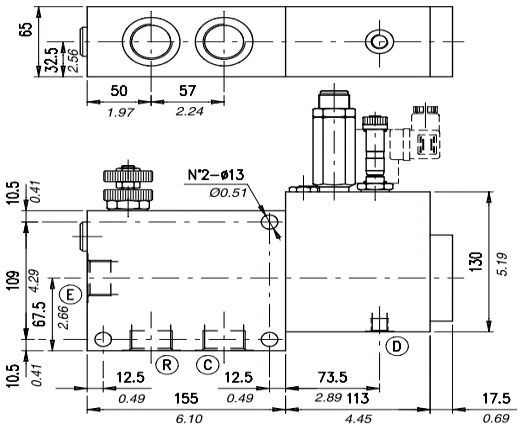
VPR/3/EP	12	/VMP	+VE(EJ08M)	/NA	/LPD	/V	VDS.TS	/SAE	/AC
Type	Grosseur Size	Décharge Relief	Cartouche électrique Solenoid valve	Système Scheme		Ajustement Adjustement	Réglages de pression Pressure settings	Filets Threads	Matériel Material
VPR/3/EP	38 12 34 100 114	VMP	VE(EJ08M)	**NA** Ouvert Opened **NC** Fermé Closed	LPD	**V** Poignée Handknob **MG** Poignée calibrée Handknob calibrated **L** Levier Lever	**TB** 0-50 bar ; 0-725 psi **TS** 50-220 bar ; 725-3200 psi **TR** 180-400 bar ; 2600-5800 psi	SAE	**Rien Omit** Aluminium **AC** Acier Steel

DIMENSIONS - VPR/3/EP34/VMP+VE/LPD



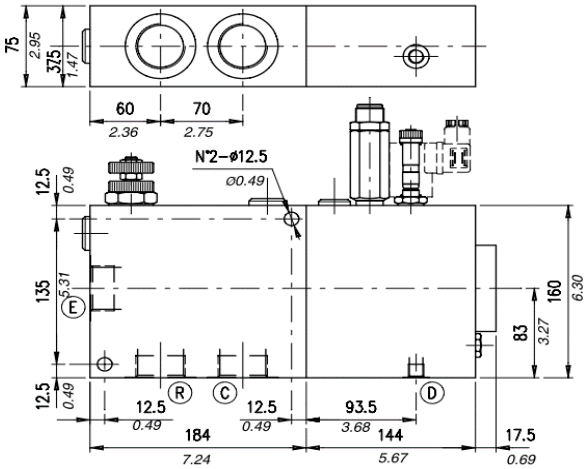
VPR/3/EP34/VMP	Filets / Threads		
	E-C	R	D
34	SAE 12	SAE 12	SAE 6

VPR/3/EP100/VMP+VE/LPD



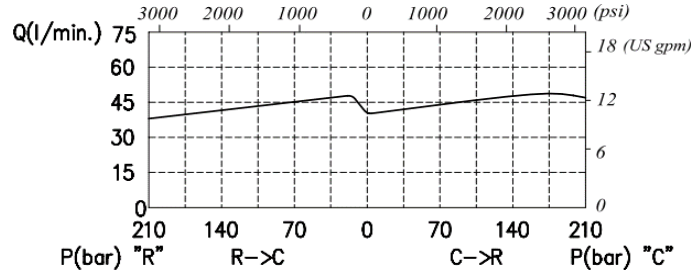
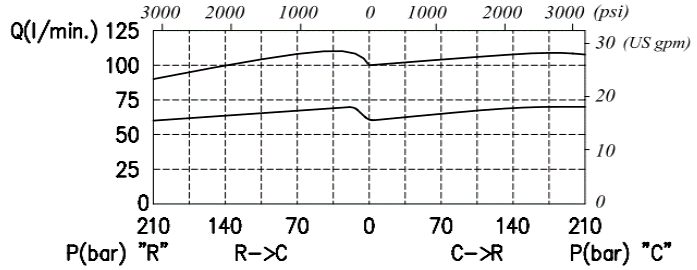
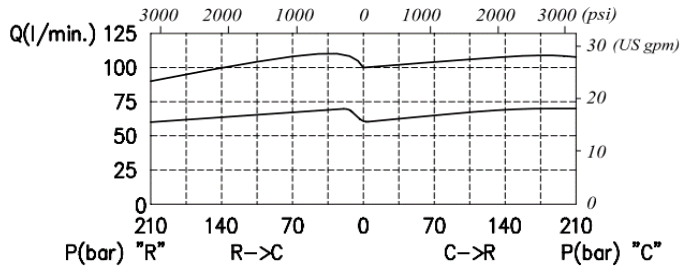
VPR/3/EP34/VMP	Filets / Threads		
	E-C	R	D
100	SAE 16	SAE 16	SAE 6

VPR/3/EP114/VMP+VE/LPD



VPR/3/EP34/VMP	Filets / Threads		
	E-C	R	D
114	SAE 20	SAE 20	SAE 6

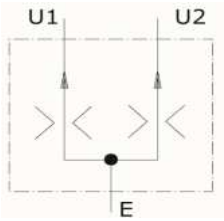
COURBES DE PERFORMANCES - PERFORMANCE CURVES

VPR...LPD	Compensation de pression Pressure compensation
34	
100	
114	

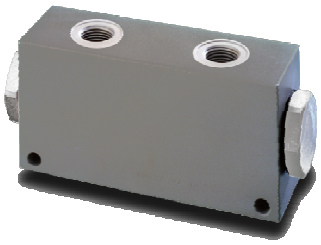
| VDFR DIVISEUR-COMBINEUR / DIVIDER-COMBINER

VDFR

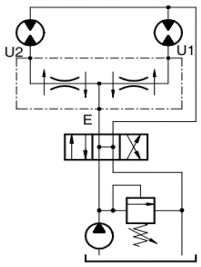
Schéma hydraulique
Hydraulic circuit



Diviseur et combineur de débit
Flow divider combiner



Application



CARACTÉRISTIQUES TECHNIQUES - TECHNICAL CHARACTERISTICS

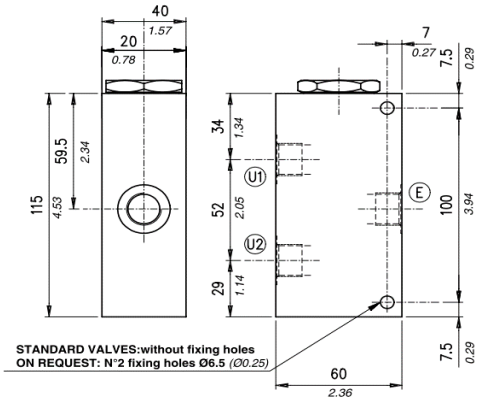
Type	Débit nominal Nominal flow Min-Max.	Pression maximale Maximum pressure Aluminium-Aluminum	Pression maximale Maximum pressure Acier-Steel	Poids Weight kg (lb)	
	lpm (gpm)	bar (psi)	bar (psi)	Aluminium-Aluminum	Acier- Steel
VDFR38-12	4-12 (1-3.1)	210 (3050)	350 (5100)	0.82 (1.81)	1.98 (4.37)
VDFR38-24	12-24 (3.2-6.3)	210 (3050)	350 (5100)	0.82 (1.81)	1.98 (4.37)
VDFR12-40	24-40 (6.3-10)	210 (3050)	350 (5100)	0.83 (1.83)	1.97 (4.34)
VDFR34-65	34-65 (9-17)	210 (3050)	350 (5100)	2.16 (4.76)	4.42 (9.74)
VDFR34-90	40-90 (11-24)	210 (3050)	350 (5100)	2.16 (4.76)	4.42 (9.74)
VDFR100-150	90-150 (24-40)	210 (3050)	350 (5100)	2.16 (4.76)	4.42 (9.74)
VDFR114-250	200-250 (53-66)	210 (3050)	350 (5100)		6.58 (14.51)

NOMENCLATURE / ORDERING CODE

VDFR	12-40	/SAE	/AC	/FF
Type	Grosseur Size	Filets Threads	Matériel Material	Trous de fixation Fixing holes
VDFR	**38-12** **38-24** **12-40** **34-65** **34-90** **100-150** **114-250**	SAE	**Rien** **Omit** Aluminium **AC** Acier Steel	**Rien** **Omit** **FF** Trous de fixation Fixing holes

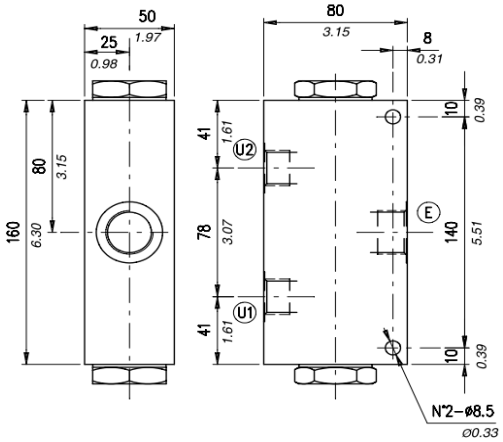
| VDFR DIVISEUR-COMBINEUR / DIVIDER-COMBINER

DIMENSIONS - VDFR38-VDFR12



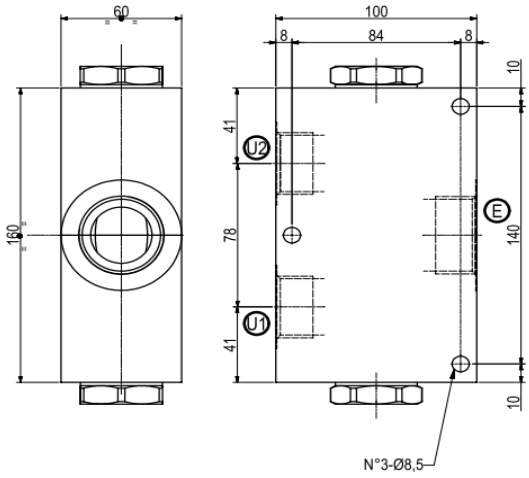
VFDR	Filets / Threads	
	E	U1-U2
38	SAE 8	SAE 8
12	SAE 10	SAE 8

VDFR34-VDFR100



VFDR	Filets / Threads	
	E	U1-U2
34	SAE 12	SAE 10
100	SAE 16	SAE 12

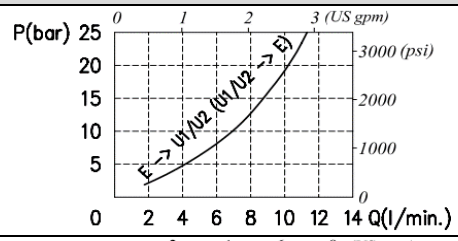
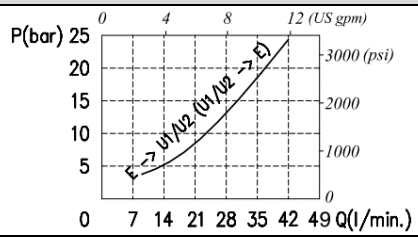
VDFR114



VFDR	Filets / Threads	
	E	U1-U2
114	SAE 20	SAE 16

| VDFR DIVISEUR-COMBINEUR / DIVIDER-COMBINER

COURBES DE PERFORMANCES - PERFORMANCE CURVES

<table>
<tr><th>VDFR</th><th>Perte de charge
Pressure drop
E-->U1&U2 , U1&U2-->E</th><th>VDFR</th><th>Perte de charge
Pressure drop
E-->U1&U2 , U1&U2-->E</th></tr>
<tr><td>38-12</td><td> 
</td><td>12-40</td><td> 
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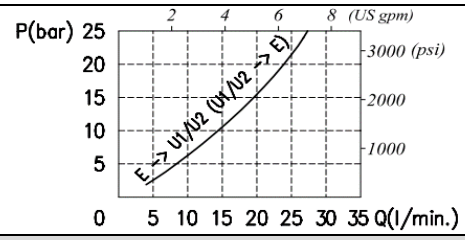
<tr><td>38-24</td><td> 
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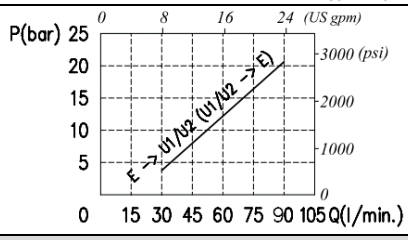
34-90</td><td> 
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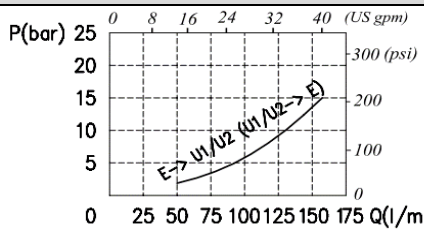
Pressure drop
E-->U1&U2 , U1&U2-->E</th></tr>
<tr><td>100-150</td><td colspan="3"> 
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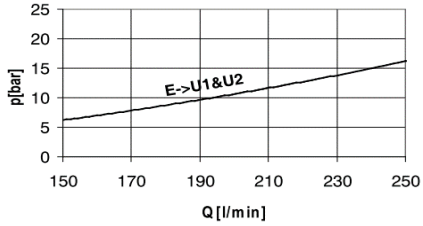
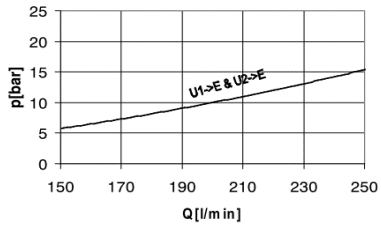
Pressure drop
E-->U1&U2</th><th colspan="2">Perte de charge
Pressure drop
U1&U2-->E</th></tr>
<tr><td>114-250</td><td> 
</td><td colspan="2"> 
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GARANTIE

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Canimex Inc. shall not be responsible for delays caused by distributor's request, labour troubles, damage to warehouse, accidents of any kind, acts of God, shortage in merchandise, governmental regulations or other causes similar or otherwise beyond Canimex Inc.'s control. Canimex Inc.'s responsibility shall be limited to the warranty of the manufacturer. Canimex Inc.'s warranty regarding all hydraulic products shall not exceed manufacturer's warranty. Those products are guaranteed against defects in workmanship and material for the period of one year upon invoicing goods. As to products or parts thereof, which Canimex Inc. finds to have been defective during the warranty period, Canimex Inc.'s sole responsibility hereunder shall be to replace the defective hydraulic parts without charge, F.O.B. Canimex Inc.'s warehouse. This warranty shall not apply to any product which has been subjected to misuse; misapplication, neglect (including but not limited to improper maintenance and storage); accident, improper installation, modification (including but not limited to use of unauthorized parts of attachment), adjustment or repair; inappropriate type of oil; deterioration by chemical action and wear, caused by the presence of abrasive materials, and/or by regular use of the product. None of these circumstances shall constitute a defect pertaining to the mentioned warranty. Canimex Inc. is not liable for damages of any sort whatsoever, including incidental or consequential damages. Canimex Inc. will not be liable for delays caused by said defects and will not be responsible for work or repairs done by others will automatically void the guarantee.

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Canimex head office

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Division Hydraulique et Électronique

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