



DISTRIBUTEURS ÉLECTRIQUES DE TYPE NFPA

NFPA SOLENOID OPERATED DIRECTIONAL CONTROL VALVES

Hydraulic
Electronic

| TABLE DES MATIÈRES - INDEX

Introduction	1	Introduction	1
Sélection DSG	2	DSG Selection	2
Nomenclature	9	Ordering Code	9
Dimension DSG	10	DSG Dimension	10
Vue Explosée DSG	14	Exploded view DSG	14
Sélection DSHG	18	DSHG Selection	18
Nomenclature DSHG	24	Ordering Code DSHG	24
Dimension DSHG	25	DSHG Dimension	25
Vue Explosée DSHG	27	DSHG Exploded View	27
Sélection Modulaires	28	Modular valves Selection	28
Nomenclature Modulaires	36	Modular valves ordering code	36
Dimension Modulaires	37	Modular Dimension	37
Sélection / Nomenclature PBL-M	55	Selection / Code PBL-M	55
Dimension PBL	60	PBL Dimension	60
Dmension MMS	73	MMS Dimension	73
Notes Techniques	77	Technical Notes	77
Garantie	81	Warranty	81

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 drawings are in millimetres and are approximate dimensions.
If your applications have space limitations, please contact Canimex.

INFORMATION GÉNÉRALE / GENERAL INFORMATION

Les distributeurs électriques Canimex fournissent une fiabilité et une performance élevée. La fiabilité est augmentée par l'entremise d'une construction de bobines AC et DC puissantes et performantes. Ces bobines offrent la connexion en connecteur DIN et en boîte terminale. Ces distributeurs sont disponibles en 5 configurations NFPA.



Canimex solenoid operated directional control valves provide high performance and reliability. Reliability is improved through high performance wet armature construction AC and DC solenoids. These coils offer plug-in (DIN connector) and terminal box. It is available on 5 NFPA configurations.

Les valves modulaires sauvent beaucoup d'espace et se rentabilise rapidement. Tout type de circuit hydraulique peut être installé seulement en empilant les valves modulaires sous les distributeurs électriques.



Modular valves save space and reduce cost. Any type of hydraulic circuit can be installed without piping and fitting by stacking modular valves under the directional valve.

Nos embases multiples vous offrent d'immenses possibilités. Assemblées avec nos valves modulaires telles que les valves de contrôle de pression, les valves anti-retour, les valves de contrôle de débit, nos embases répondent à tous vos besoins. Les embases multiples ont une excellente versatilité et plusieurs avantages :



- Offert en aluminium ou en acier, circuit parallèle ou série, avec ou sans limiteur de pression.

- Nos embases en acier viennent standard avec 2 cavités SAE sur P pour une plus grande multitude de possibilités.

- Beaucoup plus compact que des distributeurs mobiles traditionnelles.

- Réduction des fuites hydrauliques externes.

Manifolds are used with cartridge valves, electro-hydraulic directional control valves and modular valves. They can do almost everything that a hydraulic circuit needs. Those valves such as pressure control valves, check valves, flow control valves, etc. are assembly on a single block. It has connections throughout the manifold. Manifolds have a great versatility and have a lot of advantages:

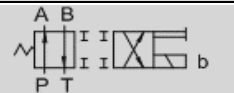
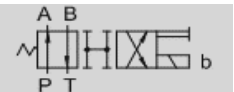
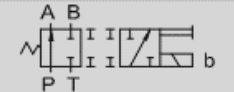
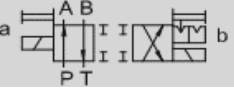
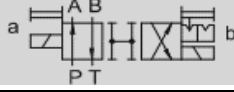
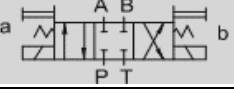
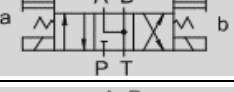
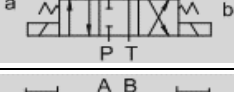
- Our manifolds are in aluminum or in steel, parallel or series circuit, with or without relief valve.

- Our steel manifolds are standard with 2 SAE cavities on P port offering a lot of possibilities of circuit.

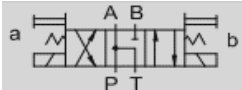
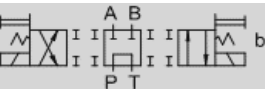
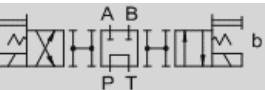
- It is much more compact than traditional mobile electric valves.

- External leakage is practically zero as no external connections are used.

DISTRIBUTEURS ÉLECTRIQUES D03 et D05 / D03 & D05 SOLENOID DIRECTIONAL CONTROL VALVES

Type de tiroirs & Symboles Spool type & Graphic symbols		Débit nominal - Débit maximal Rated flow capacity - Maximum flow capacity					
Symboles Symbols	Modèle Model	DSG-01			DSG-03		
		AC	RAC	DC	AC	RAC	DC
		A1-A2	R1-R2	D1-D2	A1-A2	R1-R2	D1-D2
	DSG-2B2-**	30-63 lpm (7.9-16.6 gpm)			70-120 lpm (18.5-31.7 gpm)		
	DSG-2B3-**						
	DSG-2B8-**						
	DSG-2D2-**						
	DSG-2D3-**						
	DSG-3C2-**						
	DSG-3C3-**						
	DSG-3C4-**						
	DSG-3C40-**						
	DSG-3C7-**						
	DSG-3C9-**						
	DSG-3C10-**						
	DSG-3C11-**						

DISTRIBUTEURS ÉLECTRIQUES D03 et D05 / D03 & D05 SOLENOID DIRECTIONAL CONTROL VALVES

Type de tiroirs & Symboles Spool type & Graphic symbols		Débit nominal - Débit maximal Rated flow capacity - Maximum flow capacity					
Symboles Symbols	Modèle Model	DSG-01			DSG-03		
		AC	RAC	DC	AC	RAC	DC
		A1-A2	R1-R2	D1-D2	A1-A2	R1-R2	D1-D2
	DSG-3C12-**	30-63 lpm (7.9-16.6 gpm)			70-120 lpm (18.5-31.7 gpm)		
	DSG-3C5-**	15-30 lpm (4.0-7.9 gpm)			30-60 lpm (7.9-15.9 gpm)		
	DSG-3C6-**						
	DSG-3C60-**						
Pression maximale d'opération Maximum operation pressure (P.A.B)		315 bar (4500 psi)					
Pression maximale d'opération 3C5/3C6 Maximum operation pressure 3C5/3C6		250 bar (3600 psi)					
Pression sur T Permissible back pressure T		160 bar (2300 psi)					
Poids Weight (kg)	Double solenoid	1.9	2.0		4.0	4.8	
	Single solenoid	1.5	1.6		3.3	3.8	
Fréquence de commutation Switching frequency (nbr/min)		280	120	280	240	120	240
Fluides hydrauliques Hydraulic fluids		Utiliser des fluides hydrauliques à ISO VG32 ou VG46 Use hydraulic fluids equivalent to ISO VG32 or VG46					
Température d'opération recommandée Operating temperature recommended		-15°C à/to 70°C 5°F à/to 158°F					
Filtration		25 µm ou plus fin/or finer					

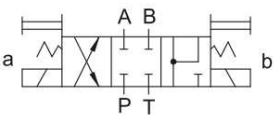
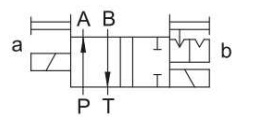
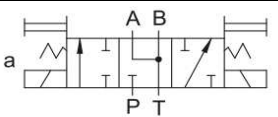
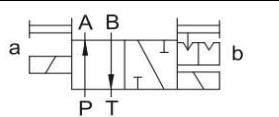
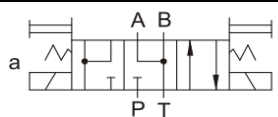
CONFIGURATION DES TIROIRS / SPOOL FUNCTION

Type	Symboles Symbols	Type	Symboles Symbols	Type	Symboles Symbols
2A2		3C2		2D2	
2A3		3C3		2D3	
2A14		3C4		2D4	

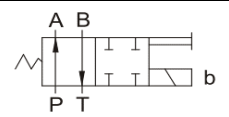
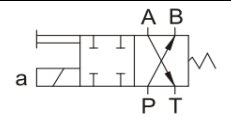
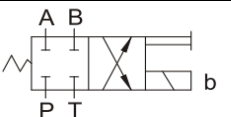
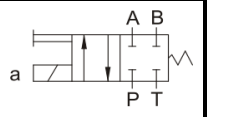
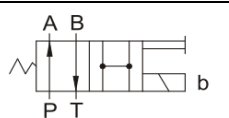
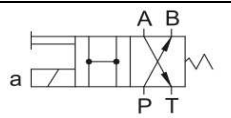
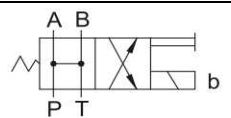
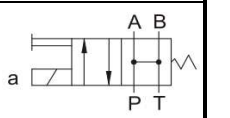
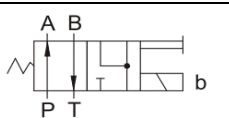
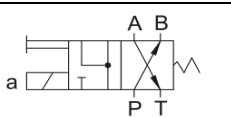
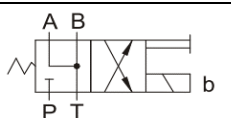
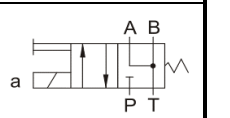
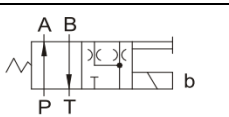
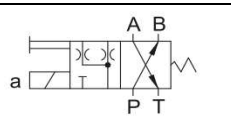
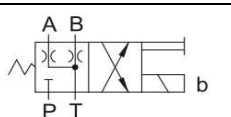
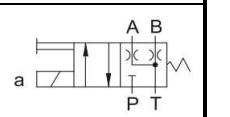
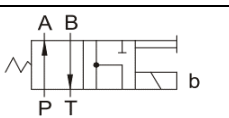
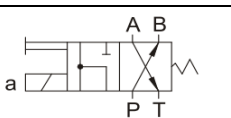
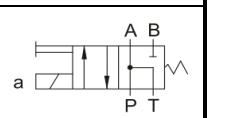
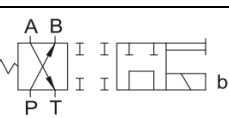
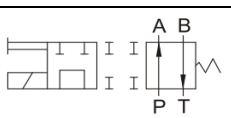
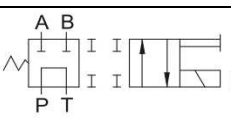
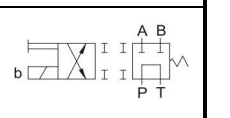
CONFIGURATION DES TIROIRS / SPOOL FUNCTION

Type	Symboles Symbols	Type	Symboles Symbols	Type	Symboles Symbols
2A2L		3C40		2D40	
2A3L		3C5		2D7	
2A14L		3C6		2D2A	
2B2		3C60		2D3A	
2B3		3C7		2D4A	
2B8		3C8		2D40A	
2B29		3C9		2D5A	
2B2L		3C10		2D60A	
2B3L		3C11		2D7A	
2B8L		3C12		2D9A	
2B29L		3C25		2D10A	

CONFIGURATION DES TIROIRS / SPOOL FUNCTION

Type	Symboles Symbols	Type	Symboles Symbols	Type	Symboles Symbols
		3C29		2D11A	
		3C48		2D12A	
		3C94			

CONFIGURATION À DEUX POSITIONS / TWO POSITION FUNCTION

Type	Symboles Symbols		Type	Symboles Symbols	
	Standard	Alternatif Alternated		Standard	Alternatif Alternated
2B2A(L)			2B2B(L)		
2B3A(L)			2B3B(L)		
2B4A(L)			2B4B(L)		
2440A(L)			2B40B(L)		
2B5A(L)			2B5B(L)		
2B6A(L)			2B6B(L)		

CONFIGURATION À DEUX POSITIONS / TWO POSITION FUNCTION

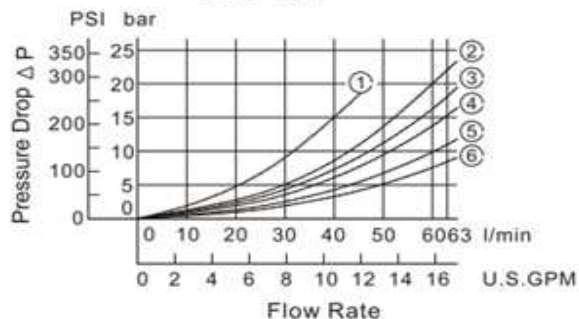
Type	Symboles Symbols		Type	Symboles Symbols	
	Standard	Alternatif Alternated		Standard	Alternatif Alternated
2B60A(L)			2B60B(L)		
2B7A(L)			2B7B(L)		
2B8A(L)			2B8B(L)		
2B9A(L)			2B9B(L)		
2B10A(L)			2B10B(L)		
2B11A(L)			2B11B(L)		
2B12A(L)			2B12B		
2B25A(L)			2B25B(L)		
2B29A(L)			2B29B(L)		
2B48A(L)			2B48B(L)		

DONNÉES TECHNIQUES DES BOBINES / COILS TECHNICAL DATA

Courant AC/DC AC/DC Current		AC				DC			
						Rectifié Rectified		-	
Voltage (V)		AC110V		AC220V		R110V	R220V	DC12	DC24
Fréquence Frequency (Hz)		50	60	50	60	50/60	50/60	-	-
DSG (01) 1/8"	Courant de départ Starting current (A)	2.38	2.33	1.19	1.17	-	-	-	-
	Courant de maintien Holding current (A)	0.40	0.45	0.20	0.23	0.30	0.15	2.20	1.10
	Puissance électrique de maintien Holding electrical power (W)	-	-	-	-	26	26	26	26
DSG (03) 3/8"	Courant de départ Starting current (A)	5.37	5.03	2.69	2.52	-	-	-	-
	Courant de maintien Holding current (A)	0.70	0.75	0.30	0.35	0.48	0.24	3.16	1.57
	Puissance électrique de maintien Holding electrical power (W)	-	-	-	-	38	38	38	38
Voltage permis Permissible voltage (V)		95-120		200-235		95-120	200-235	11.0-13.2	22.0-26.4
Résistance d'isolation Insulation resistance (MΩ)		100 et plus 100 or above (500V)							

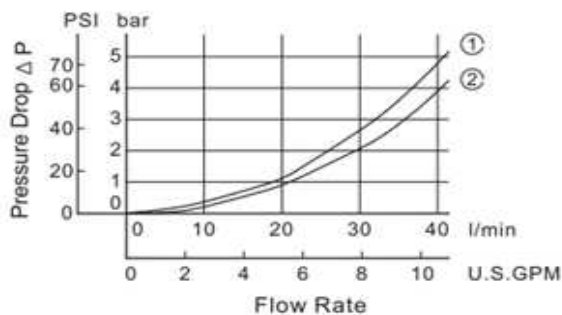
PERTE DE CHARGE / PRESSURE DROP

DSG-01



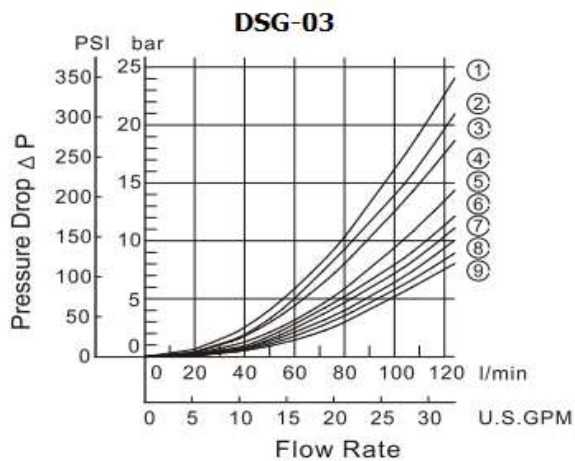
Série Series	Tiroir Spool	Numéro de la courbe / Curve number				
		P→A	B→T	P→B	A→T	P→T
DSG-01	3C2	5	5	5	5	-
	3C3	6	6	6	6	4
	3C4	5	6	5	6	-
	3C40	5	5	5	5	-
	3C60	1	1	1	1	4
	3C9	6	5	6	5	-
	3C10	5	6	5	6	-
	3C12	5	5	5	6	-
	2D2	5	2	5	2	-
	2B2	2	2	5	5	-
	2B3	3	3	5	6	-
	2B8	5	-	5	-	-

DSG-01-S

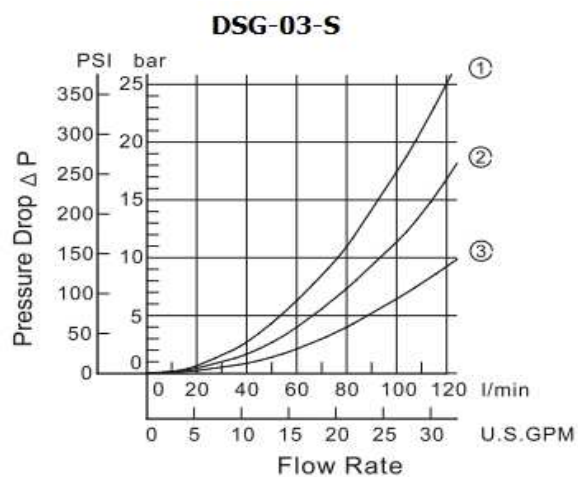


Série Series	Tiroir Spool	Numéro de la courbe / Curve number			
		P→A	B→T	P→B	A→T
DSG-01-S	3C2	1	1	1	1
	3C4	1	2	1	2
	2B2	1	1	1	1

PERTE DE CHARGE / PRESSURE DROP



Série Series	Tiroir Spool	Numéro de la courbe / Curve number				
		P→A	B→T	P→B	A→T	P→T
DSG-01	3C2	7	7	7	7	-
	3C3	9	9	9	9	5
	3C4	7	8	7	8	-
	3C40	7	7	7	7	-
	3C60	6	5	6	5	1
	3C9	9	7	9	7	-
	3C10	7	8	7	7	-
	3C12	7	7	7	8	-
	2D2	4	3	6	6	-
	2B2	2	1	7	7	-
	2B3	3	2	9	9	-
	2B8	6	-	5	-	-

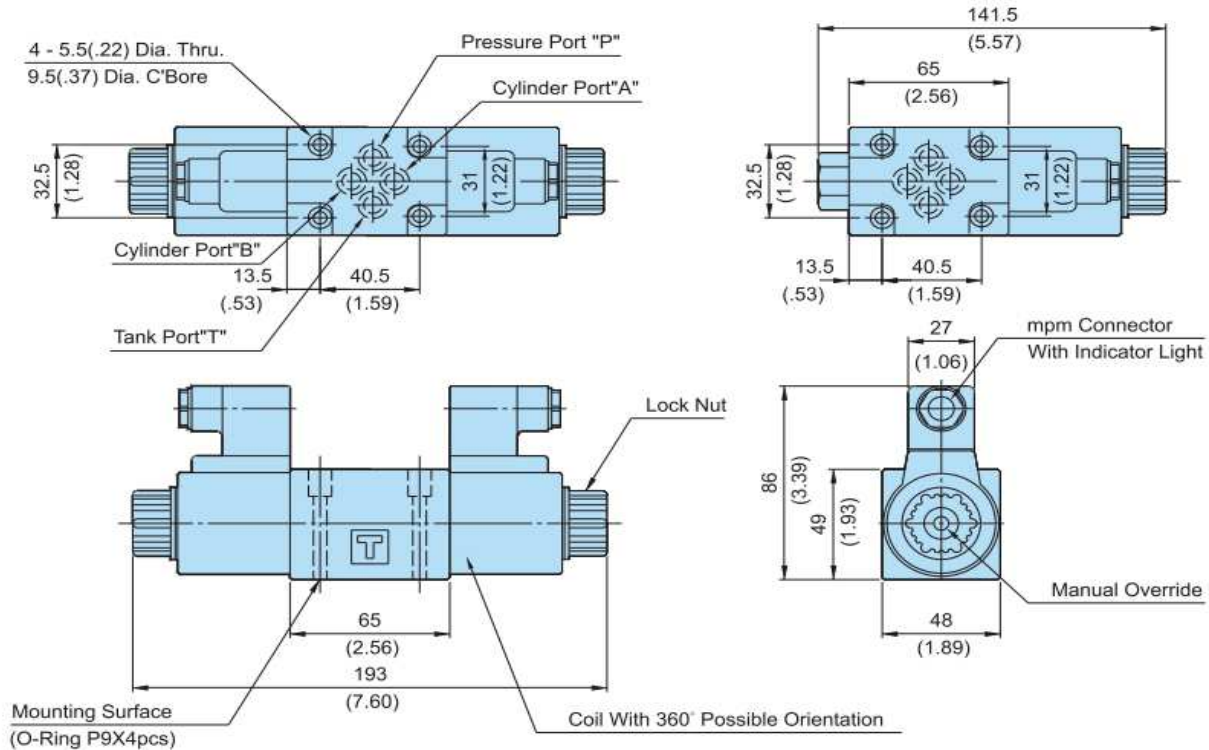


Série Series	Tiroir Spool	Numéro de la courbe / Curve number			
		P→A	B→T	P→B	A→T
DSG-01-S	3C2	2	2	2	2
	3C4	2	2	3	3
	2B2	1	2	2	2

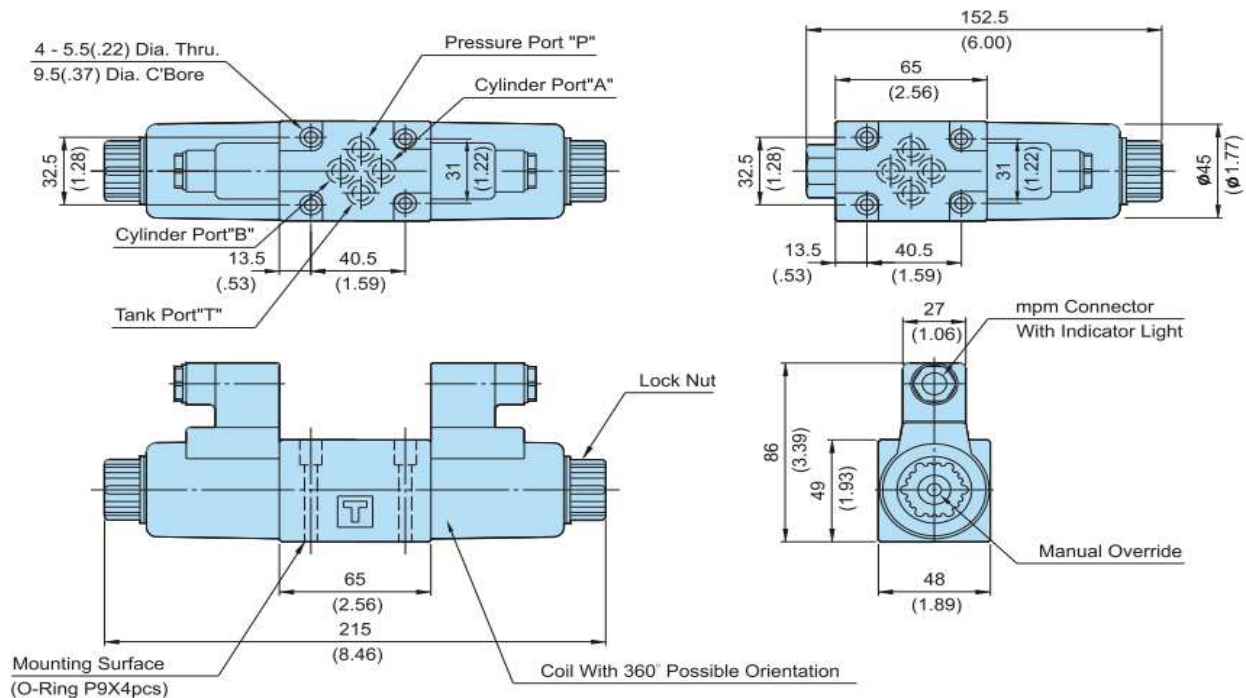
NOMENCLATURE / DESCRIPTION

DSG	- 3C3	- N	- 01	- A1	- 30	95	- SLW
Série Series	Tiroir Spool	Connexion Connection	Grosseur Size	Bobine Coil type	Design	Enseigne Nameplate	Options
DSG	Voir Sélection	Omit Boîte de jonction Terminal box	01 1/8" 03 3/8"	A1 AC100V-AC110V A2 AC200V-AC220V A4 AC220V D1 DC12V D2 DC24V D3 DC36V D4 D48V R1 RAC100 R2 RAC200	30 IP65 40 IP67	90 Enseigne Hystar Nameplate 95 Enseigne Canimex Nameplate	SLW Limiteur de la course Stroke limiter
		N Connecteur DIN DIN connector					

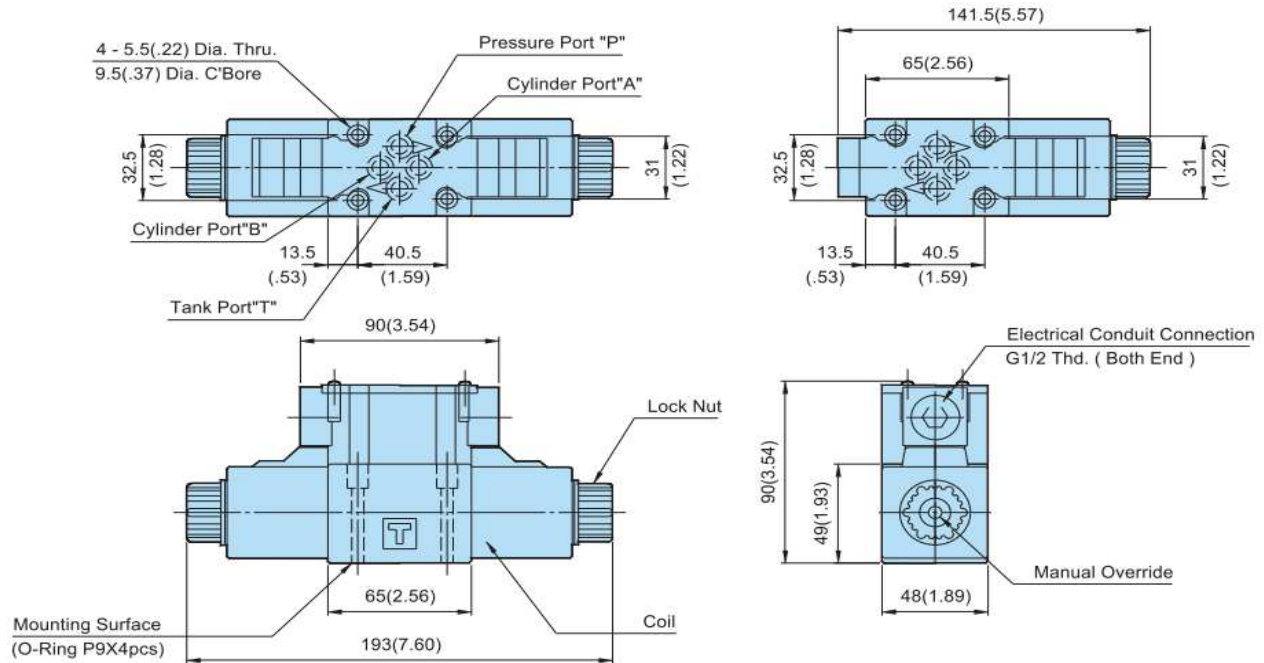
DSG-N-01-AC



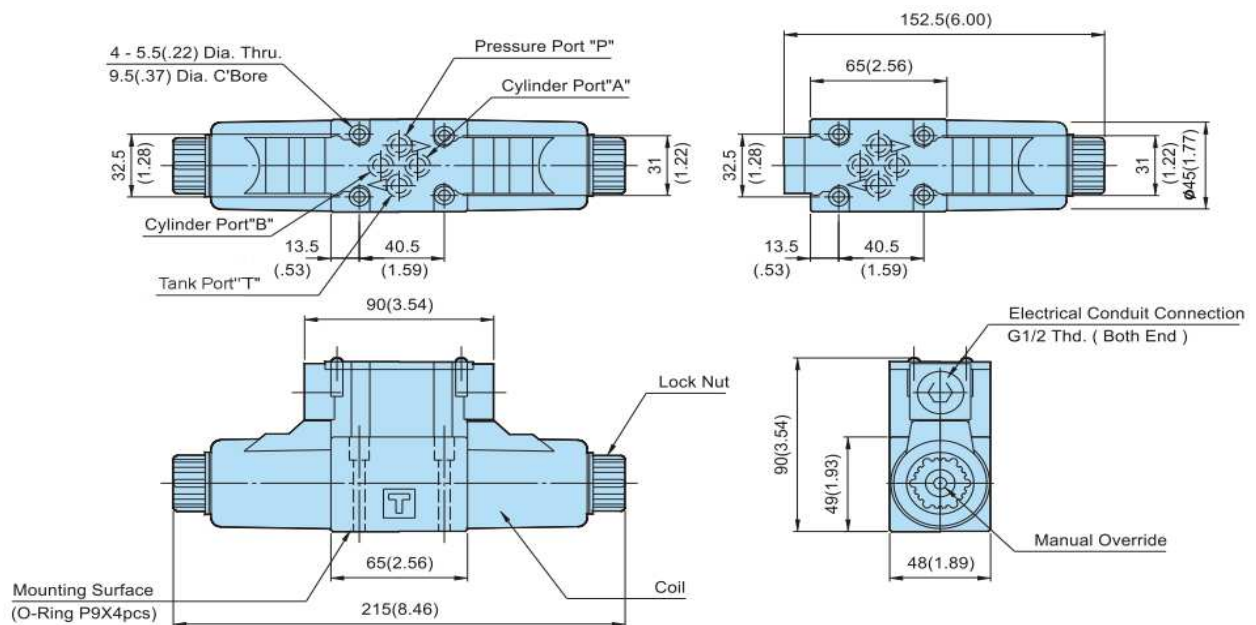
DSG-N-01-DC/RAC



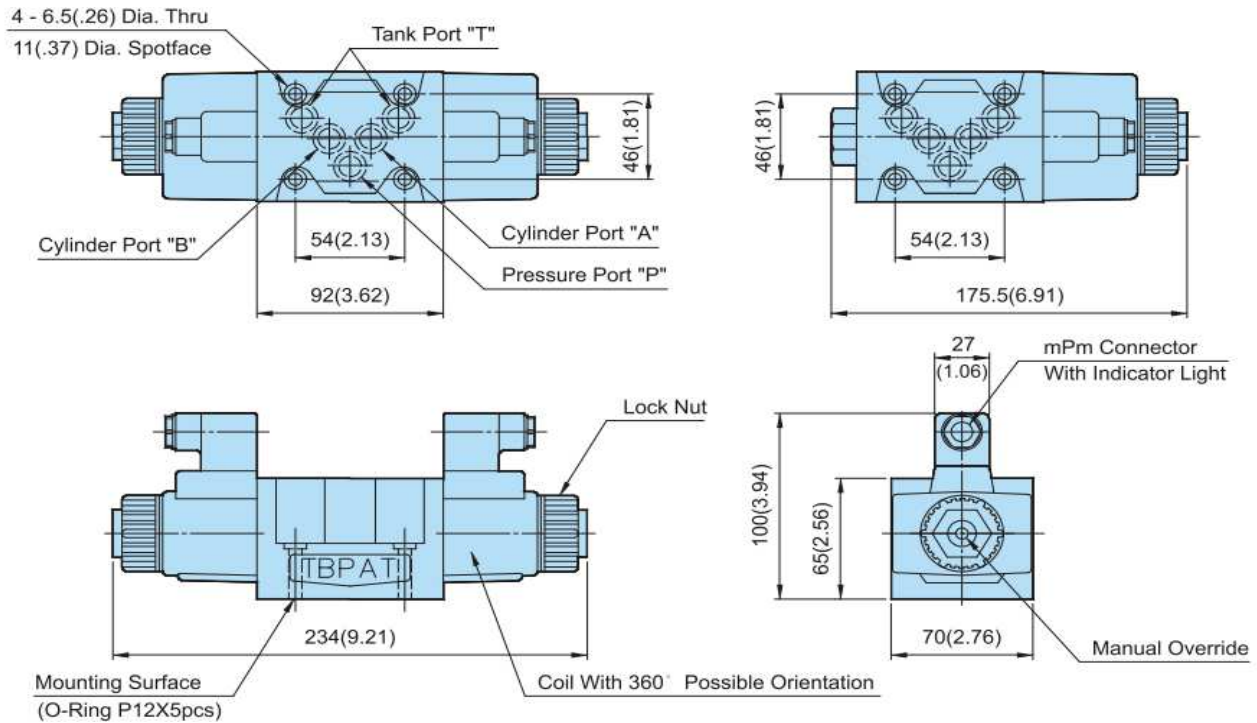
DSG-01-AC



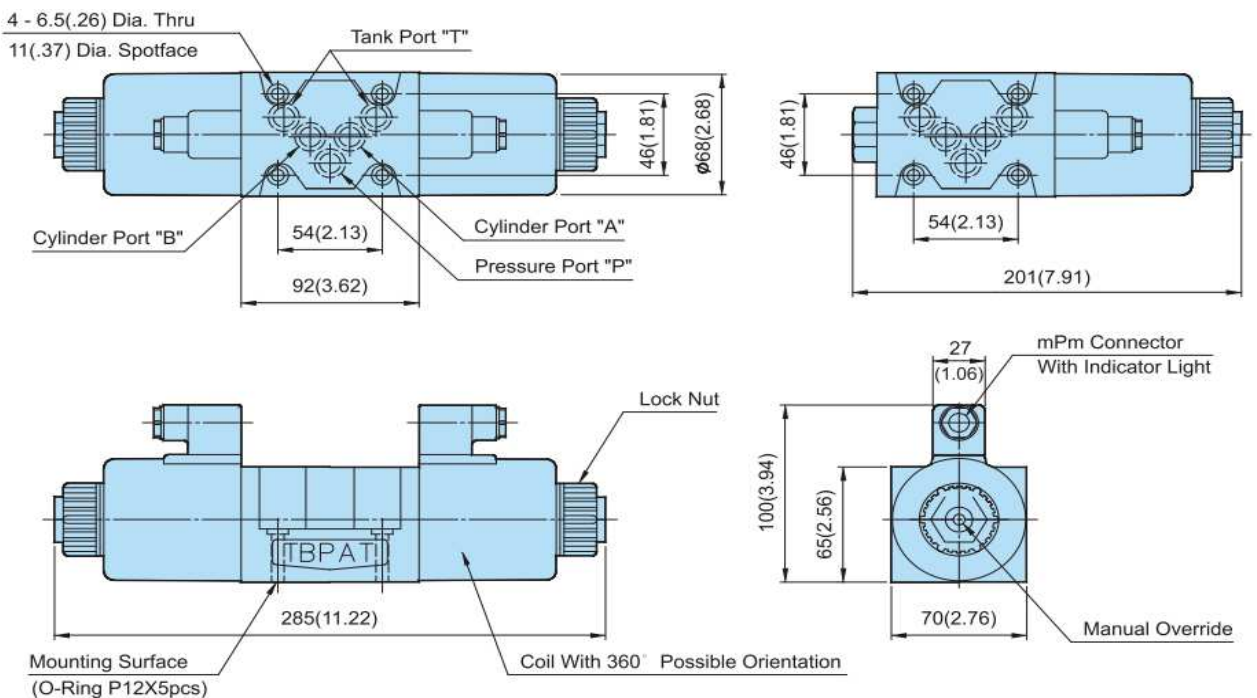
DSG-01-DC/RAC



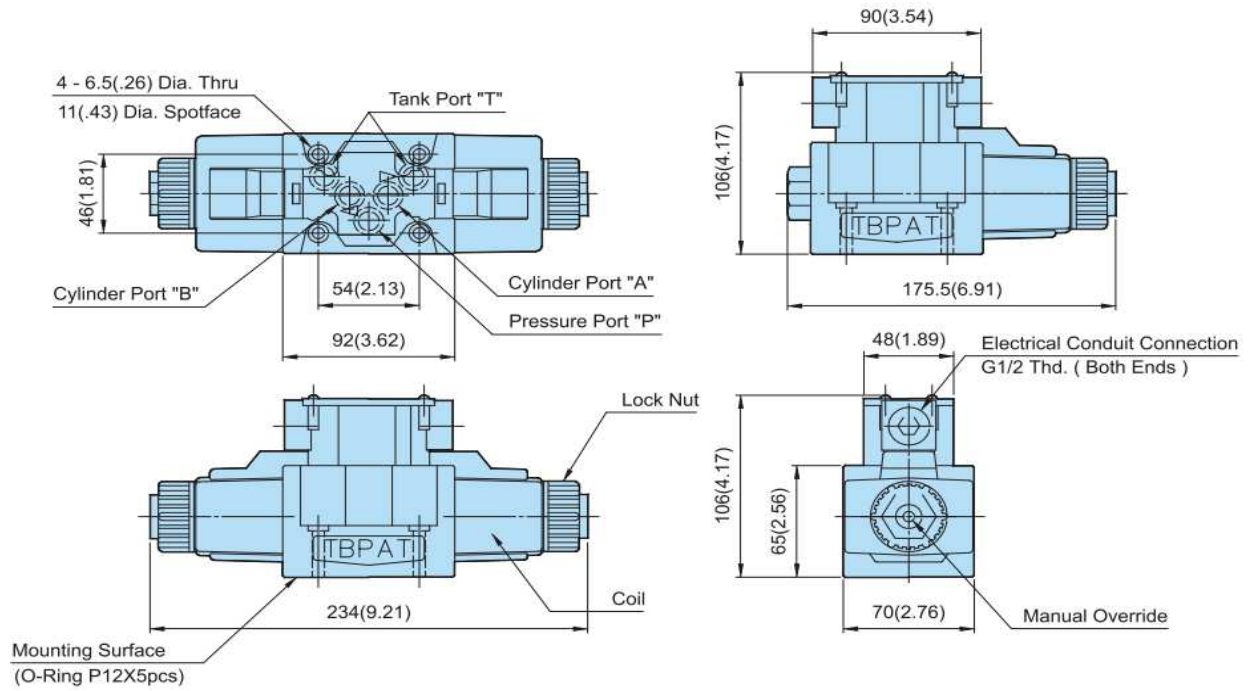
DSG-N-03-AC



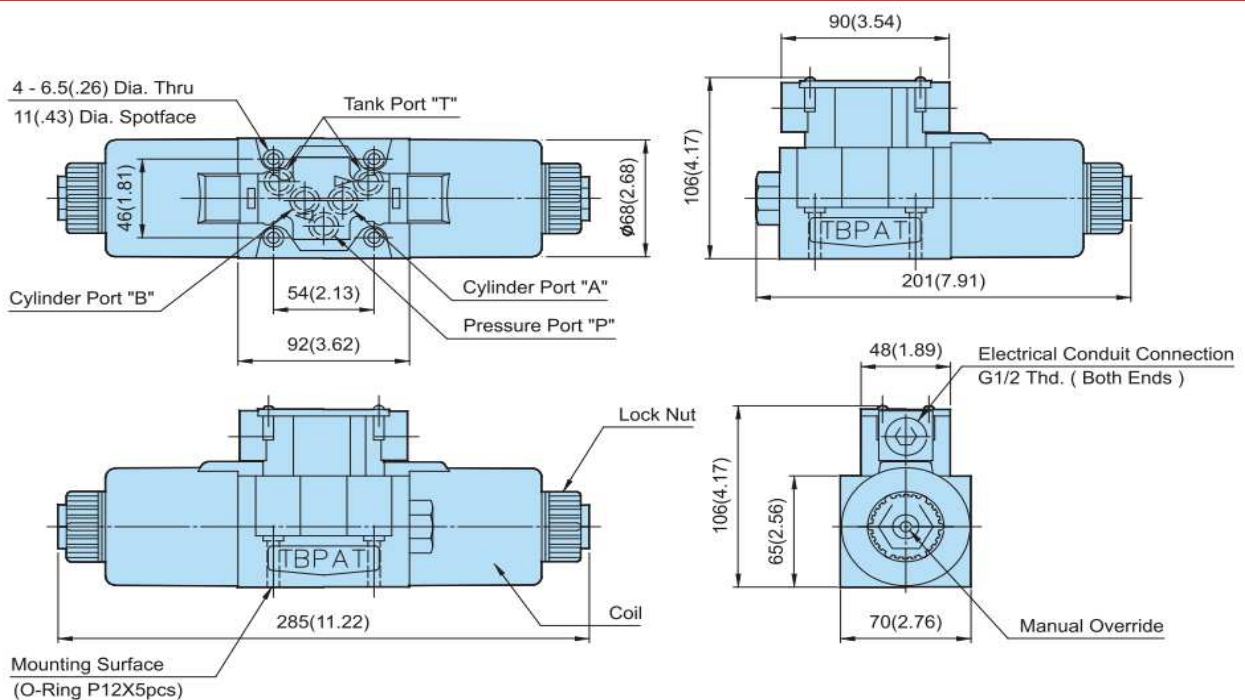
DSG-N-03-DC/RAC



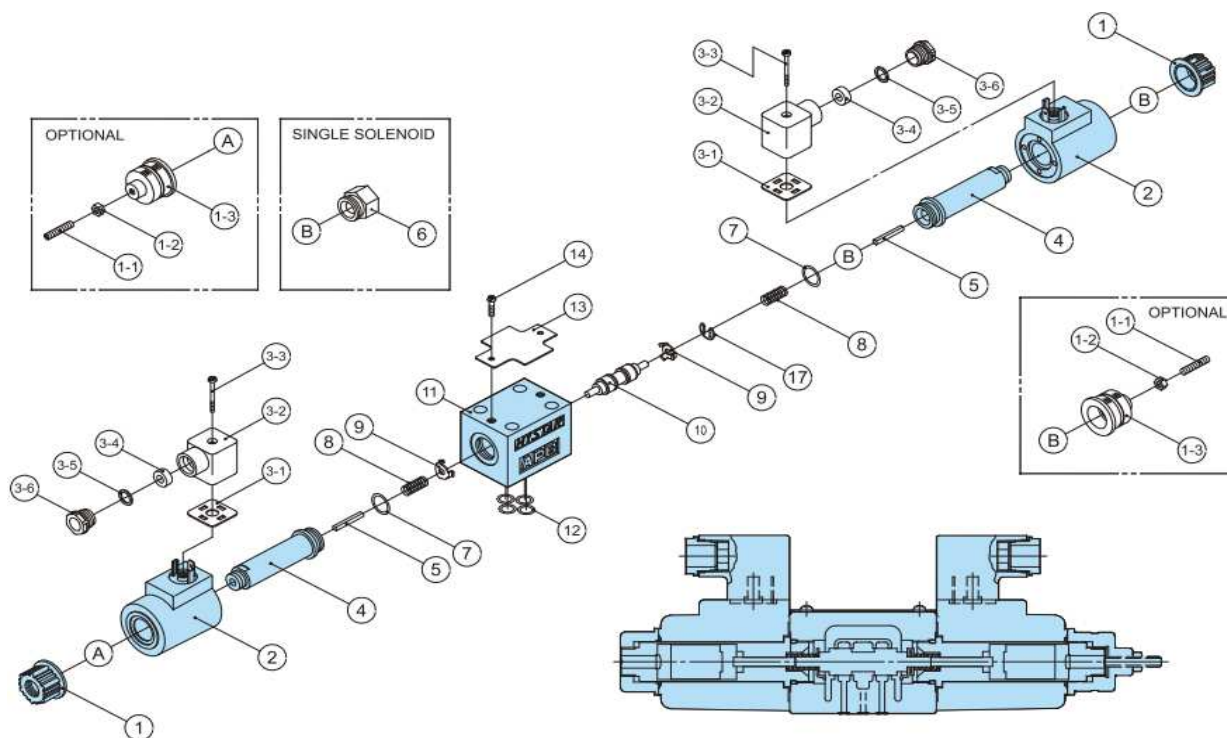
DSG-03-AC



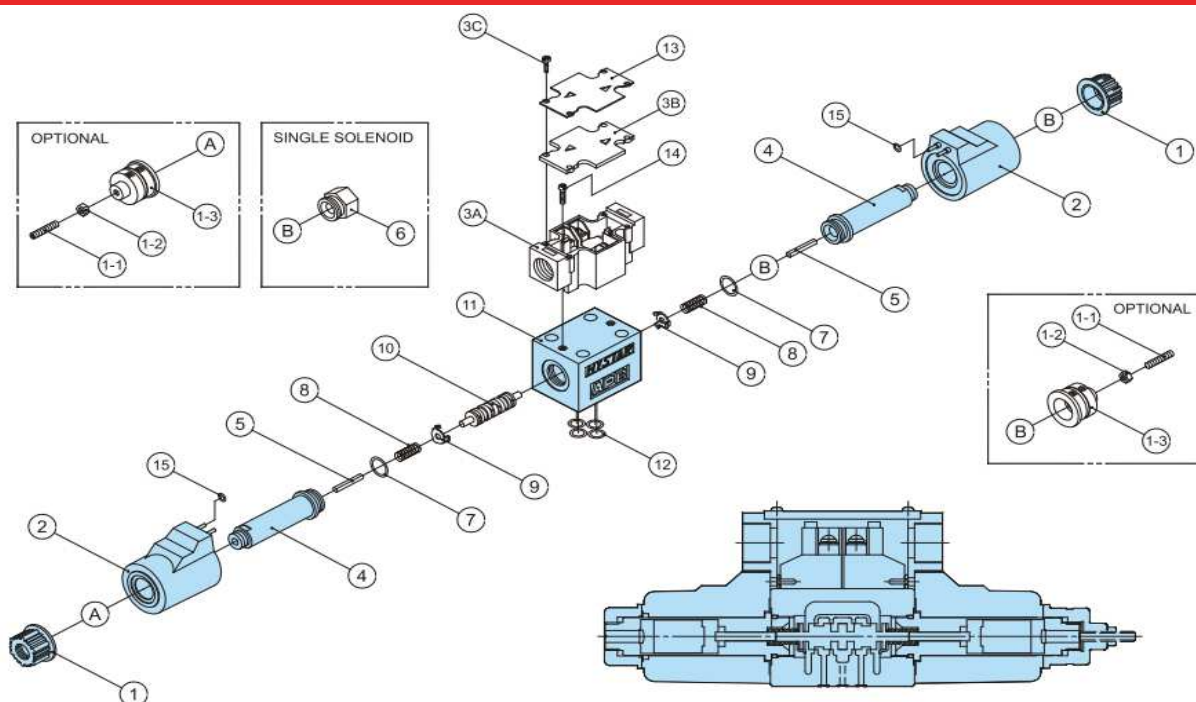
DSG-03-DC/RAC



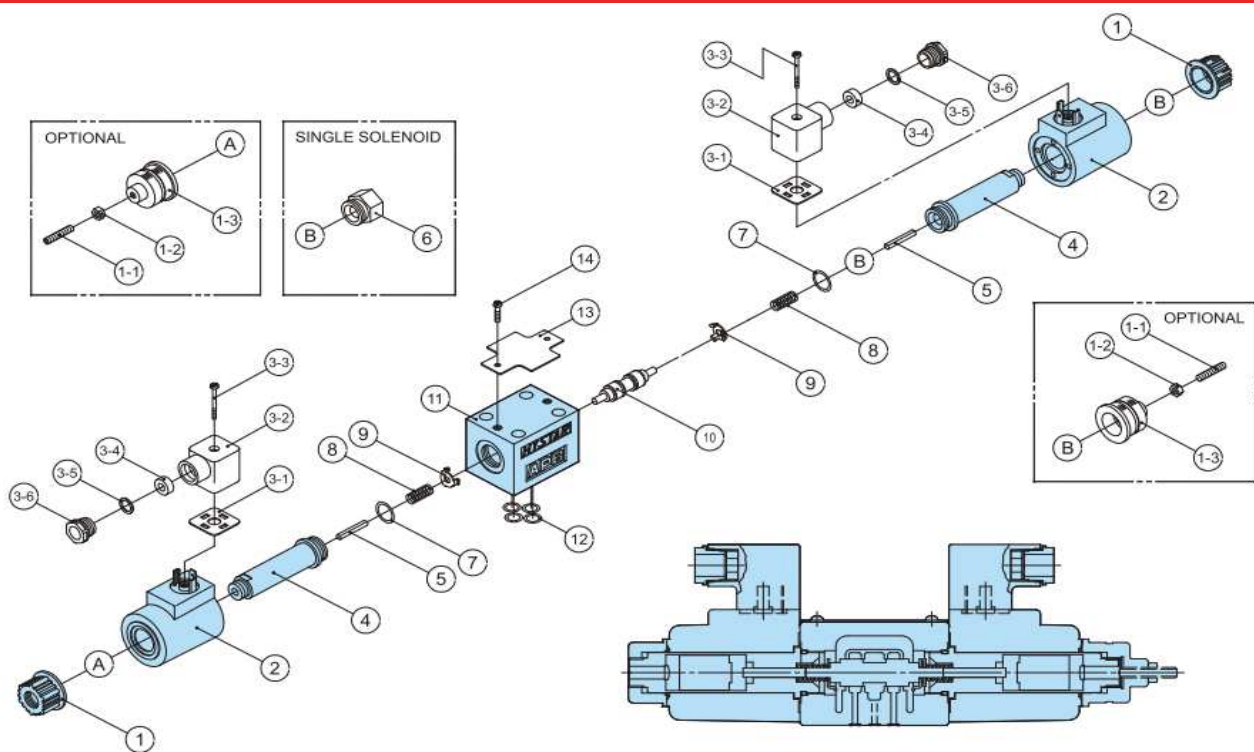
DSG-2D2-N-01-DC



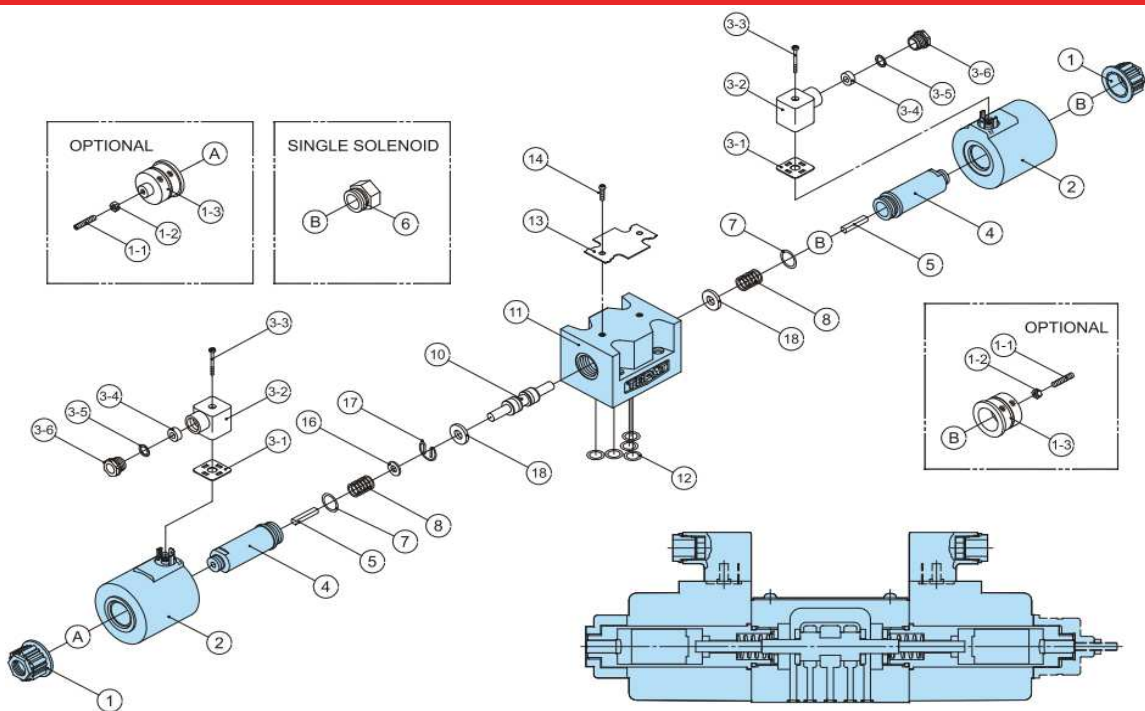
DSG-3C60-01-DC



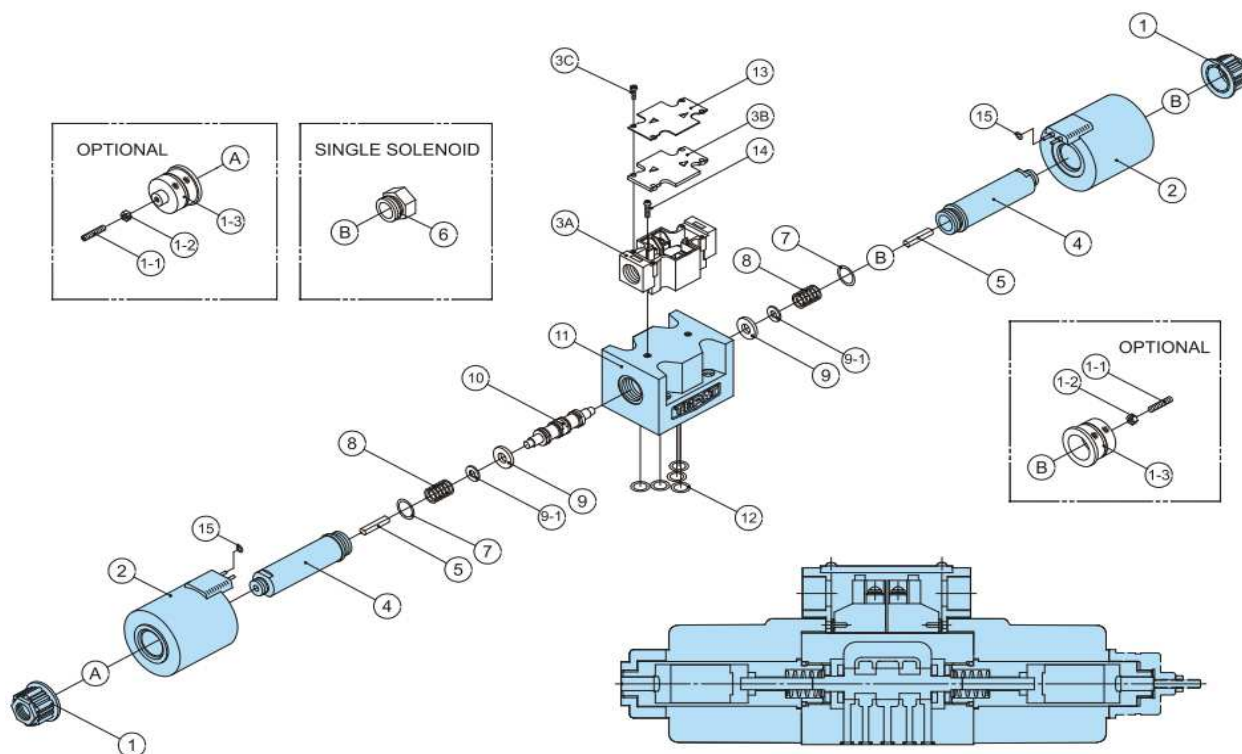
DSG-3C2-N-01-DC



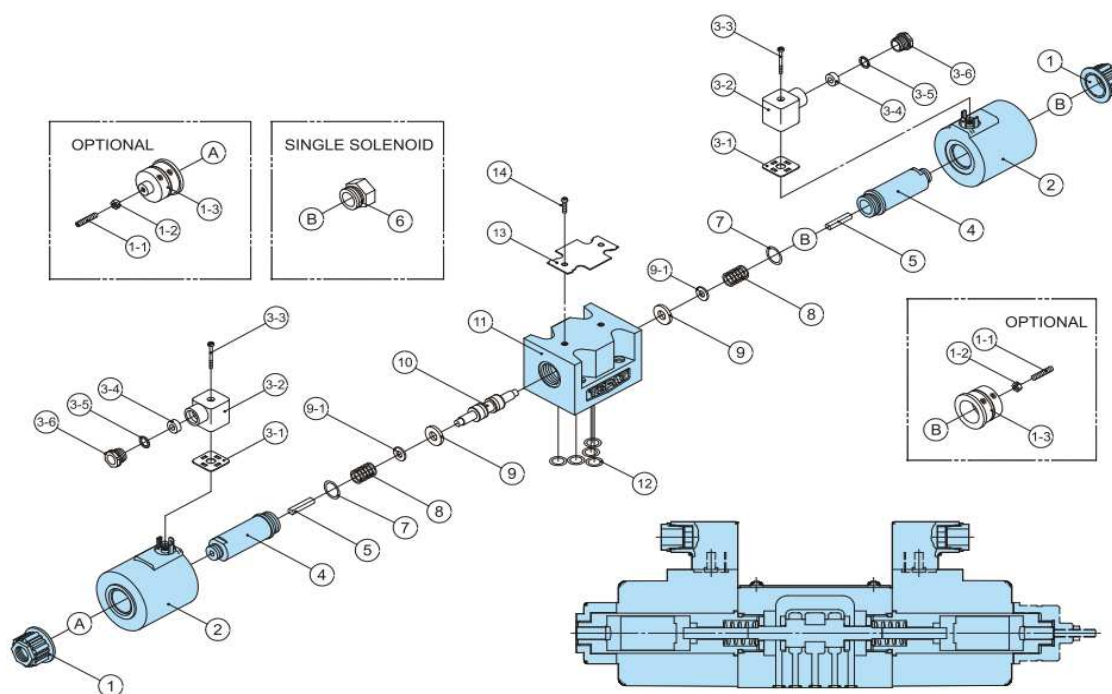
DSG-2D2-N-03-DC



DSG-3C60-03-DC



DSG-3C2-N-03-DC



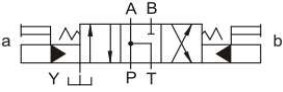
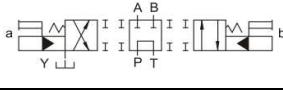
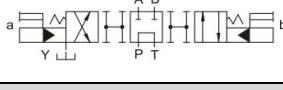
LISTE DE PIÈCES DE RECHANGE / SPARE PARTS LIST

No	Description	
1	Écrou de blocage	Lock nut
1-1	Vis de fixation	Fixing screw
1-2	Écrou d'acier	Steel nut
1-3	Écrou de blocage	Lock nut
2	Bobine	Coil
3	Connecteur DIN	DIN connector
3-1	Joint	Gasket
3-2	Carcasse	Housing
3-3	Vis de fixation	Fixing screw
3-4	Passe-fil	Grommet
3-5	Rondelle	Washer
3-6	Écrou libre	Gland nut
3A	Boîte terminale	Terminal box
3B	Plaque de plastique	Plastic cover
3C	Boulon de plaque	Fixing screw
4	Noyau du solénoïd	Solenoid core
5	Bouton-poussoir	Push pin
6/B	Bouchon	Plug
7	Joint torique	O-ring
8	Ressort	Spring
9	Soutien de ressort	Retainer
9-1	Arrêt ressort	Spring stop
10	Tiroir	Spool
11	Corps	Body
12	Joint torique	O-ring
13	Enseigne	Nameplate
14	Vis de fixation	Fixing screw
15	Joint torique	O-ring
16	Guide de retenu	Detent guide
17	Ressort de retenu	Detent kit
18	Détenteur	Detent hold
A	Limiteur de course	Stroke limiter

DISTRIBUTEURS D05H, D07, D08 et D10 / D05H, D07, D08 & D10 SOLENOID DIRECTIONAL VALVES

Type de tiroir & Symboles Spool type & Graphic symbols		Débit nominal - Débit maximal Rated flow capacity - Maximum flow capacity			
Symboles Symbols	Modèle Model	DSHG-03	DSHG-04	DSHG-06	DSHG-10
	DSHG-2B2-**	60-160 lpm (15.9-42.3 gpm)	135-300 lpm (35.7-79.3 gpm)	310-500 lpm (82-132 gpm)	570-1100 lpm (150-291 gpm)
	DSHG-2B3-**				
	DSHG-2B4-**				
	DSHG-2N2-**				
	DSHG-2N3-**				
	DSHG-3C2-**				
	DSHG-3C3-**				
	DSHG-3C4-**				
	DSHG-3C40-**				
	DSHG-3C7-**				
	DSHG-3C9-**				
	DSHG-3C10-**				
	DSHG-3C11-**				
	DSHG-3C12-**				

DISTRIBUTEURS D05H, D07, D08 et D10 / D05H, D07, D08 & D10 SOLENOID DIRECTIONAL VALVES

Type de tiroir & Symboles Spool type & Graphic symbols		Débit nominal - Débit maximal Rated flow capacity - Maximum flow capacity			
Symboles Symbols	Modèle Model	DSHG-03	DSHG-04	DSHG-06	DSHG-10
	DSHG-3C5-**-**	60-160 lpm (15.9-42.3 gpm)	245-280 lpm (64.8-74.5 gpm)	230-450 lpm (60.8-120 gpm)	570-950 lpm (150-250 gpm)
	DSHG-3C6-**-**				
	DSHG-3C60-**-**				
Pression maximale d'opération Maximum operation pressure (P.A.B)		315 bar (4500 psi)			
Pression minimale requis pour le pilote Minimum required pilot pressure		8 bar (114 psi)			10 bar (143 psi)
Pression maximale du pilote Maximum pilot pressure		250 bar (3600 psi)			
Pression sur T Permissible back pressure T - Ext. Drain		210 bar (3000 psi)			
Pression sur T Permissible back pressure T - Int. Drain		160 bar (2300 psi)			
Poids Weight (kg)	Double solenoid	7.2	8.9	12.8	45.4
	Single solenoid	6.6	8.3	12.2	44.8
Fréquence de commutation Switching frequency (nbr/min)		120	120	120	110
Fluides hydrauliques Hydraulic fluids		Utiliser des fluides hydrauliques équivalents à ISO VG32 ou VG46 Use hydraulic fluids equivalent to ISO VG32 or VG46			
Température d'opération recommandée Operating temperature recommended		-15°C à/to 70°C 5°F à/to 158°F			
Filtration		25 µm ou plus fin/or finer			

CONFIGURATION DES TIROIRS / SPOOL FUNCTION

Type	Symboles Symbols	Type	Symboles Symbols	Type	Symboles Symbols
2A2		3C2		2N2	
2A3		3C3		2N3	
2A14		3C4		2N4	
2B2		3C40		2N40	

CONFIGURATION DES TIROIRS / SPOOL FUNCTION

Type	Symboles Symbols	Type	Symboles Symbols	Type	Type
2B29		3C5		2N7	
2B3		3C6		2N2A	
2B4		3C60		2N3A	
2B40		3C7		2N4A	
2B7		3C8		2N40A	
		3C9		2N5A	
		3C10		2N6A	
		3C11		2N60A	
		3C12		2N7A	
		3C25		2N9A	
		3C29		2N10A	
		3C48		2N11A	

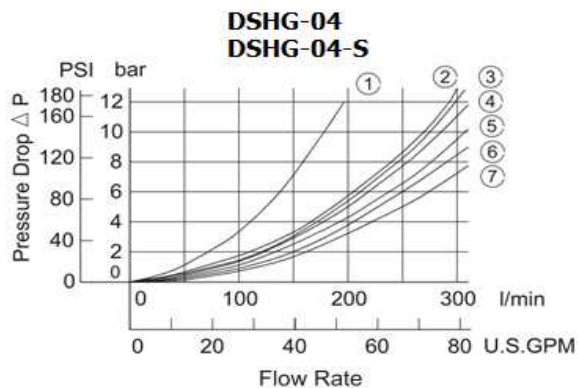
CONFIGURATION À DEUX POSITIONS / TWO POSITION FUNCTION

Type	Symboles - Symbols		Type	Symboles - Symbols	
	Standard	Alternatif Alternated		Standard	Alternatif Alternated
2B2A(L)			2B2B(L)		
2B3A(L)			2B3B(L)		
2B4A(L)			2B4B(L)		
2B40A(L)			2B40B(L)		
2B5A(L)			2B5B(L)		
2B6A(L)			2B6B(L)		
2B60A(L)			2B60B(L)		
2B7A(L)			2B7B(L)		
2B8A(L)			2B8B(L)		
2B9A(L)			2B9B(L)		
2B10A(L)			2B10B(L)		
2B11A(L)			2B11B(L)		

CONFIGURATION À DEUX POSITIONS / TWO POSITION FUNCTION

Type	Symboles Symbols		Type	Symboles Symbols	
	Standard	Alternatif Alternated		Standard	Alternatif Alternated
2B12A(L)			2B12B		
2B25A(L)			2B25B(L)		
2B29A(L)			2B29B(L)		
2B48A(L)			2B48B(L)		

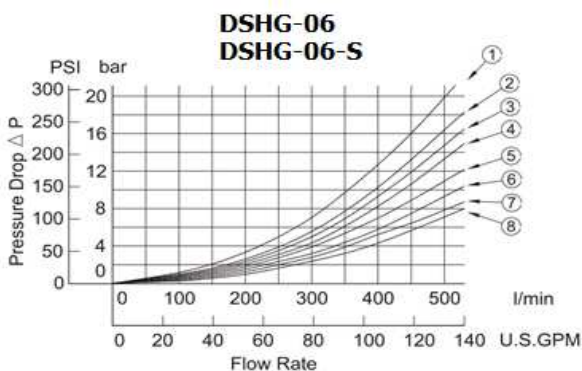
PERTE DE CHARGE / PRESSURE DROP



Série Series	Tiroir Spool	Numéro de la courbe / Curve number				
		P→A	B→T	P→B	A→T	P→T
DSHG-04 DSHG-04-S	3C2	5 (2)	4 (2)	5 (2)	6 (4)	-
	3C3	5	3	5	5	7
	3C4	5 (2)	3 (3)	5 (2)	5 (5)	-
	3C40	5 (2)	4 (4)	5 (2)	6 (6)	-
	3C5	7	4	5	5	5
	3C6	5 (6)	3 (4)	5 (6)	6 (7)	1 (2)
	3C60	7	5	7	7	2
	3C7	5	4	5	6	-
	3C9	5	4	5	6	-
	3C10	5 (2)	2 (2)	5 (2)	6 (4)	-
	3C11	6	4	5	6	-
	3C12	5 (2)	4 (2)	5 (2)	5 (5)	-

Note : () ; numéro de la courbe pour les types sans-choc.

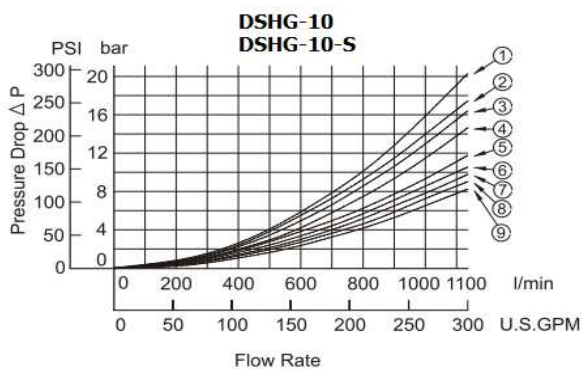
Note : () ; curve No. is for shock-less type.



Série Series	Tiroir Spool	Numéro de la courbe / Curve number				
		P→A	B→T	P→B	A→T	P→T
DSHG-06 DSHG-06-S	3C2	8 (6)	5 (1)	8 (6)	7 (2)	-
	3C3	6	4	6	7	6
	3C4	8 (6)	5 (2)	8 (6)	7 (2)	-
	3C40	8	5	8	7	-
	3C5	8	4	5	7	2
	3C6	5	1	5	4	3
	3C60	6 (6)	5 (2)	6 (6)	7 (3)	3 (1)
	3C7	6	4	6	7	-
	3C9	6	5	6	7	-
	3C10	8	5	8	7	-
	3C11	8	4	5	7	-
	3C12	8	5	8	7	-

Note : () ; numéro de la courbe pour les types sans-choc.

Note : () ; curve No. is for shock-less type.



Série Series	Tiroir Spool	Numéro de la courbe / Curve number				
		P→A	B→T	P→B	A→T	P→T
DSHG-10 DSHG-10-S	3C2	9 (8)	6 (3)	9 (8)	8 (4)	-
	3C3	7	6	7	7	5
	3C4	9 (8)	6 (5)	9 (8)	6 (6)	-
	3C40	9	6	9	8	-
	3C5	9	6	8	6	1
	3C6	5	3	5	4	2
	3C60	8 (8)	5 (4)	8 (8)	5 (4)	3 (2)
	3C7	7	6	7	7	-
	3C9	7	6	7	8	-
	3C10	9	5	9	8	-
	3C11	9	6	8	7	-
	3C12	9	7	9	6	-

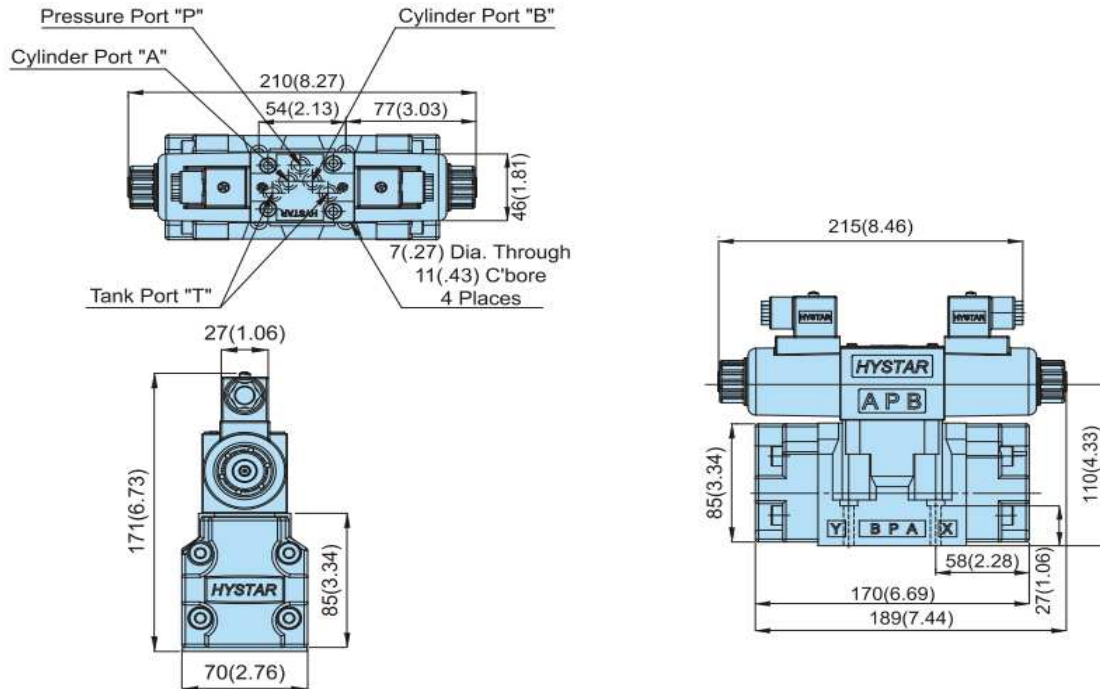
Note : () ; numéro de la courbe pour les types sans-choc.

Note : () ; curve No. is for shock-less type.

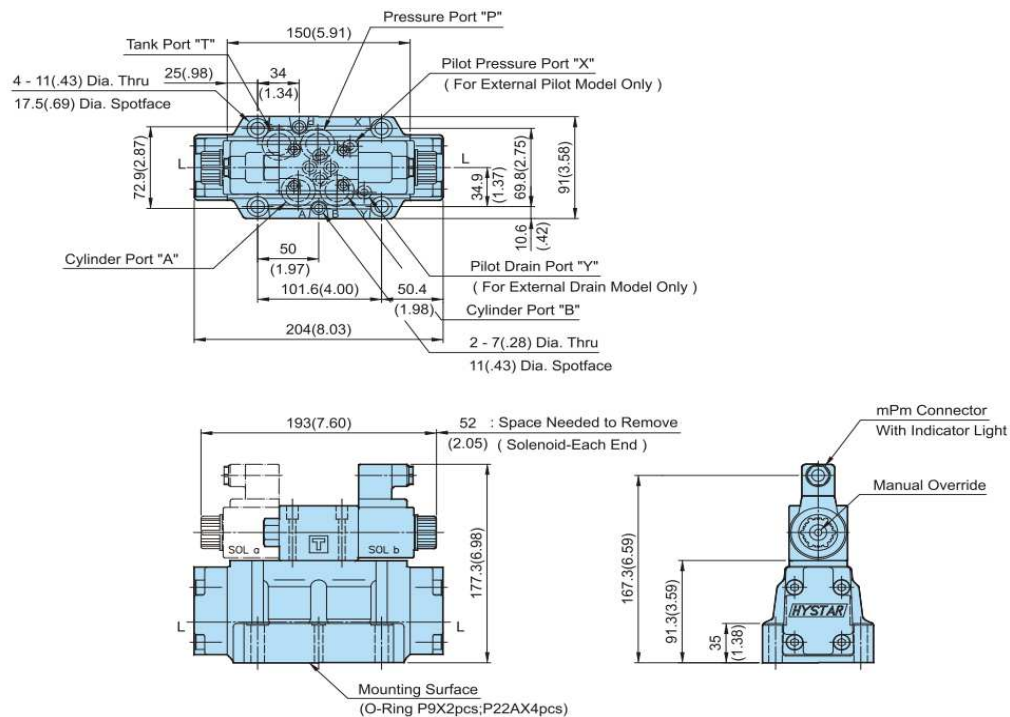
NOMENCLATURE / DESCRIPTION

DSHG	- 3C3	- N	- 04	- D1	- 30	90	- 2P1D
Série Series	Tiroir Spool	Connexion Connection	Grosueur Size	Solénoid Coil type	Design	Enseigne Nameplate	Piloté et drain Pilot and drain
DSHG	Voir sélection See selection	Omit Boîte de jonction Terminal box N Connecteur DIN DIN connector	04 1/2" 06 3/4" 10 1-1/4"	A1 AC100V-AC110V A2 AC200V-AC220V A4 AC220V D1 DC12V D2 DC24V R1 RAC100 R2 RAC200	30 IP65 40 IP67	90 Enseigne Hystar Nameplate 95 Enseigne Canimex Nameplate	1P1D Piloté interne/drain interne Internal pilot/internal drain 1P2D Piloté interne/drain externe Internal pilot/external drain 2P1D Piloté externe/drain interne External pilot/internal drain 2P2D Piloté externe/drain externe External pilot/external drain

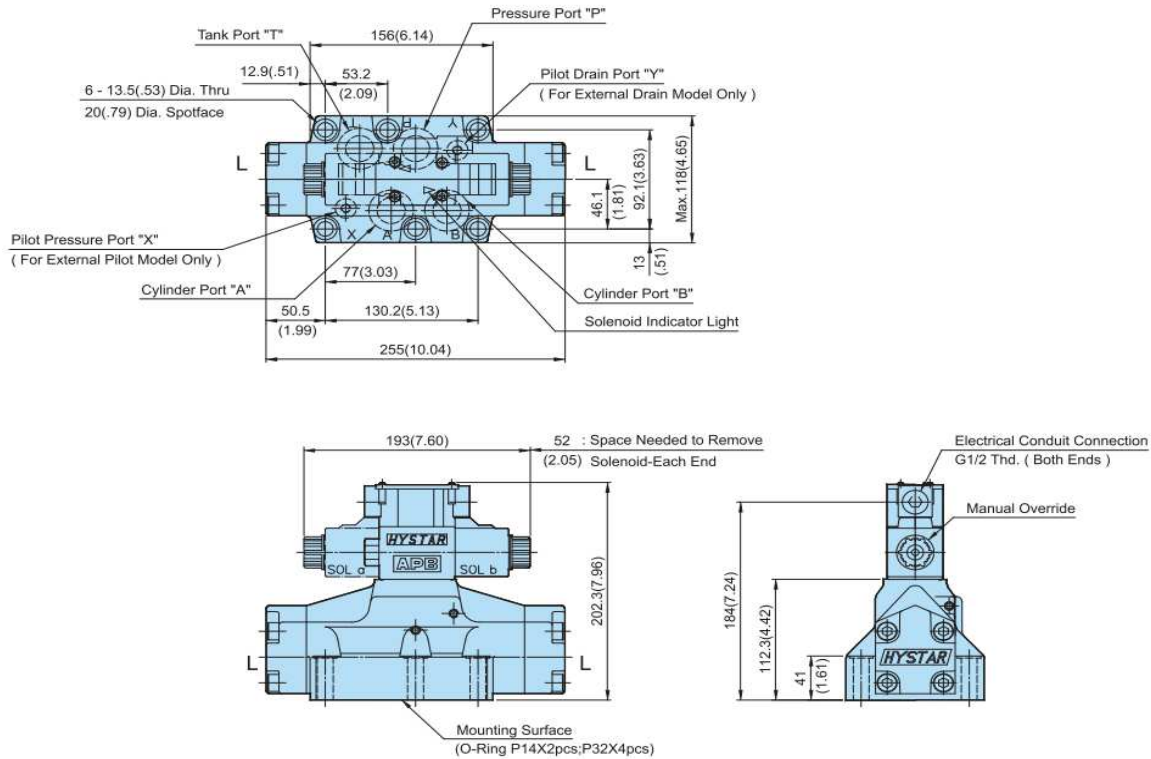
DSHG-03



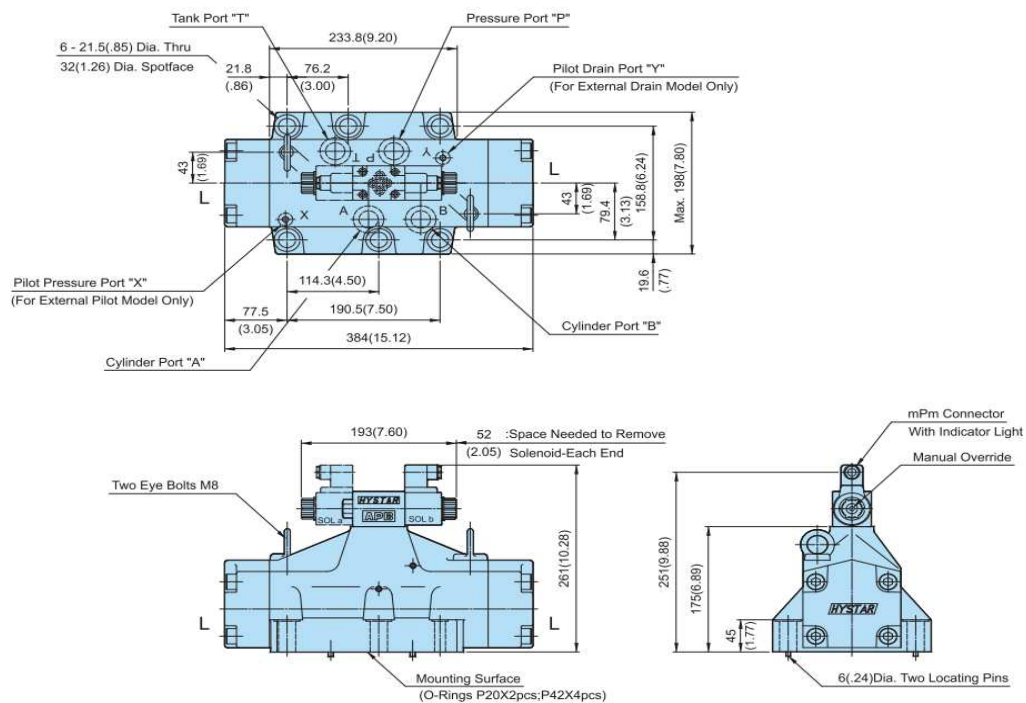
DSHG-04



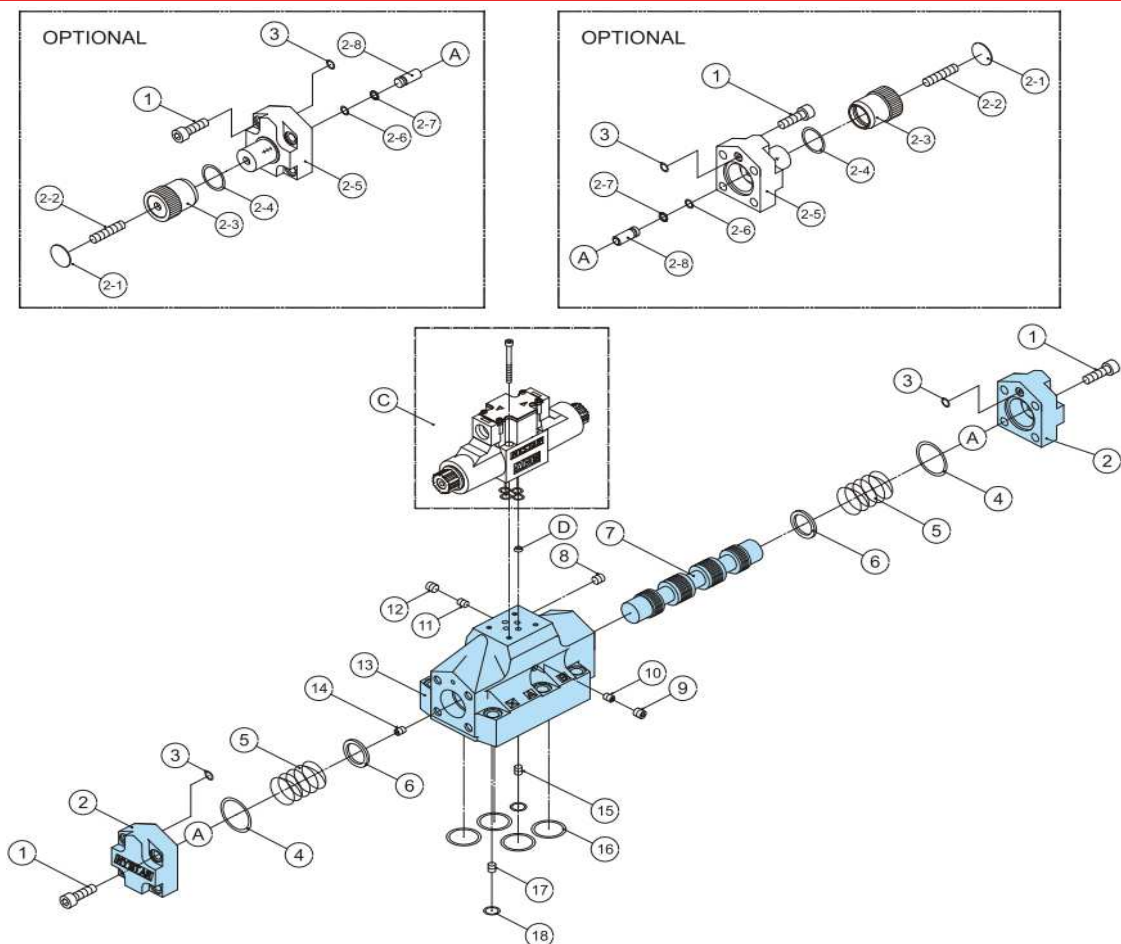
DSHG-06



DSHG-10



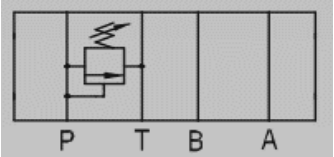
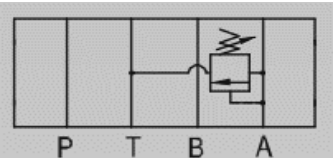
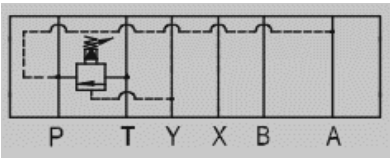
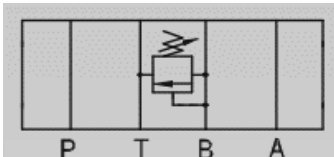
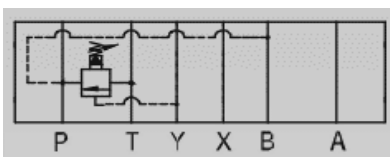
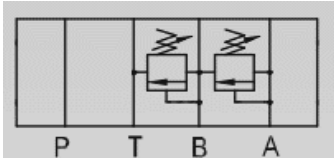
DSHG



No	Description	
1	Vis	Screw
2	Couvert du côté	Side cover
3	Joint torique	O-ring
4	Joint torique	O-ring
5	Ressort	Spring
6	Rondelle	Washer
7	Tiroir	Spool
8	Bouchon	Plug
9	Bouchon	Plug
10	Bouchon	Plug
11	Bouchon	Plug
12	Bouchon	Plug
13	Corps	Body
14	Bouchon	Plug
15	Bouchon	Plug
16	Joint torique	O-ring
17	Joint torique	O-ring
18	Bouchon	Plug
A	Électro-valve	Solenoid valve
D	Orifice sur P	Restrictor on P
C	Distributeur de pilotage	Pilot valve

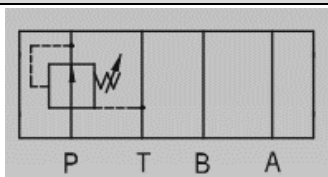
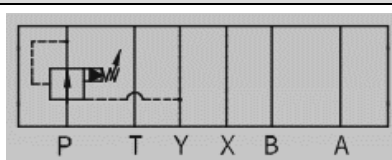
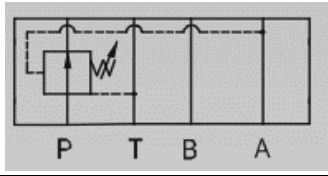
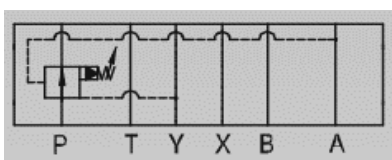
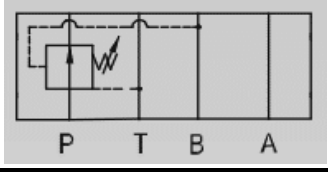
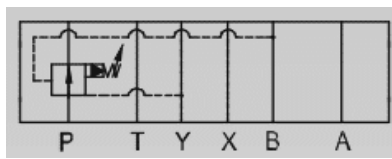
MBP-MBA-MBB-MBW

Modèle Model	Pression max en opération Max operating pressure bar (psi)	Débit maximal Maximum flow lpm (gpm)	Grosueur Size	Poids Weight kg (lbs)
MB*-01-	250 (3600)	50 (13.2)	1/8"	1.1 (2.4)
MB*-03-	250 (3600)	100 (26.5)	3/8"	3.8 (8.3)
MB*-04-	250 (3600)	190 (50.2)	1/2"	7.0 (15.4)
MB*-06-	250 (3600)	300 (79.3)	3/4"	11.2 (24.6)

Modèles & Symboles Models & Symbols		Modèles & Symboles Models & Symbols	
MBP-01 (03)		MBP-04 (06)	
MBA-01 (03)		MBA-04 (06)	
MBB-01 (03)		MBB-04 (06)	
MBW-01 (03)			

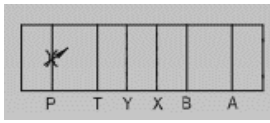
MRP-MRA-MRB

Modèle Model	Pression max en opération Max operating pressure bar (psi)	Débit maximal Maximum flow lpm (gpm)	Grosueur Size	Poids Weight kg (lbs)
MR*-01-	250 (3600)	50 (13.2)	1/8"	1.1 (2.4)
MR*-03-	250 (3600)	100 (26.5)	3/8"	3.8 (8.3)
MR*-04-	250 (3600)	190 (50.2)	1/2"	7.0 (15.4)
MR*-06-	250 (3600)	300 (79.3)	3/4"	11.2 (24.6)

Modèles & Symboles Models & Symbols		Modèles & Symboles Models & Symbols	
MRP-01 (03)		MRP-04 (06)	
MRA-01 (03)		MRA-04 (06)	
MRB-01 (03)		MRB-04 (06)	

MSP

Modèle Model	Pression max en opération Max operating pressure bar (psi)	Débit maximal Maximum flow lpm (gpm)	Grosueur Size	Poids Weight kg (lbs)
MSP-01	250 (3600)	50 (13.2)	1/8"	1.2 (2.6)
MSP-03	250 (3600)	100 (26.5)	3/8"	2.8 (6.1)
MSP-04	250 (3600)	190 (50.2)	1/2"	7.0 (15.4)
MSP-06	250 (3600)	300 (79.3)	3/4"	11.2 (24.6)

Modèles & Symboles Models & Symbols		Modèles & Symboles Models & Symbols	
MSP-01 (03)		MSP-04 (06)	

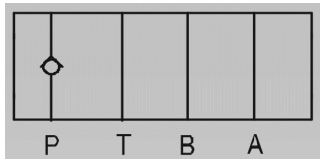
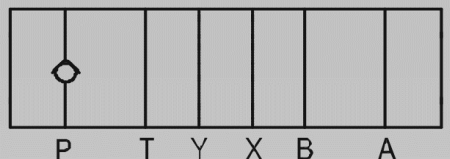
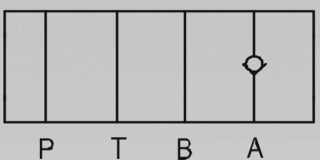
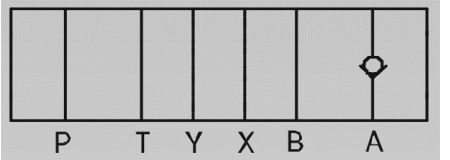
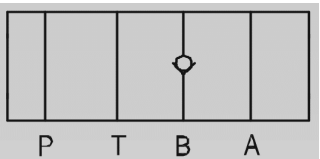
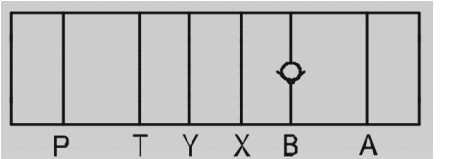
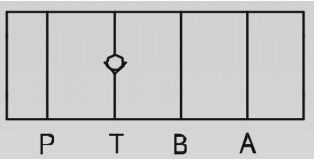
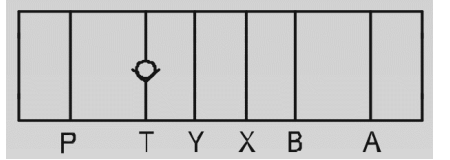
MSA-MSB-MSW

Modèle Model	Pression max en opération Max operating pressure bar (psi)	Débit maximal Maximum flow lpm (gpm)	Grosueur Size	Poids Weight kg (lbs)
MS*-01-*	250 (3600)	50 (13.2)	1/8"	1.5 (3.3)
MS*-03-*	250 (3600)	100 (26.5)	3/8"	3.7 (8.1)
MS*-04-*	250 (3600)	190 (50.2)	1/2"	7.0 (15.4)
MS*-06-*	250 (3600)	300 (79.3)	3/4"	12.2 (26.8)

Modèles & Symboles Models & Symbols		Modèles & Symboles Models & Symbols	
MSA-01 (03)- X		MSA-04 (06)- X	
MSB-01 (03)- X		MSB-04 (06)- X	
MSW-01 (03)- X		MSW-04 (06)- X	
MSA-01 (03)- Y		MSA-04 (06)- Y	
MSB-01 (03)- Y		MSB-04 (06)- Y	
MSW-01 (03)- Y		MSW-04 (06)- Y	

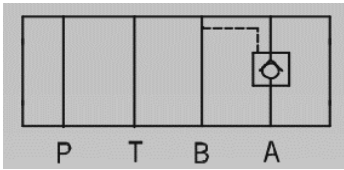
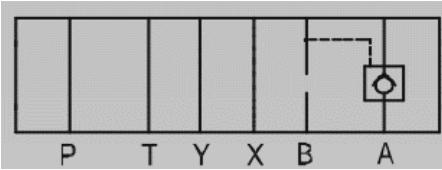
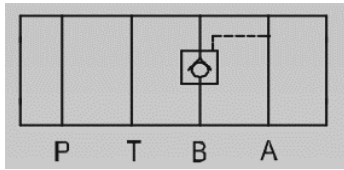
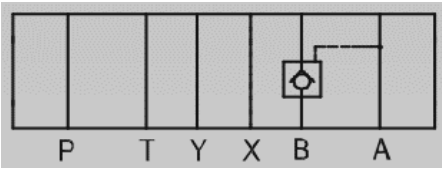
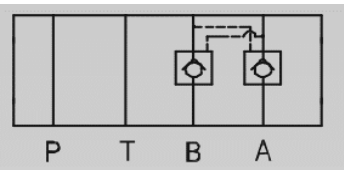
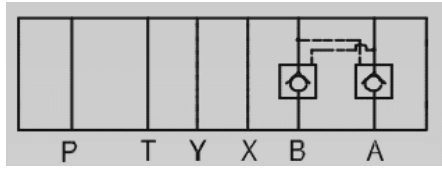
MCP-MCA-MCB-MCT

Modèle Model	Pression max en opération Max operating pressure bar (psi)	Débit maximal Maximum flow lpm (gpm)	Grosueur Size	Poids Weight kg (lbs)
MC*-01-*	250 (3600)	50 (13.2)	1/8"	1.1 (2.4)
MC*-03-*	250 (3600)	100 (26.5)	3/8"	2.8 (6.1)
MC*-04-*	250 (3600)	190 (50.2)	1/2"	7.0 (15.4)
MC*-06-*	250 (3600)	300 (79.3)	3/4"	11.0 (24.2)

Modèles & Symboles Models & Symbols		Modèles & Symboles Models & Symbols	
MCP-01 (03)		MCP-04 (06)	
MCA-01 (03)		MCA-04 (06)	
MCB-01 (03)		MCB-04 (06)	
MCT-01 (03)		MCT-04 (06)	

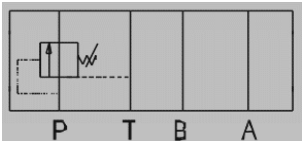
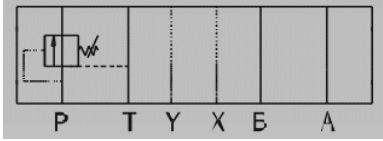
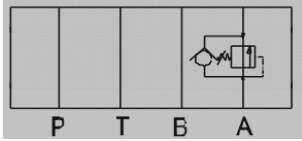
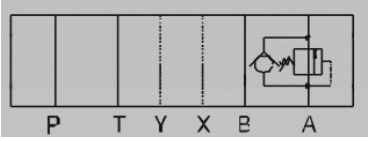
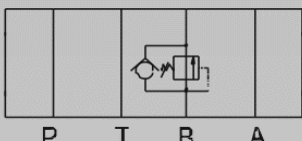
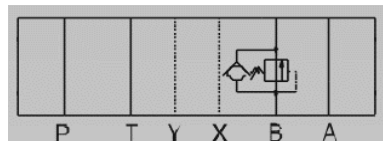
MPA-MPB-MPW

Modèle Model	Pression max en opération Max operating pressure bar (psi)	Débit maximal Maximum flow lpm (gpm)	Grosueur Size	Poids Weight kg (lbs)
MP*-01-*	250 (3600)	50 (13.2)	1/8"	1.2 (2.6)
MP*-03-*	250 (3600)	100 (26.5)	3/8"	3.7 (8.1)
MP*-04-*	250 (3600)	190 (50.2)	1/2"	7.0 (15.4)
MP*-06-*	250 (3600)	300 (79.3)	3/4"	11.2 (24.6)

Modèles & Symboles Models & Symbols		Modèles & Symboles Models & Symbols	
MPA-01 (03)		MPA-04 (06)	
MPB-01 (03)		MPB-04 (06)	
MPW-01 (03)		MPW-04 (06)	

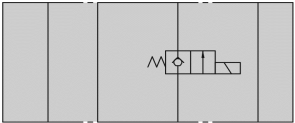
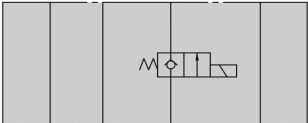
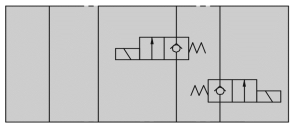
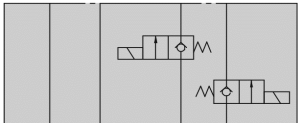
MHP-MHA-MHB

Modèle Model	Pression max en opération Max operating pressure bar (psi)	Débit maximal Maximum flow lpm (gpm)	Grosseur Size	Poids Weight kg (lbs)
MH*-01-*	250 (3600)	50 (13.2)	1/8"	1.1 (2.4)
MH*-03-*	250 (3600)	100 (26.5)	3/8"	3.8 (8.3)
MH*-04-*	250 (3600)	190 (50.2)	1/2"	7.0 (15.4)
MH*-06-*	250 (3600)	300 (79.3)	3/4"	11.0 (24.2)

Modèles & Symboles Models & Symbols		Modèles & Symboles Models & Symbols	
MHP-01 (03)		MHP-04 (06)	
MHA-01 (03)		MHA-04 (06)	
MHB-01 (03)		MHB-04 (06)	

MSCA-MCSB-MCSW

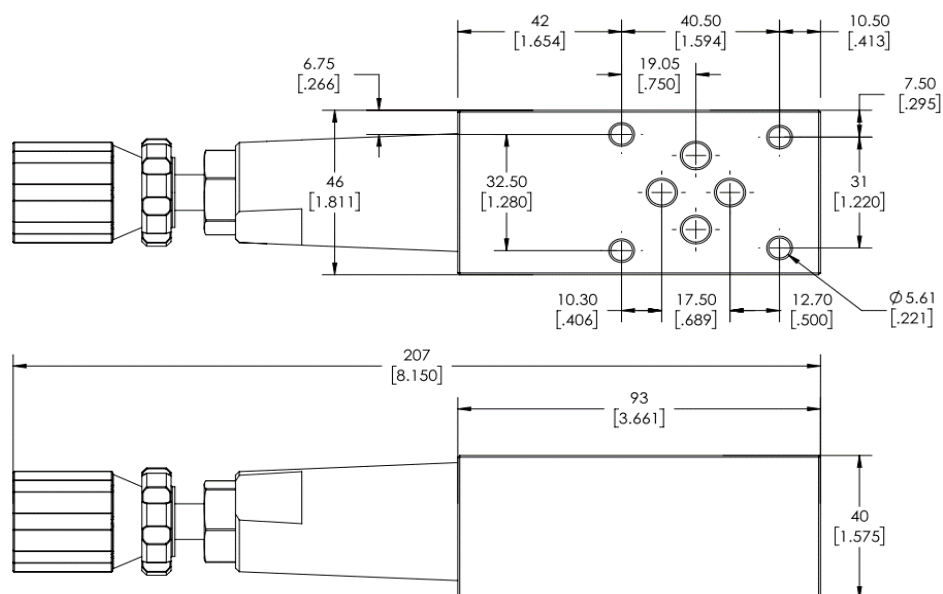
Modèle Model	Pression max en opération Max operating pressure bar (psi)	Débit maximal Maximum flow lpm (gpm)	Grosueur Size	Température d'opération Operating temperature	Poids Weight kg (lbs)
MSCA-01/MCSB-01	210 (3000)	20 (5.28)	1/8"	-20°C-120°C -4°F - 248 °F	1.0 (2.2) Avec bobine With coil
MSCA-03/MCSB-03	210 (3000)	40 (10.5)	3/8"	-20°C-120°C -4°F - 248 °F	2.8 (6.2) Avec bobine With coil
MSCW-01	210 (3000)	20 (5.28)	1/8"	-20°C-120°C -4°F - 248 °F	1.3 (2.86) Avec bobine With coil
MSCW-03	210 (3000)	40 (10.5)	3/8"	-20°C-120°C -4°F - 248 °F	3.5 (7.7) Avec bobine With coil

Modèles & Symboles Models & Symbols		Modèles & Symboles Models & Symbols	
MSCA-01		MSCA-03	
MCSB-01		MCSB-03	
MSCW-01		MSCW-03	

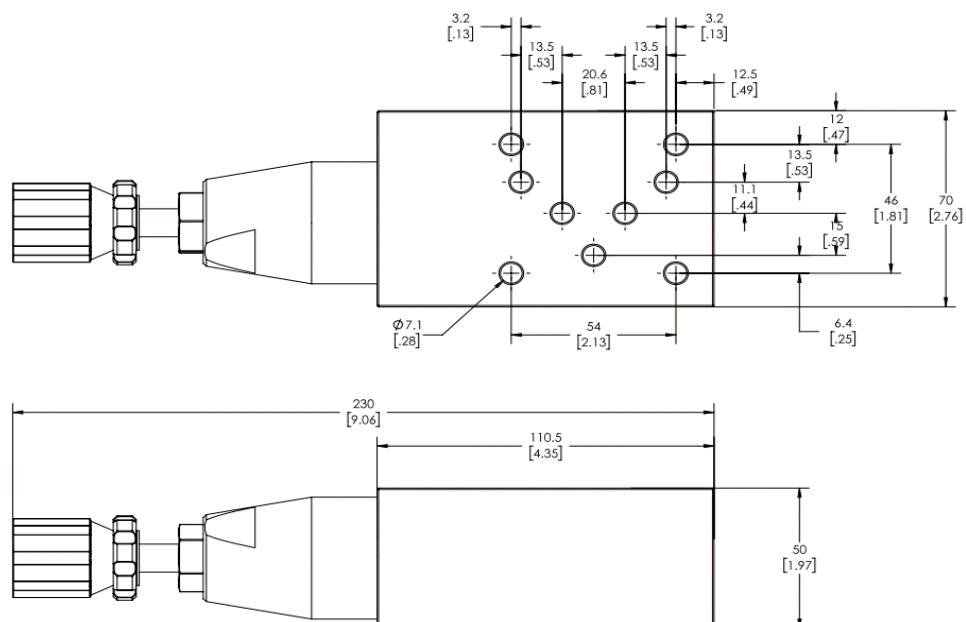
NOMENCLATURE / DESCRIPTION

MB	P	- 01	- C	- C	- A1	- 2090
Série Series	Ligne de contrôle Control line	Grosueur Size	Configuration	Pression Pressure	Solénoid Coil type	Design
MB Limiteur de pression Relief valve	P Port P A Port A B Port B W Port A & B	01 NFPA-D03 03 NFPA-D05 04 NFPA-D07 06 NFPA-D08	Rien Omit	0 0.35 bar	Rien Omit	2090 3090
MR Réducteur de pression Reducing valve			X Meter-out Y Meter-in	2 2 bar		
MS Contrôle de débit Throttle valve				4 4 bar		
MC Valve anti-retour Check valve			Rien Omit	N 6 - 18 bar		
MP Valve anti-retour piloté Pilot operated check valve				A 18 - 35 bar		
MH Valve séquence ou contre-balance Sequence or counterbalance valve				B 35 - 70 bar		
MSC Anti-retour électrique Solenoid check valve				C 70 - 250 bar		
				L 5 - 50 bar	A1 AC100V-AC110V D1 DC12V D2 DC24V	2290
				B 3 - 70 bar		
				C 8 - 140 bar		
				H 35 - 140 bar		
				70 - 210 bar		
				50 - 250 bar		

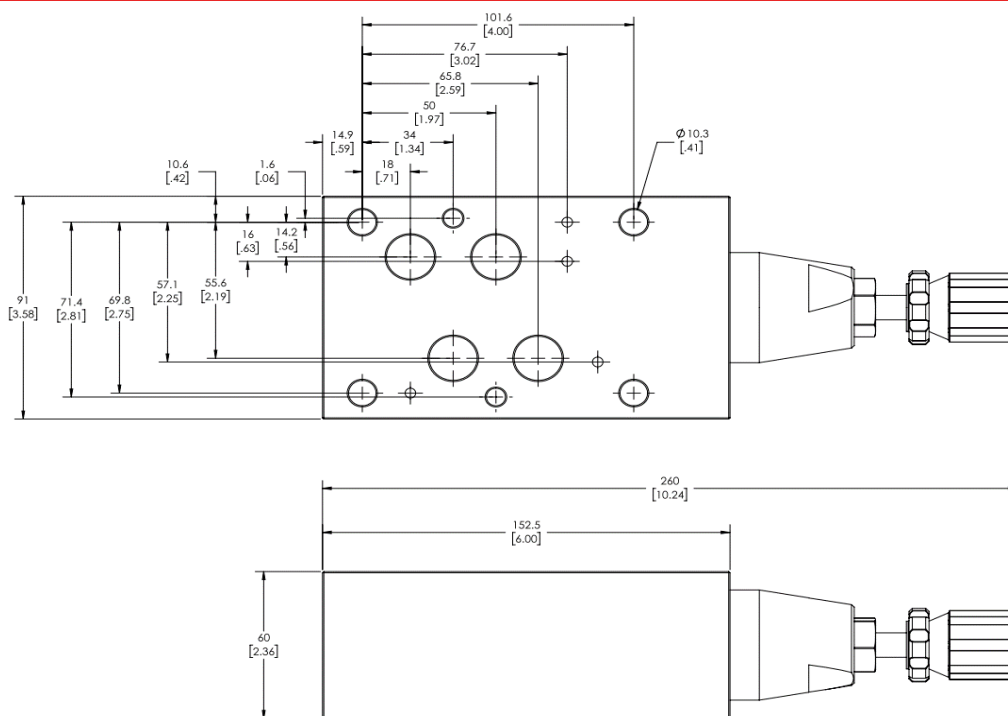
MB*-01



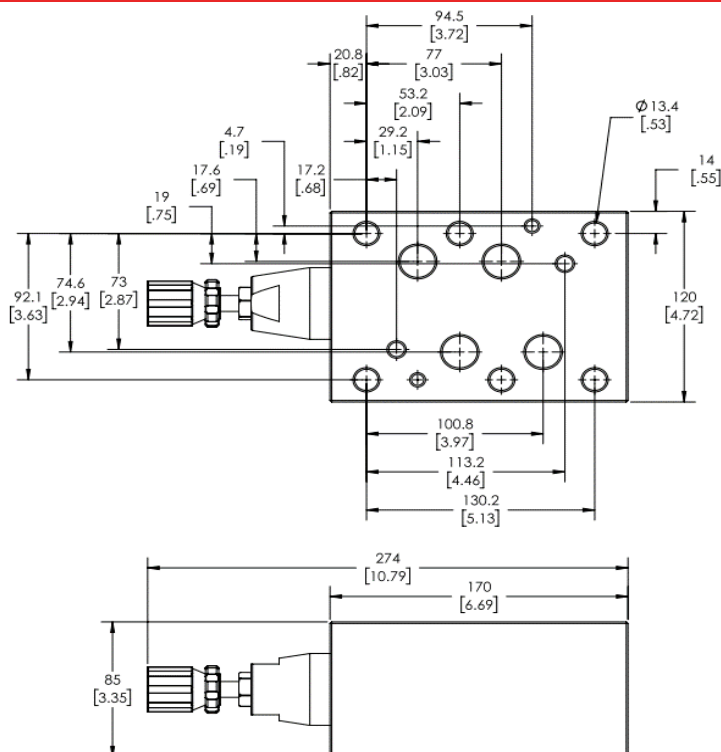
MB*-03



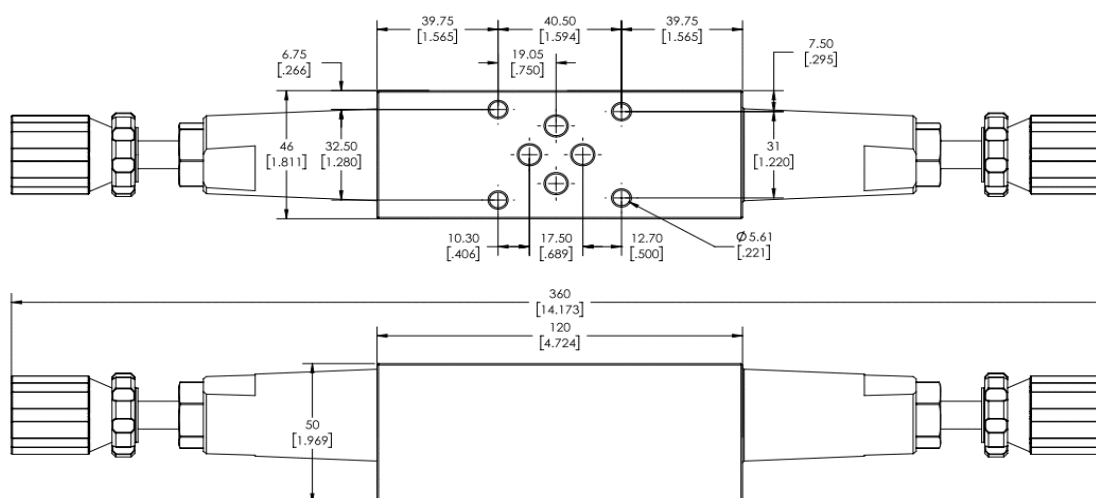
MB*-04



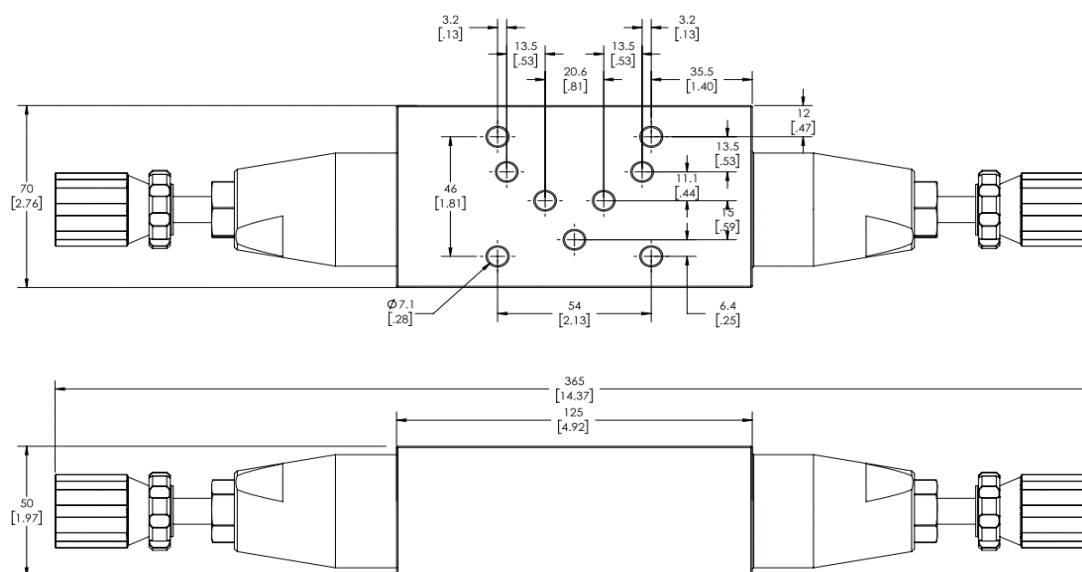
MB*-06



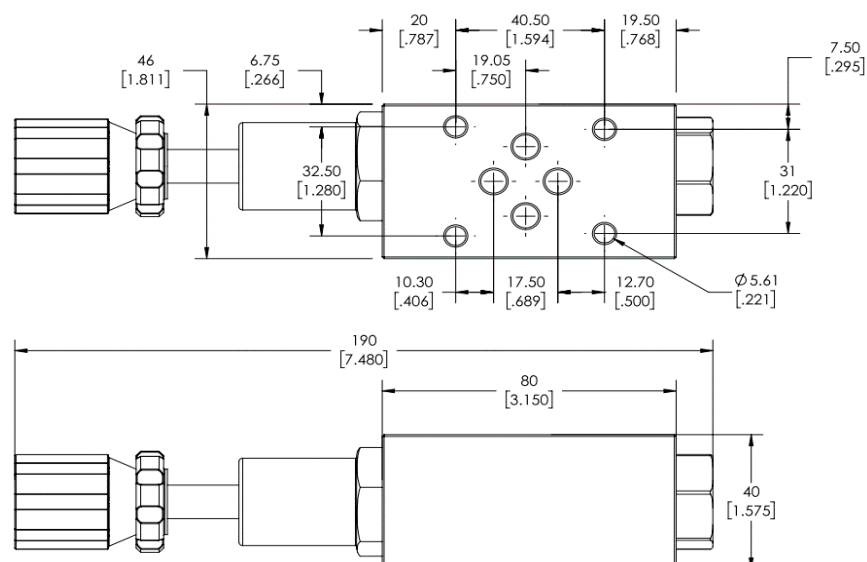
MBW-01



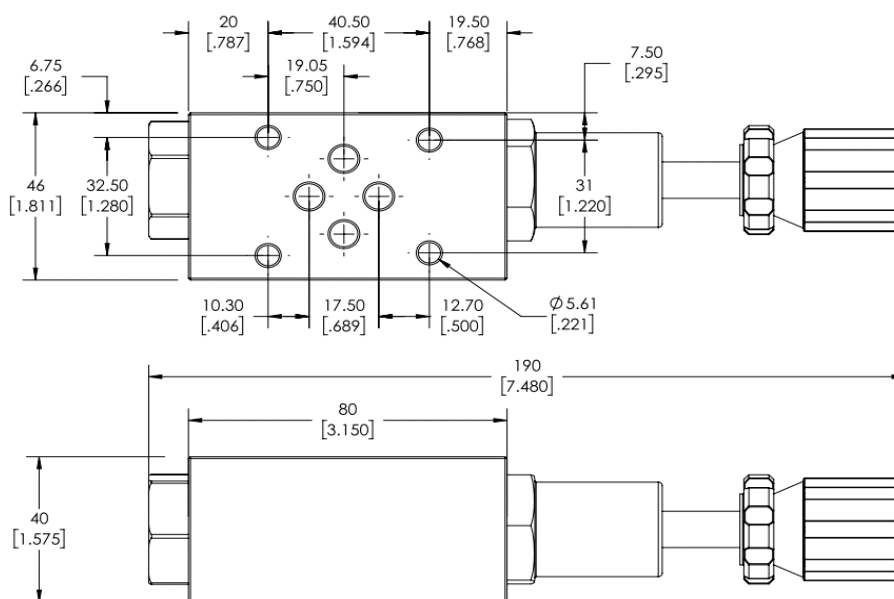
MBW-03



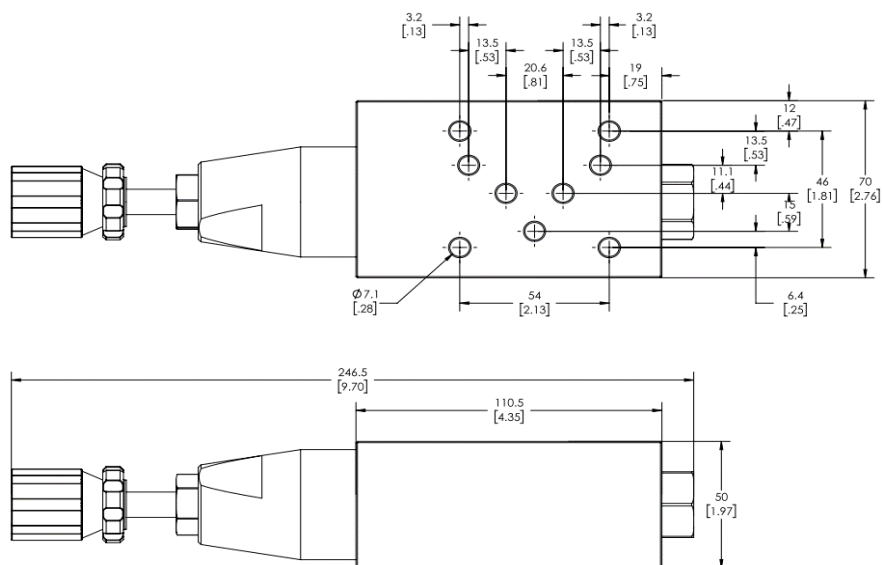
MRA-01



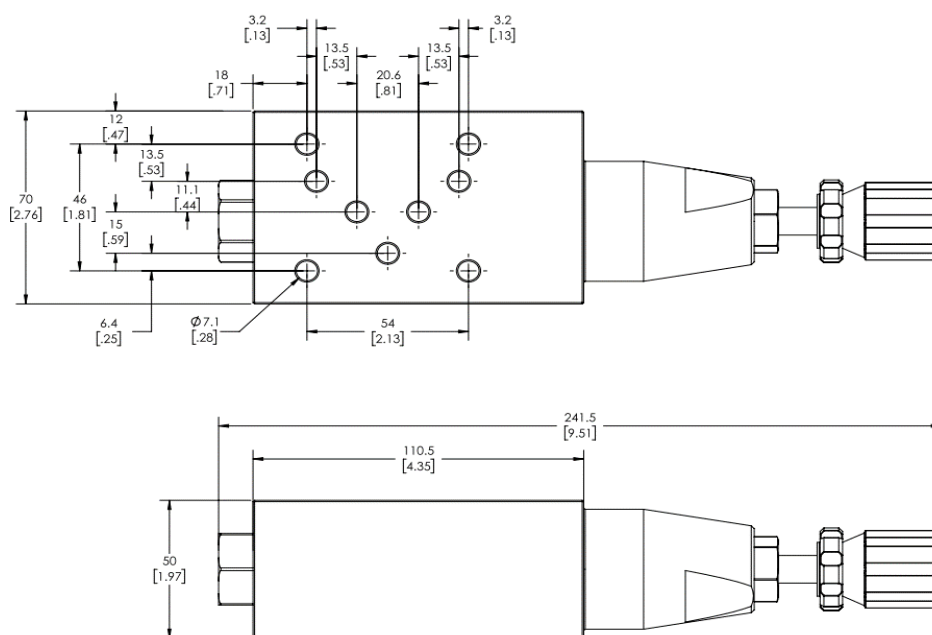
MRB-01



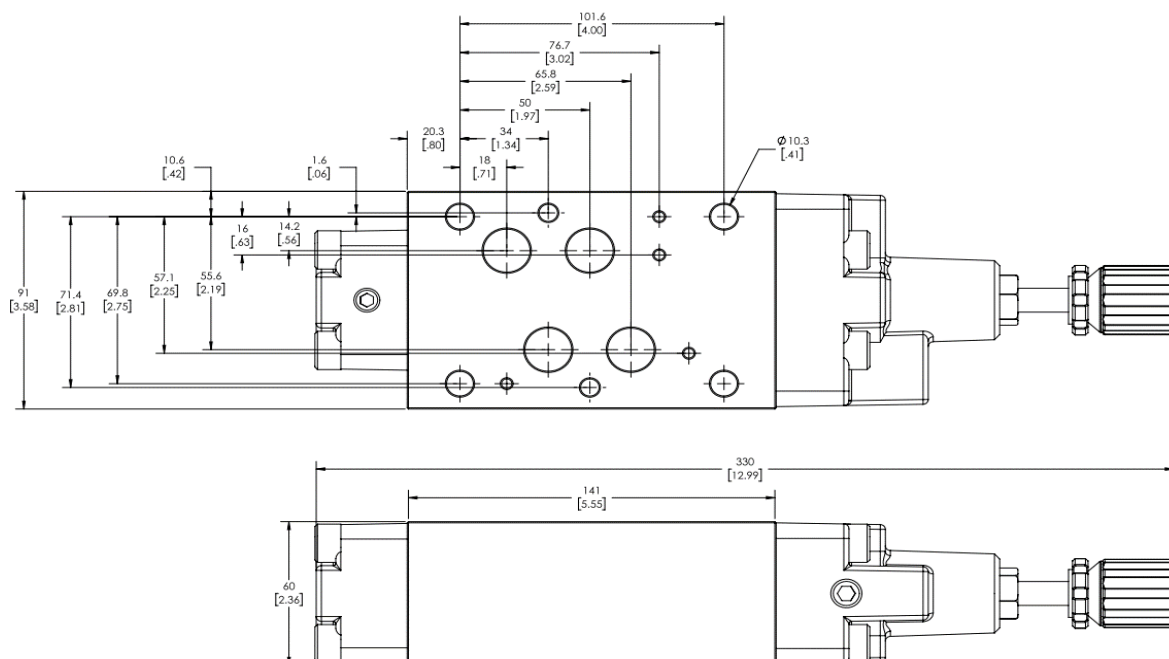
MRA-03



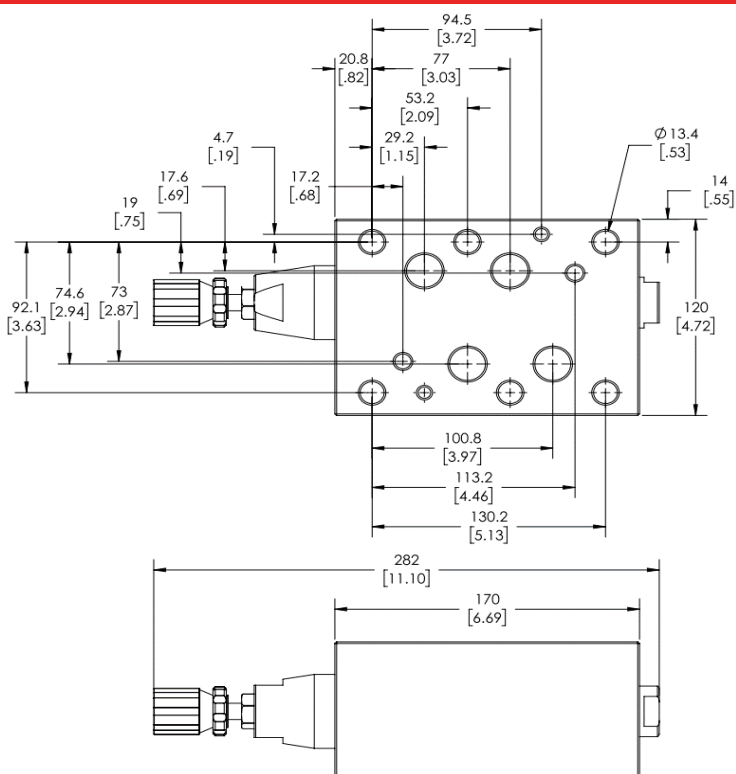
MRB-03



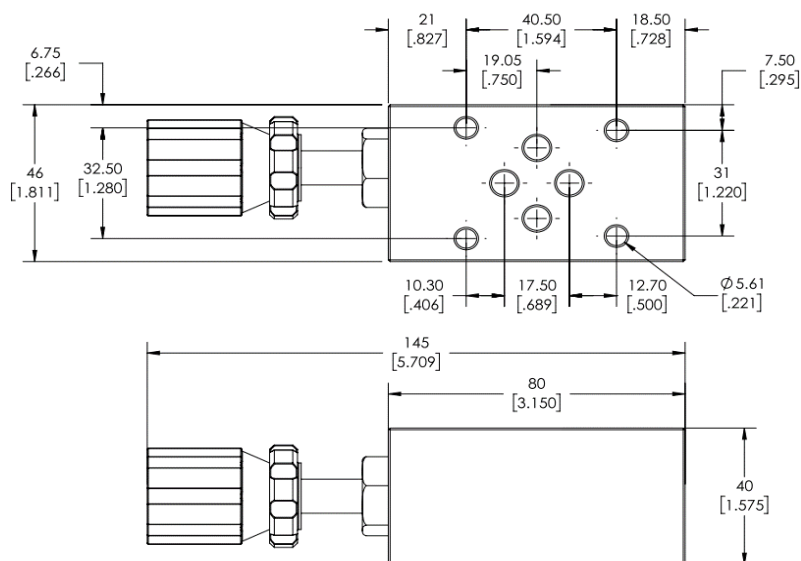
MR*-04



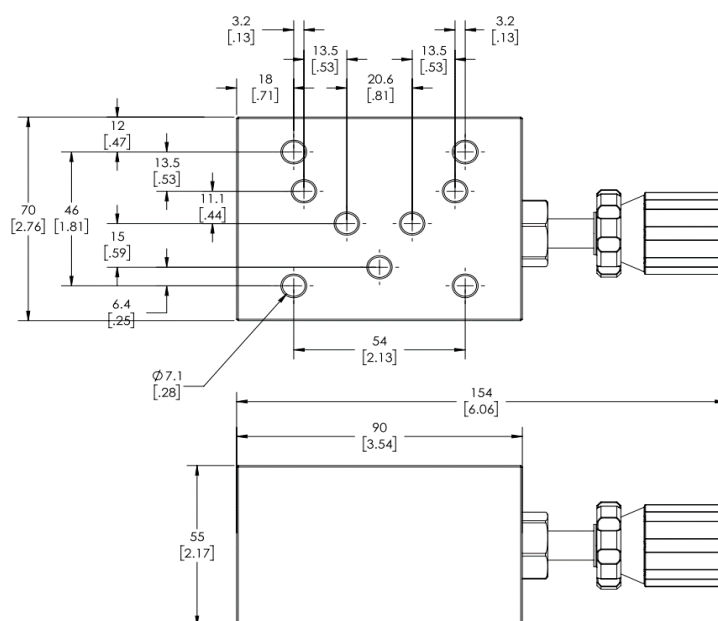
MR*-06



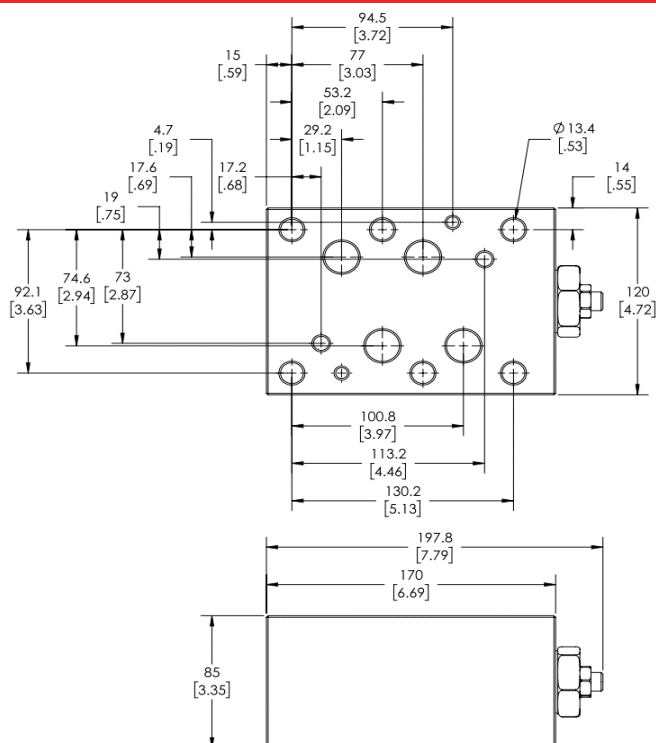
MSP-01



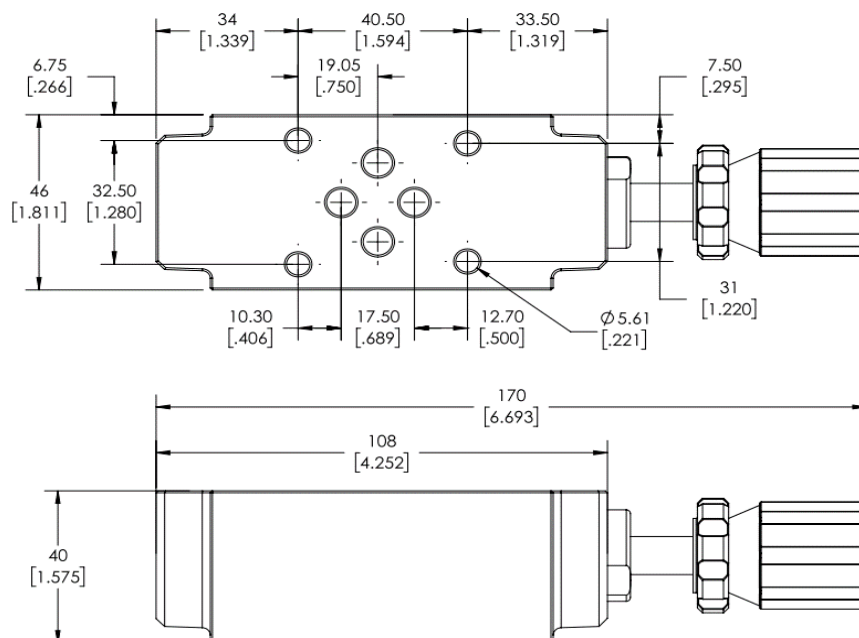
MSP-03



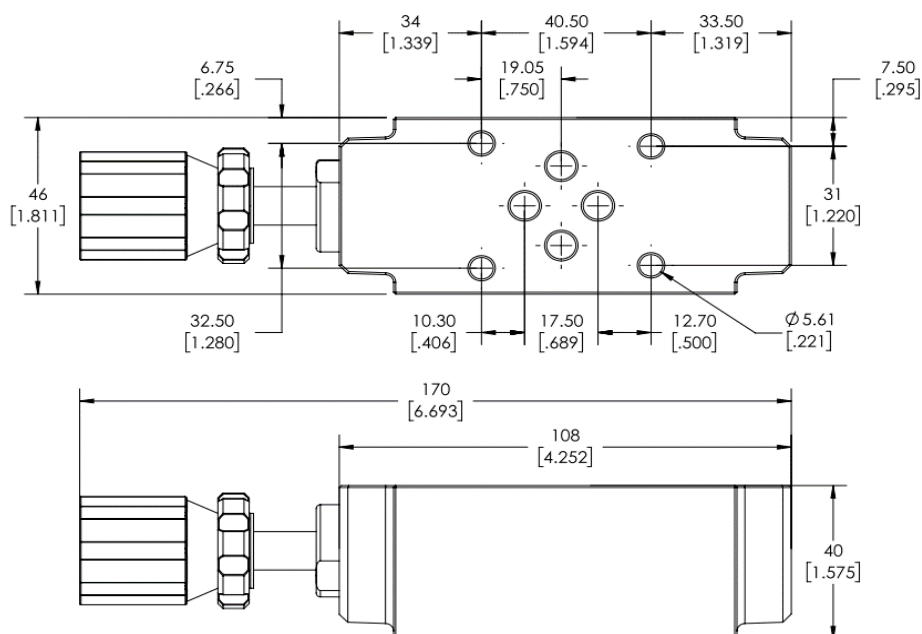
MSP-06



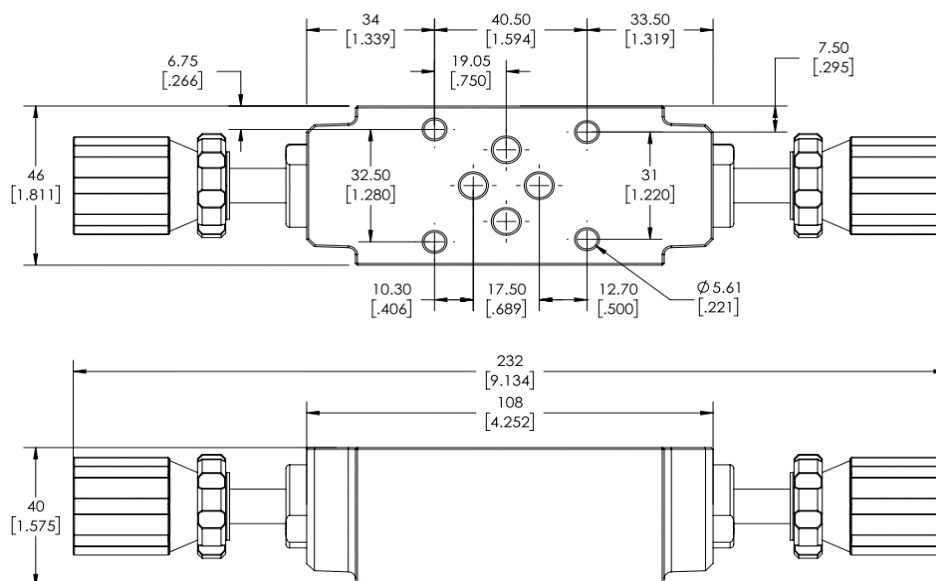
MSA-01



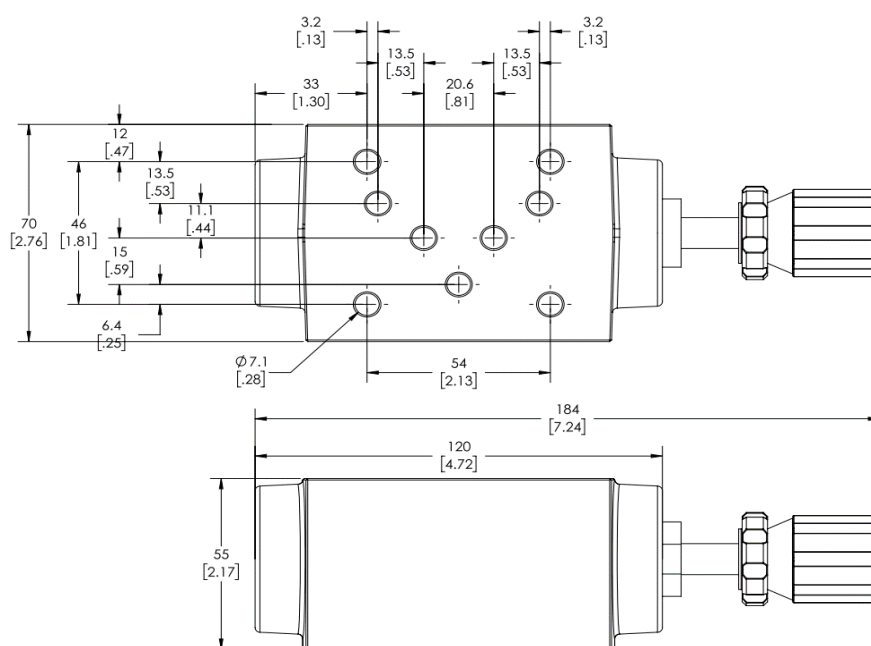
MSB-01



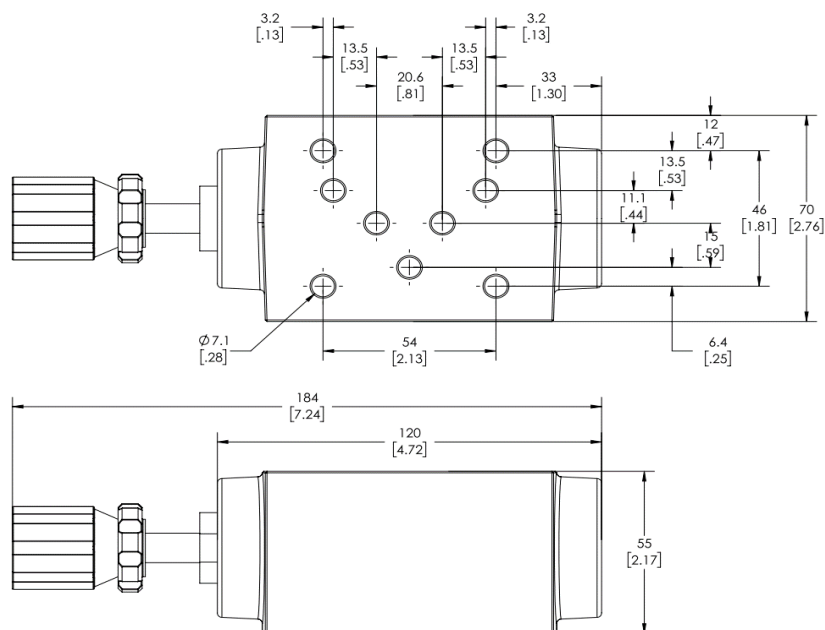
MSW-01



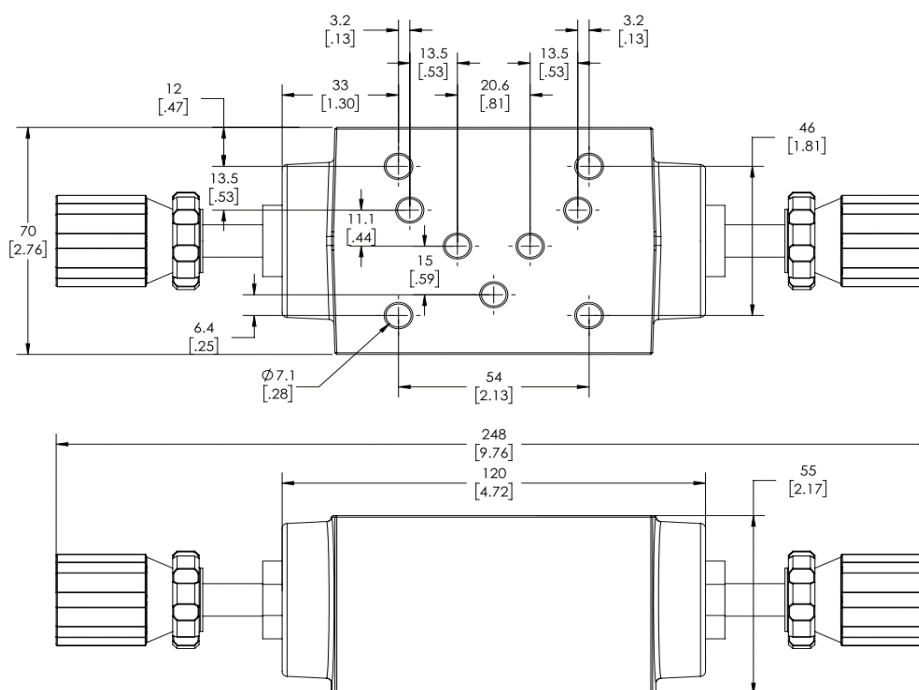
MSA-03



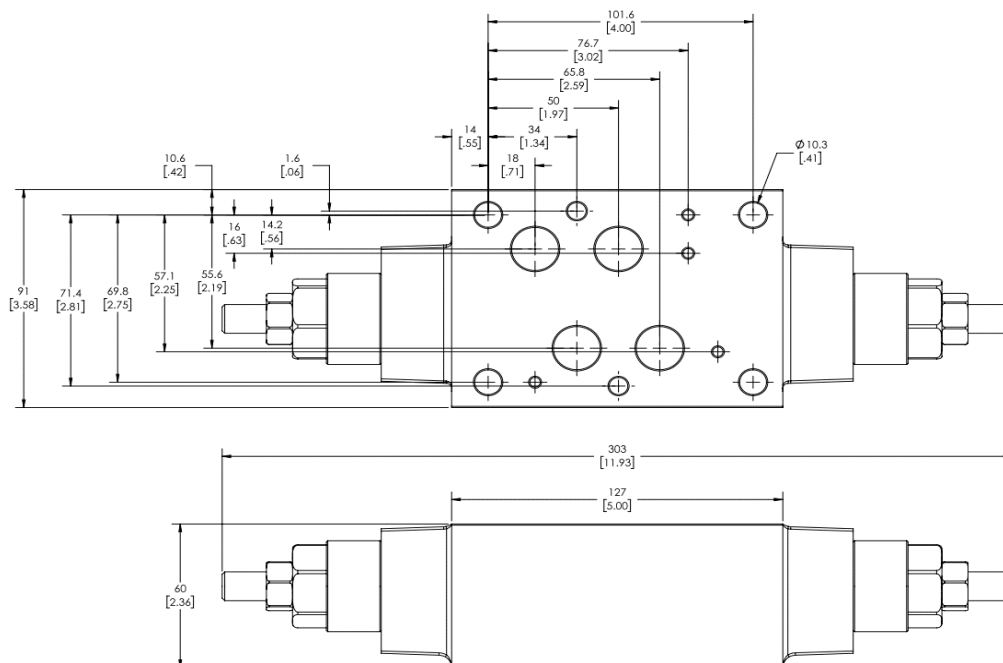
MSB-03



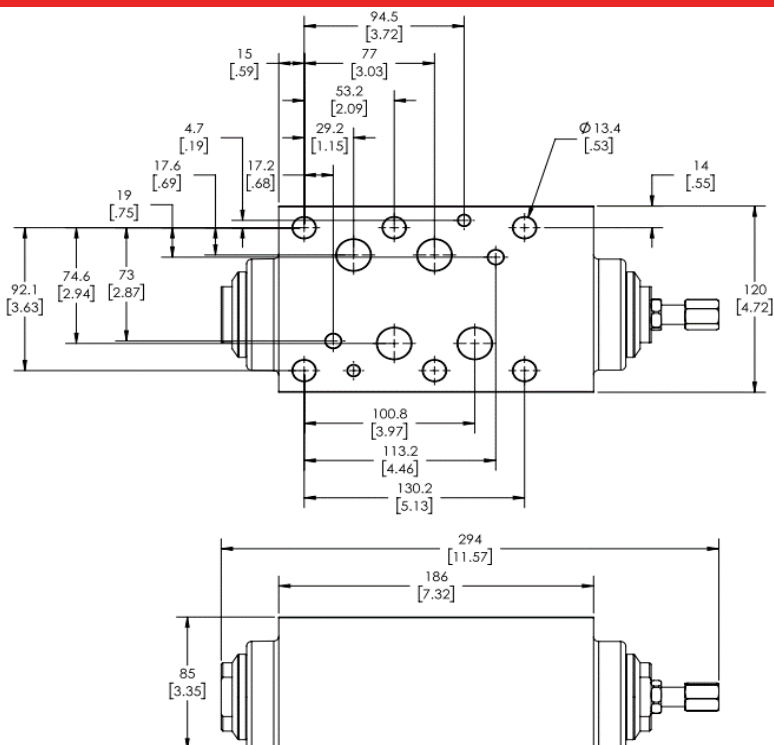
MSW-03



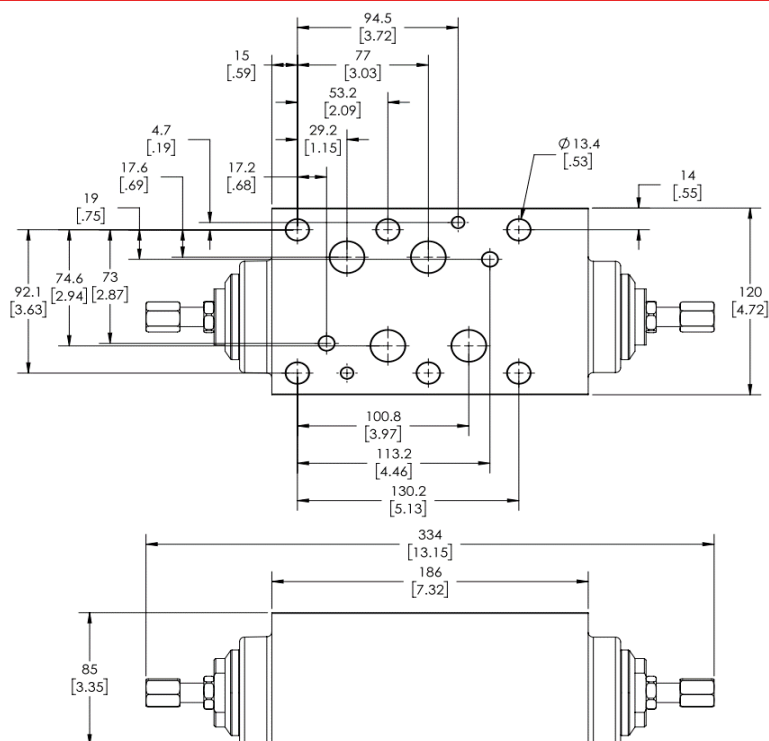
MSW-04



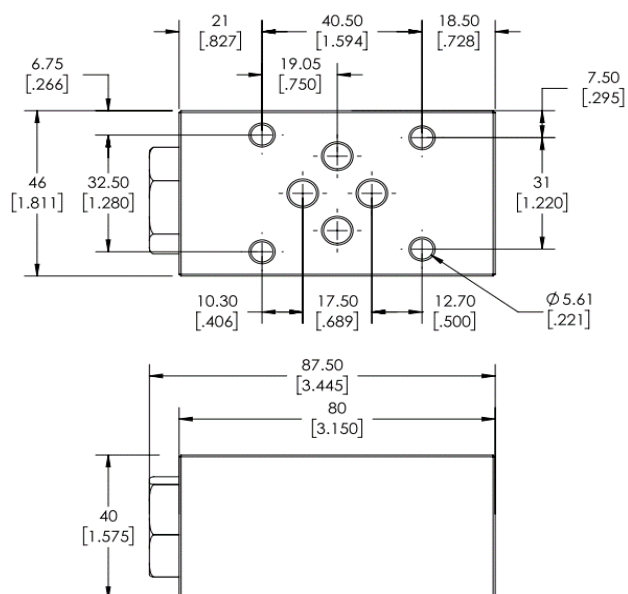
MSB-06



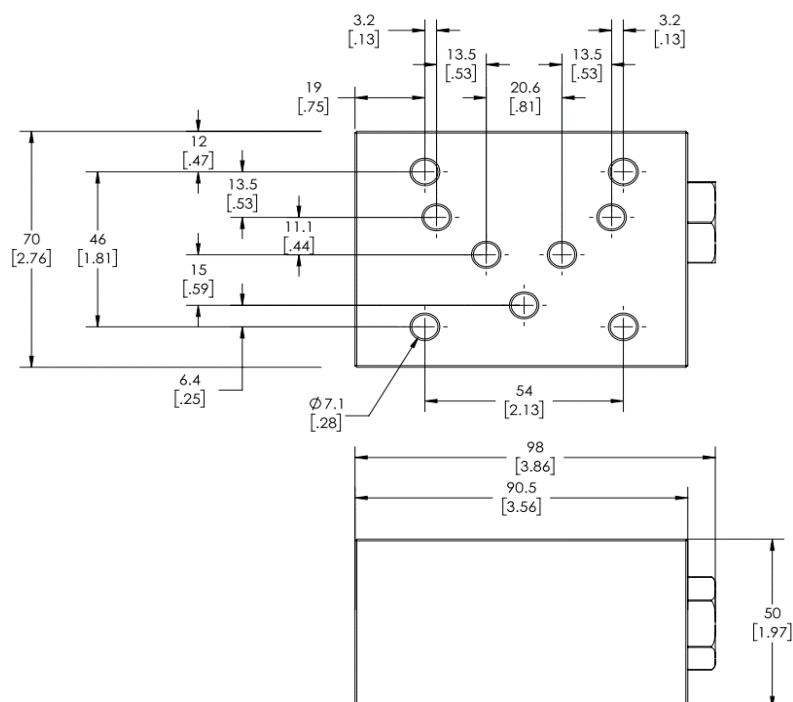
MSW-06



MC*-01



MC*-03



Technical drawing of a rectangular plate with dimensions in mm and inches. The drawing shows the front and side views of the plate.

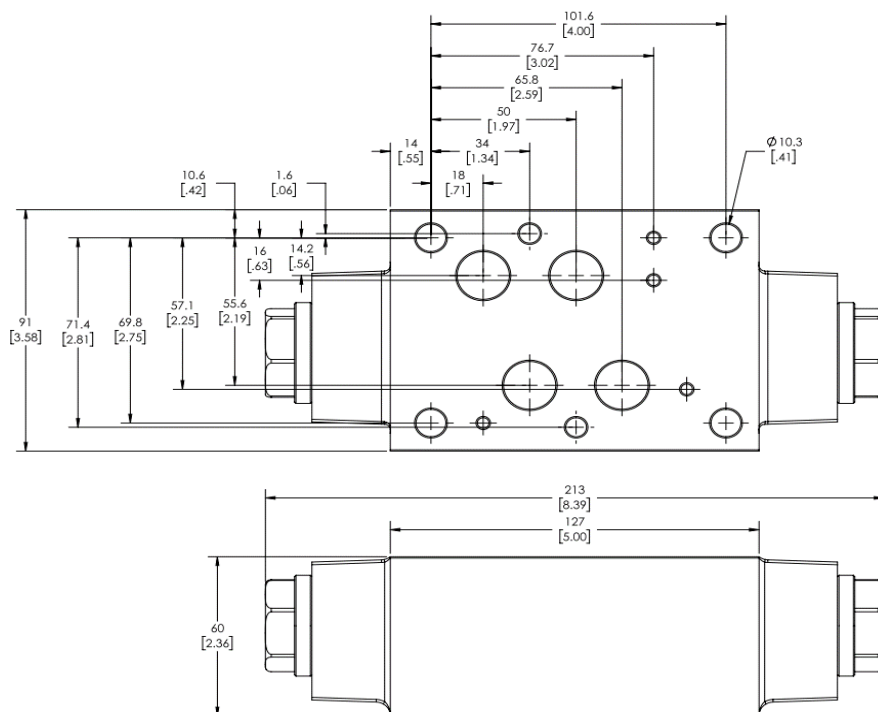
Front View Dimensions:

- Overall width: 121 [4.764]
- Overall height: 46 [1.811]
- Top flange thickness: 6.75 [.266]
- Bottom flange thickness: 7.50 [.295]
- Distance from left edge to first hole center: 34 [1.339]
- Distance between first and second hole centers: 40.50 [1.594]
- Distance between second and third hole centers: 32.50 [1.280]
- Distance from right edge to third hole center: 32.50 [1.280]
- Distance from left edge to second hole center: 19.05 [.750]
- Distance from left edge to third hole center: 10.30 [.406]
- Distance between third and fourth hole centers: 17.50 [.689]
- Distance between fourth and fifth hole centers: 12.70 [.500]
- Distance from right edge to fifth hole center: 12.70 [.500]
- Hole diameter: $\varnothing 5.61$ [.221]
- Distance from top edge to hole center line: 32.50 [1.280]
- Distance from bottom edge to hole center line: 31 [1.220]

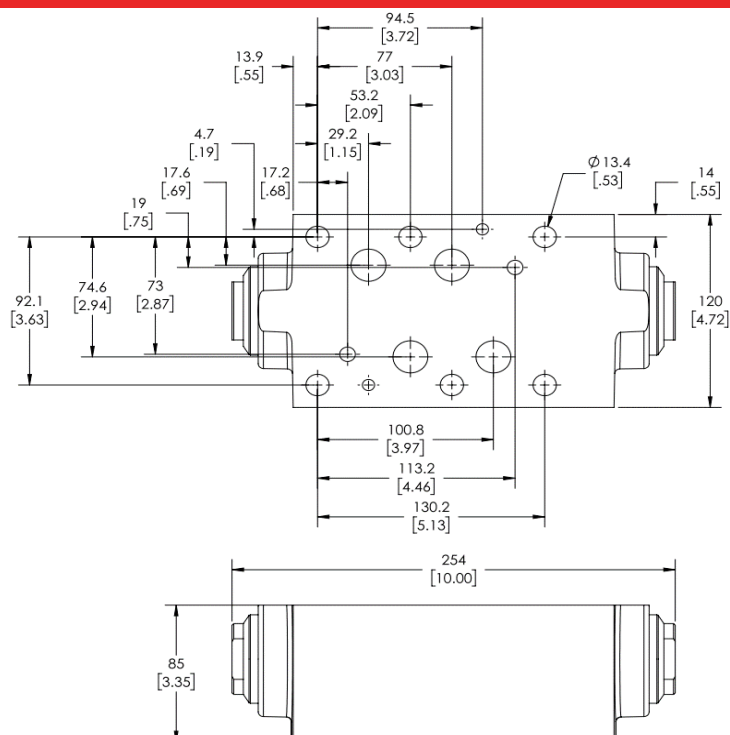
Side View Dimensions:

- Overall width: 121 [4.764]
- Overall height: 40 [1.575]
- Distance from left edge to first hole center: 107 [4.213]

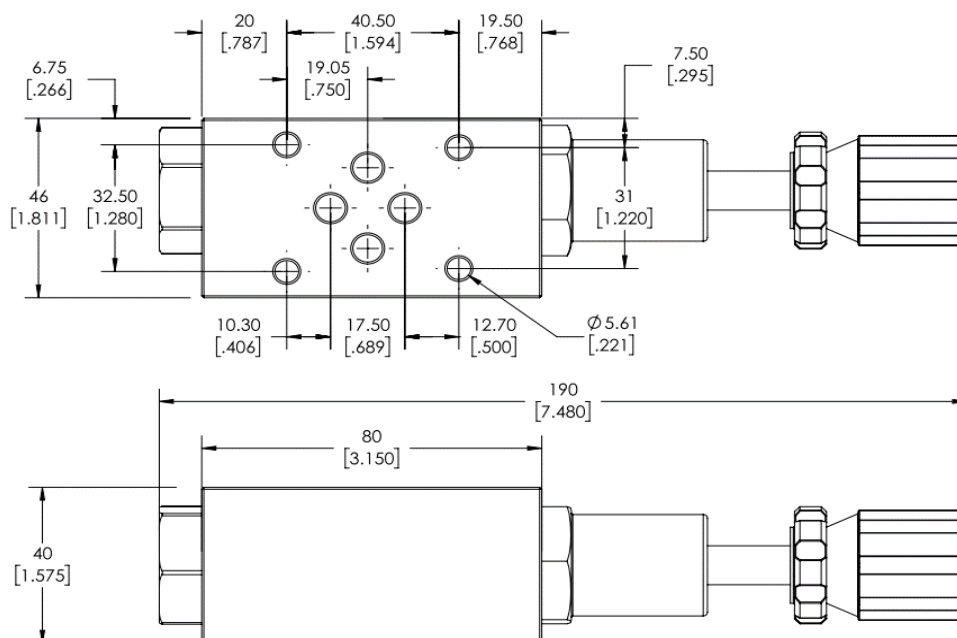
MP*-04



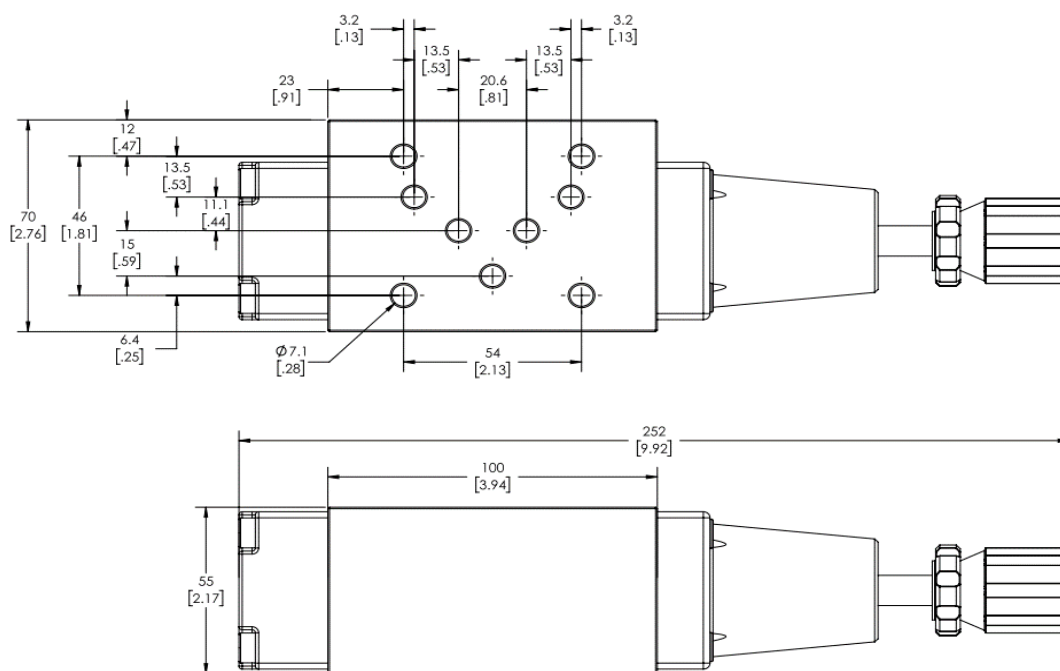
MP*-06



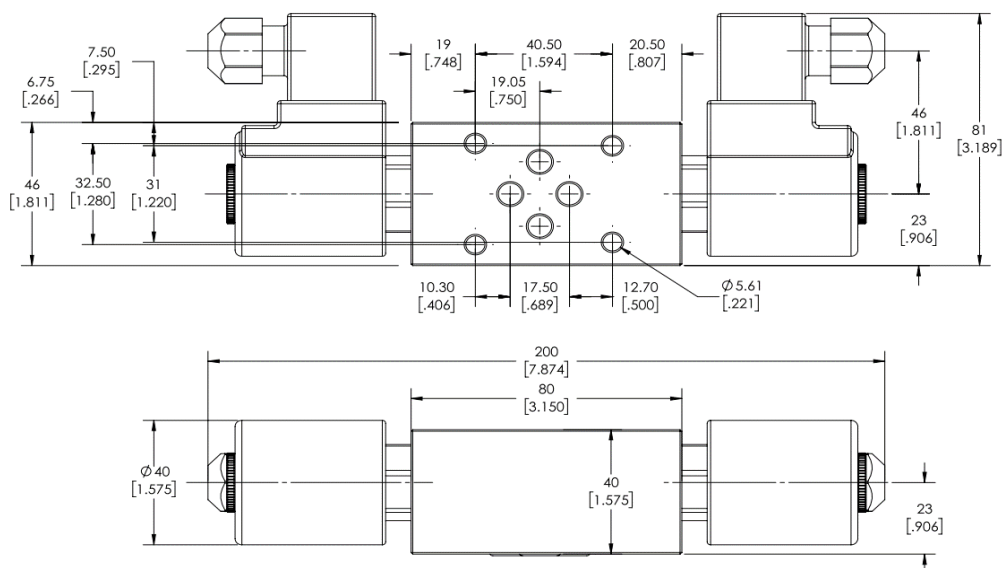
MHP-01



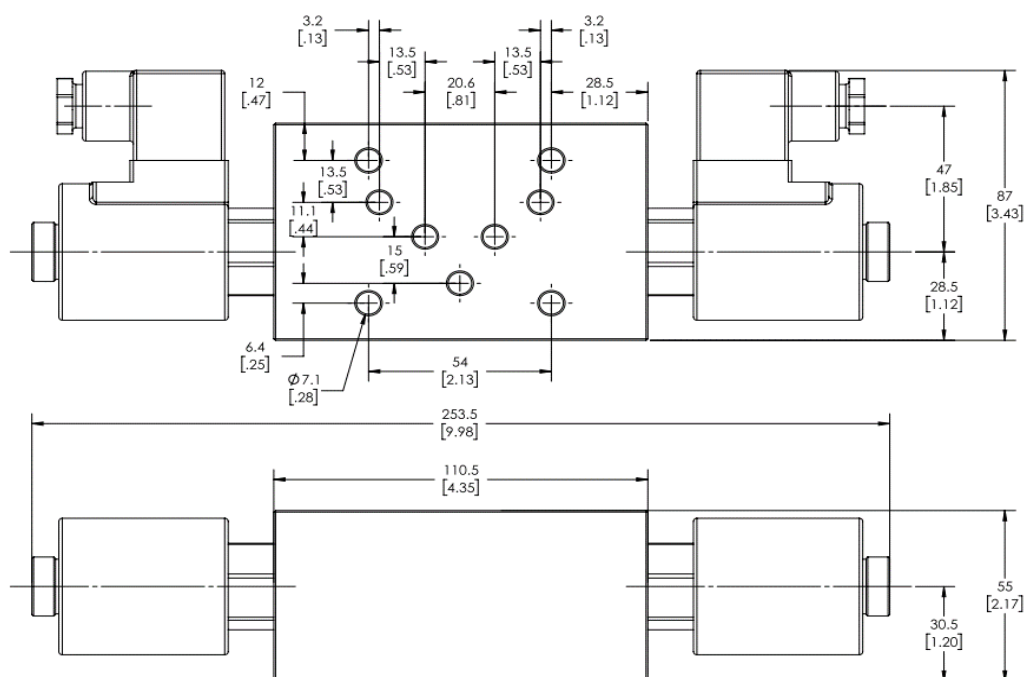
MHP-03



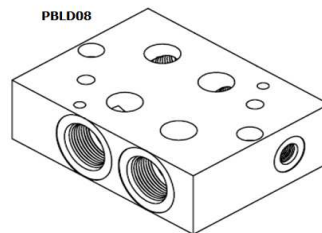
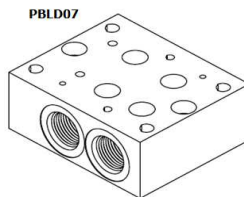
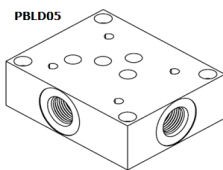
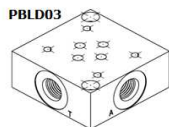
MSCW-01



MSCW-03



EMBASE SIMPLE EN ALUMINIUM / ALUMINUM SUBPLATE

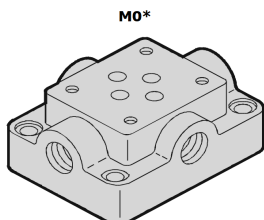


Série Series	Matériel Material	NFA	Pression maximale Maximum pressure		Filets Threads		
			psi	bar	P,T	A,B	X,Y
PBLD03	Alliage d'aluminium Aluminum alloy Type 7020	D03	3045	210	SAE 6		-
PBLD05		D05	3045	210	SAE 8		-
PBLD07		D07	3045	210	SAE 12		SAE 6
PBLD08		D08	3045	210	SAE 16		SAE 6

NOMENCLATURE / ORDERING CODE

PBL	D03	/S	S	/CX
Série Series	Modèle Model	Port	Filets Threads	Design
PBL	D03	S (Side Port)	SAE	CX
	D05	S (Side Port)		
		B (Bottom Port)		
		SBS (Bottom, Side Port)		
	D07	S (Side Port)		
	D08	S (Side Port)		

EMBASE SIMPLE EN FONTE / CAST IRON SUBPLATE

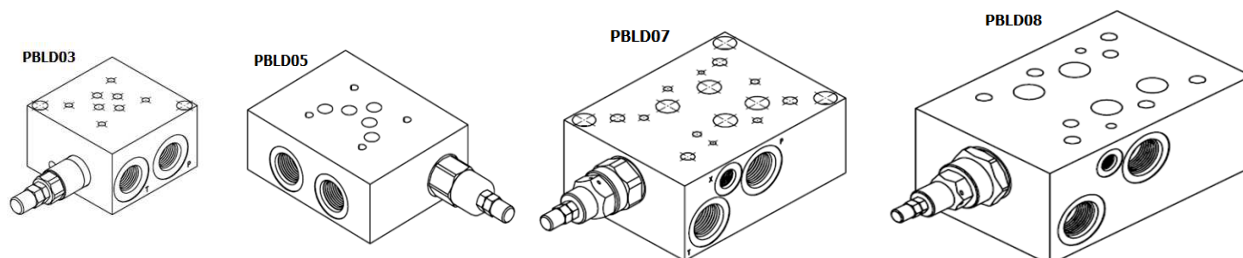


Série Series	Matériel Material	NFA	Pression maximale Maximum pressure		Filets Threads
			psi	bar	P,T,A,B
M01	Fonte Cast iron Type FC30	D03	4565	315	NPT1/4, NPT3/8, SAE6
M03		D05	4565	315	NPT3/8, NPT1/2, NPT3/4, SAE8
M04		D07	4565	315	NPT3/4
M06		D08	4565	315	NPT1
M10		D10	4565	315	NPT1-1/4

NOMENCLATURE / ORDERING CODE

M01	-02	-4B	-3090
Série Series	Port	Position	Filets Threads
M01	02	4B dessous bottom 4S côté side 4S4B côté+dessous side bottom	3090 NPT 3590 SAE
	03		
M03	04		
M03H	06		
M04			
M06			
M10	08		
	10		

AVEC LIMITEUR DE PRESSION / WITH RELIEF VALVE



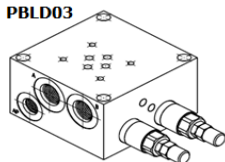
Série Series	Débit maximal Maximum flow		Pression maximale Maximum pressure		NFPA	Température ambiante Air temperature	Température huile Oil temperature	Filets Threads		
	lpm	gpm	psi	bar				P,T	A,B	X,Y
PBLD03	35	9.2	3045	210	D03	0°C à/to 40°C 32°F à/to 104°F	0°C à/to 90°C 32°F à/to 219°F	SAE8		-
PBLD05	60	15.9			D05			SAE10		-
PBLD07	120	31.7			D07			SAE12		SAE6
PBLD08	250	66.0			D08			SAE16		SAE6

NOMENCLATURE / ORDERING CODE

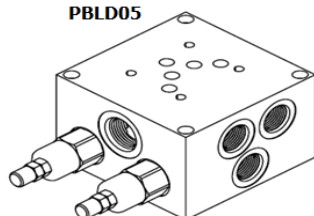
PBL	D03	/VMP	(TB	.S)	/S	S	/OB	/AC
Série Series	Modèle Model	Limiteur Relief	Ressort Spring	Type Ajustement Adjustment Type	Port	Filets Threads	Grosueur Size	Matériel Material
PBL	D03	VMP	TB 5-40 bar(30Q5)	S Vis Screw V Molette Knob	S Side Port	SAE	OB	Omit Aluminium AC Steel Acier
	D05		TV 20-80 bar(60Q5)				OC	
	D07	VMPP	TS 50-200 bar(160Q5)				OD	
	D08		TR 180-350 bar(250Q5)				OA	

AVEC MISE À VIDE HAUTE-BASSE PRESSION / WITH HI-LOW VALVE

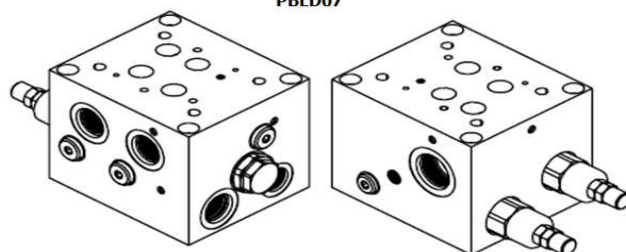
PBLD03



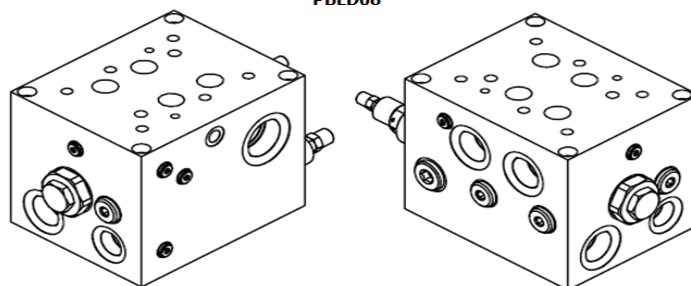
PBLD05



PBLD07



PBLD08

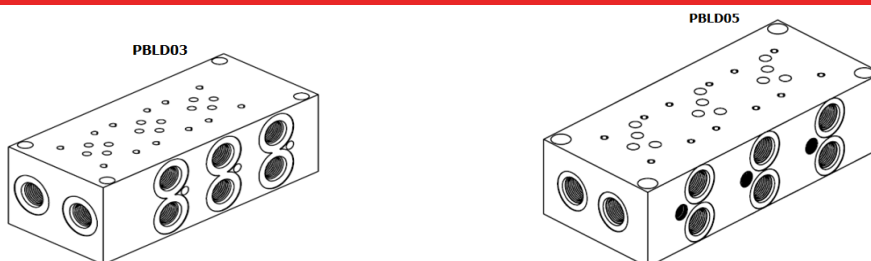


Série Series	Débit maximal Maximum flow		Pression maximale Maximum pressure		NFPA	Température ambiante Air temperature	Température huile Oil temperature	Filets Threads		
	lpm (Ap/Bp)	gpm (Ap/Bp)	psi (Ap/Bp)	bar (Ap/Bp)				A,B,Bp	Ap	T
PBLD03	30	7.9	3045	210	D03	0°C à/to 40°C 32°F à/to 104°F	0°C à/to 90°C 32°F à/to 219°F	SAE8	SAE6	SAE10
PBLD05	20/45	5.3/11.9	3045/580	210/40	D05			SAE10	SAE8	SAE12
PBLD07	30/80	7.9/21.1	3045/1015	210/70	D07			SAE12	SAE10	SAE16
PBLD08	50/150	13.2/39.6			D08			SAE16	SAE12	SAE20

NOMENCLATURE / ORDERING CODE

PBL	D03	/VEP38	/TR	-TV	.S	/S	S	/CX
Série Series	Modèle Model	Type	Ressort / Spring Low (Pre-Setting)	Ressort / Spring Hi (Pre-Setting)	Adj. Type	Filets Threads	Port	Design
PBL	D03	VEP38	TS 50-200 bar(160Q5)	TV 20-80 bar(60Q5)	S Vis Screw	S SAE	S Côté Side	CX
	D05	VEP12	TR 180-350 bar(250Q5)					
	D07	VEP34	TR 180-350 bar(250Q5)					
	D08	VEP100	TR 180-350 bar(250Q5)					

EMBASE MULTIPLE CIRCUIT PARALLÈLE / MANIFOLD WITH PARALLEL CIRCUIT

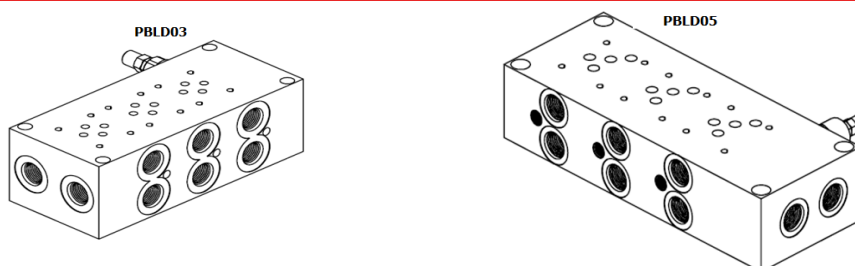


Série Series	NFA configuration	Pression maximale Maximum pressure		Filets Threads	
		psi	bar	P,T	A,B
PBLD03P	D03	5076	350	SAE10	SAE8
PBLD05P	D05			SAE12	SAE10

NOMENCLATURE / ORDERING CODE

PBL	D03	P	2	/S	S	/CX
Série Series	Modèle Model	Circuit	Sections	Port SAE	Filets Threads	Design
PBL	D03	P	2 à/to 10	S Côté Side B Dessous Bottom	S SAE	CX
	D05		2 à/to 6			

AVEC LIMITEUR DE PRESSION / WITH RELIEF

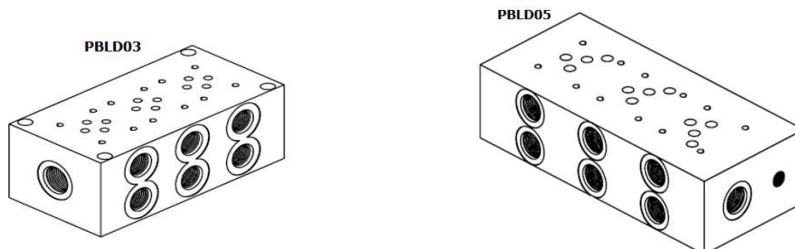


Série Series	NFA configuration	Pression maximale Maximum pressure		Filets Threads	
		psi	bar	P,T	A,B
PBLD03P	D03	5075	350	SAE10	SAE8
PBLD05P	D05			SAE12	SAE10

NOMENCLATURE / ORDERING CODE

PBL	D03	P	2	/VMP	/S	S	/CX
Série Series	Modèle Model	Circuit	Sections	Limiteur Relief	Port SAE	Filets Threads	Design
PBL	D03	P Parallèle Parallel	2 à/to 9	VMP	S Côté Side	S SAE	CX
	D05		2 à/to 6				

EMBASE MULTIPLE CIRCUIT SÉRIE / MANIFOLD WITH SERIES CIRCUIT

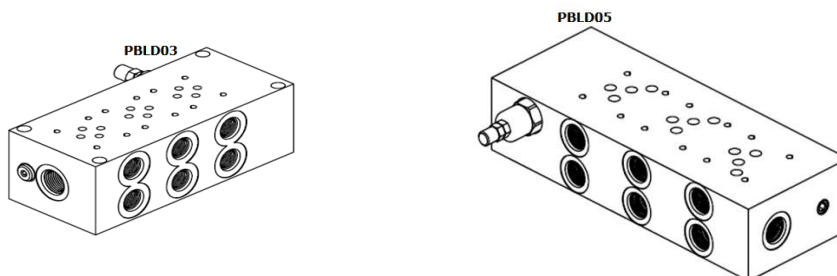


Série Series	Pression maximale Maximum pressure		NFPA configuration	Température ambiante Air temperature	Température huile Oil temperature	Filets Threads	
	psi	bar				P,T	A,B
PBLD03	3045	210	D03	0°C à/to 40°C	0°C à/to 90°C	SAE10	SAE8
PBLD05			D05	32°F à/to 104°F	32°F à/to 219°F	SAE12	SAE10

NOMENCLATURE / ORDERING CODE

PBL	D03	S	2	/S	S	/CX
Série Series	Modèle Model	Circuit	Sections	Port SAE	Filets Threads	Design
PBL	D03	S Série Series	2 à/to 4	S Côté Side	S SAE	CX
	D05		2 à/to 3			

AVEC LIMITEUR DE PRESSION / WITH RELIEF

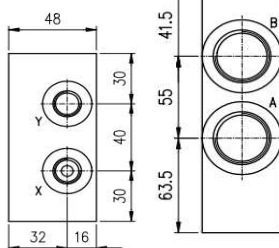
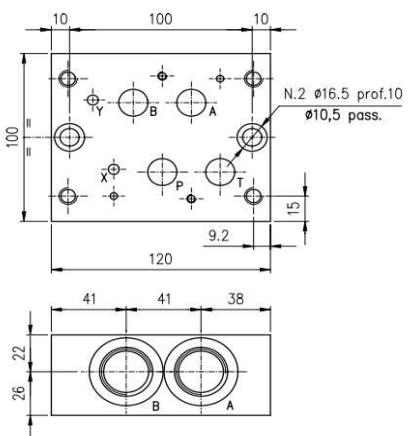
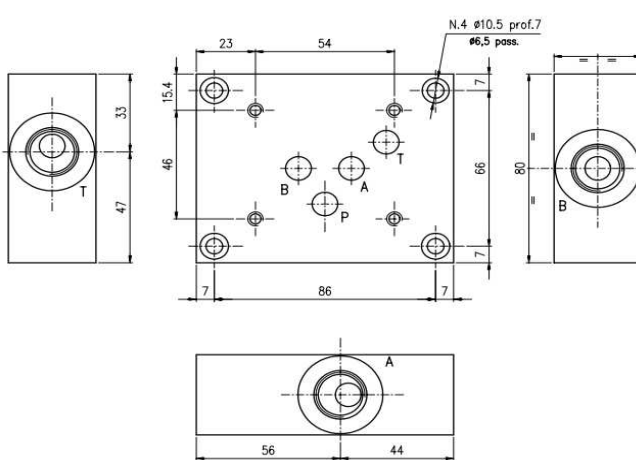
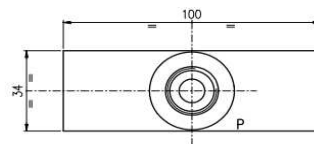
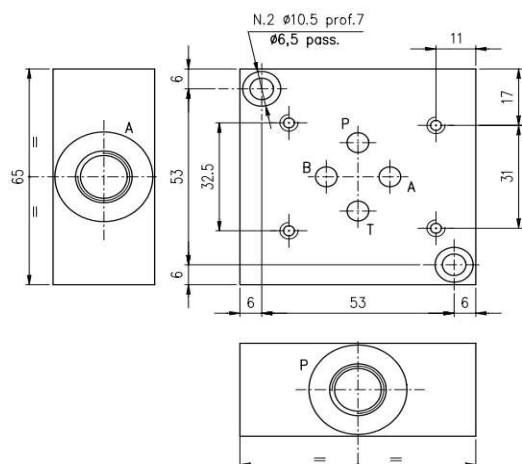
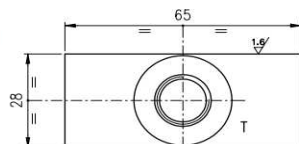
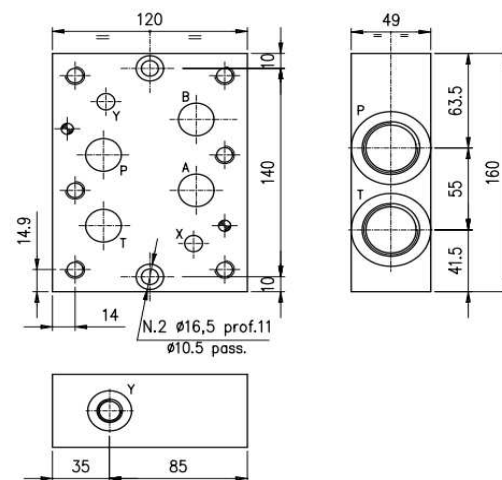
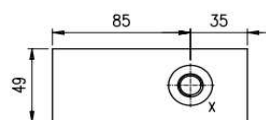


Série Series	Pression maximale Maximum pressure		NFPA config.	Température ambiante Air temperature	Température huile Oil temperature	Filets Threads	
	psi	bar				P,T	A,B
PBLD03	3045	210	D03	0°C à/to 40°C	0°C à/to 90°C	SAE10	SAE8
PBLD05			D05	32°F à/to 104°F	32°F à/to 219°F	SAE12	SAE10

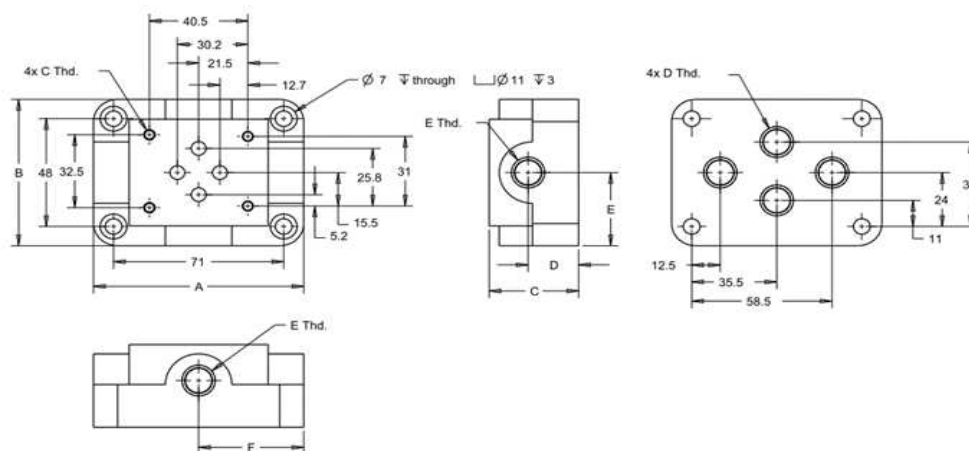
NOMENCLATURE / ORDERING CODE

PBL	D03	S	2	/VMP	/S	S	/CX
Série Series	Modèle Model	Circuit	Sections	Limiteur Relief	Port SAE	Filets Threads	Design
PBL	D03	S Série Series	2 à/to 4	VMP	S Côté Side	S SAE	CX
	D05		2 à/to 3				

PBLD03

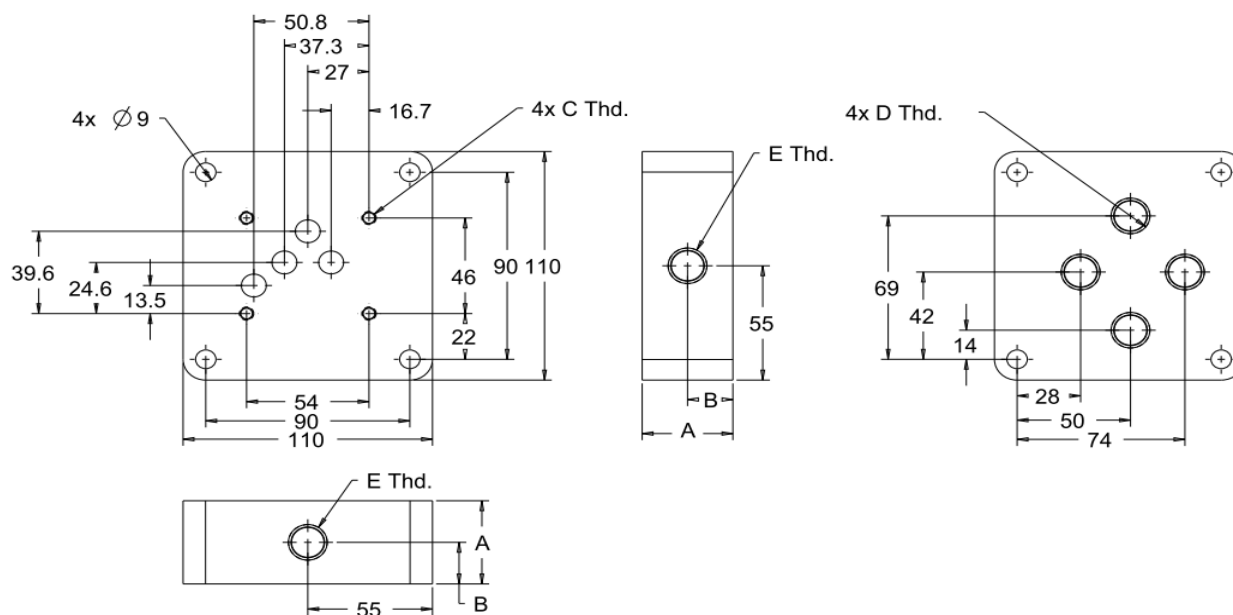
**PBLD08**

EMBASE SIMPLE M01 / M01 SUBPLATE



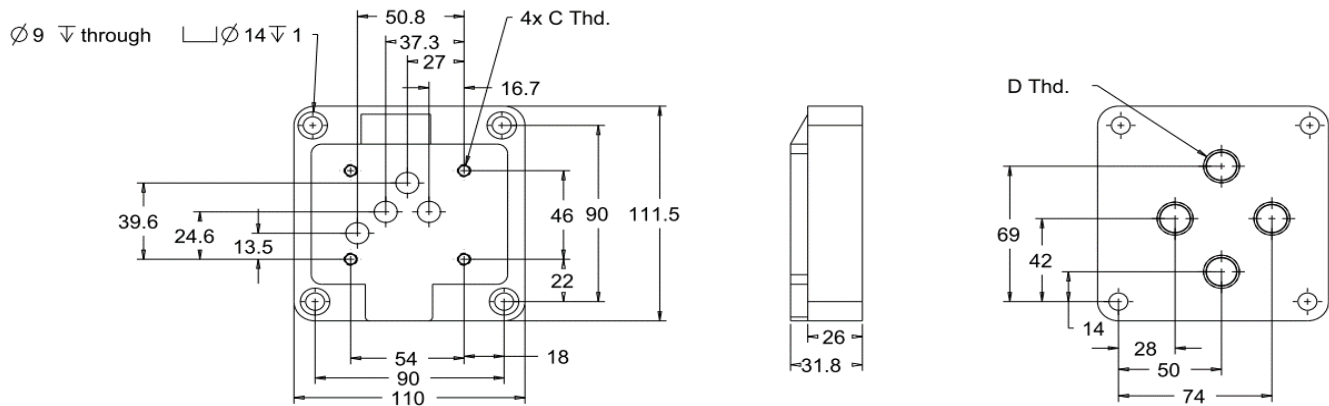
Code	Dimensions (mm)						C thd.	D thd.	E thd.
	A	B	C	D	E	F			
M01-02-4S4B-3090	87.5	65.8	37	18.3	32.5	43.75	10-24 UNC	NPT 1/4	NPT 1/4
M01-03-4B-3090	87	65.2	37	-	-	-	10-24 UNC	NPT 3/8	-
M01-03-4B-3590	89.3	67	37	-	-	-	10-24 UNC	SAE 6	-
M01-03-4S-3090	87	65.2	37	16	32.5	43.5	10-24 UNC	-	NPT 3/8

EMBASE SIMPLE M03 / M03 SUBPLATE



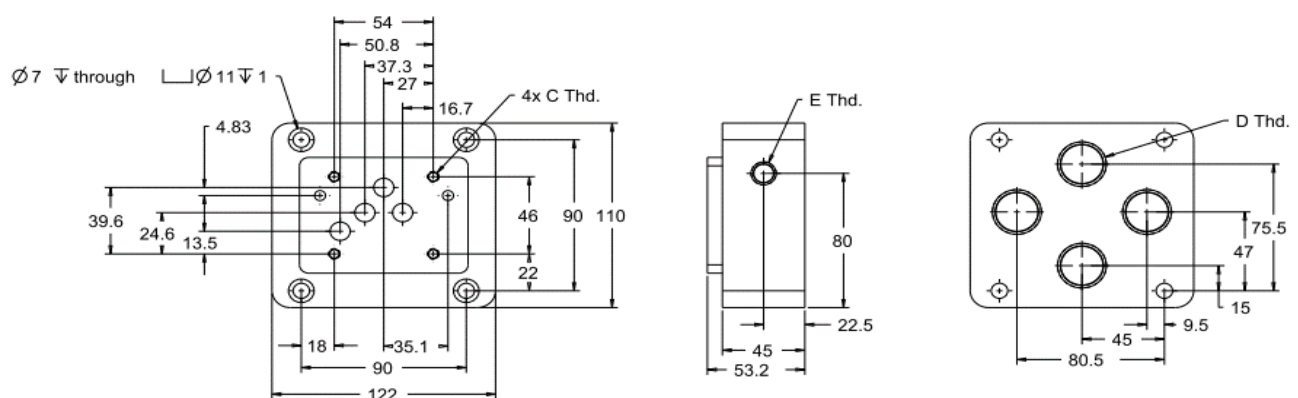
Code	Dimensions (mm)		C thd.	D thd.	E thd.
	A	B			
M03-04-4B-3090	31	-	1/4-20UNC	NPT 1/2	-
M03-04-4B-3590	38.6	-	1/4-20UNC	SAE 8	-
M03-04-4S-3090	40	20	1/4-20UNC	-	NPT 1/2
M03-06-4B-3090	40	-	1/4-20UNC	NPT 3/4	-
M03-06-4S-3090	54	27	1/4-20UNC	-	NPT 3/4

EMBASE SIMPLE M03 / M03 SUBPLATE



Code	C thd.	F thd.
M03-03-4B-3090	1/4-20UNC	NPT 3/8

EMBASE SIMPLE M03H / M03H SUBPLATE



Code	C thd.	D thd.	E thd.
M03H-06-4B-3090	1/4-20UNC	NPT 3/4	NPT 1/4

[illegible]

Code	Dimensions (mm)		C thd.	D thd.	E thd.
	A	B			
M04-06-4B-3090	34.5	-	C1: 3/8-16 UNC	NPT 3/4	NPT 3/4
			C2: 1/4-20 UNC		
M04-06-4S-3090	54.2	22.5	C1: 3/8-16 UNC	NPT 3/4	NPT 3/4
			C2: 1/4-20 UNC		

Technical drawing of a mechanical part, showing front, top, and side views with dimensions and labels.

Front View (Left):

- Overall width: 125
- Overall height: 214
- Top edge: 125
- Bottom edge: 125
- Left edge: 101
- Right edge: 125
- Top hole: $\varnothing 11$ through
- Bottom hole: $\varnothing 17.5$ through
- Top hole: 6x C Thd.
- Bottom hole: 2x $\varnothing 7$
- Top hole: D Thd.
- Bottom hole: E Thd.

Top View (Right):

- Overall width: 125
- Overall height: 214
- Top edge: 125
- Bottom edge: 125
- Left edge: 101
- Right edge: 125
- Top hole: $\varnothing 11$ through
- Bottom hole: $\varnothing 17.5$ through
- Top hole: 6x C Thd.
- Bottom hole: 2x $\varnothing 7$
- Top hole: D Thd.
- Bottom hole: E Thd.

Side View (Bottom):

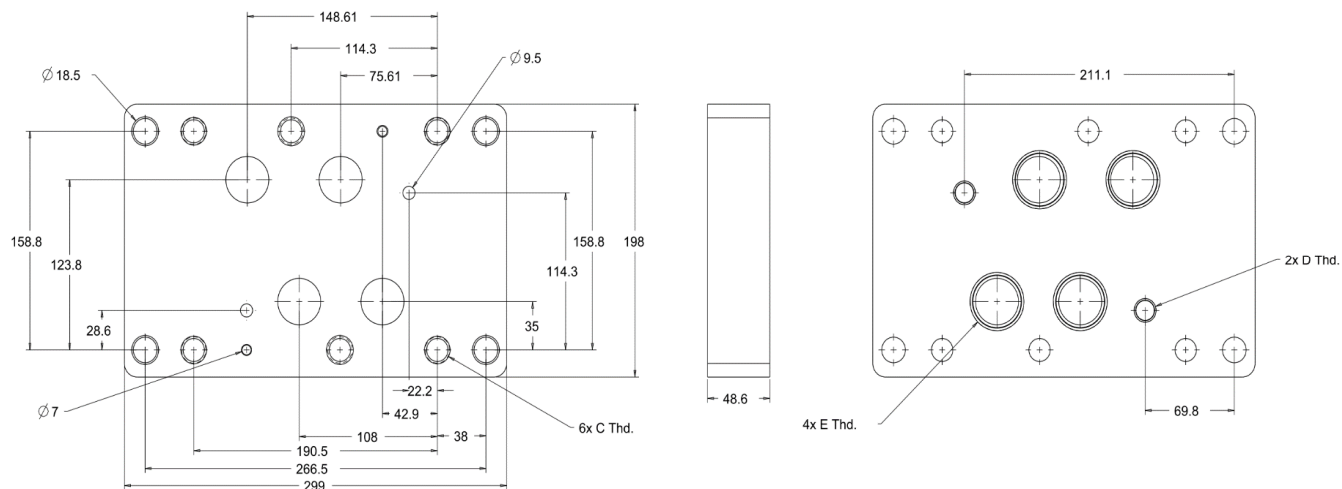
- Overall width: 125
- Overall height: 214
- Top edge: 125
- Bottom edge: 125
- Left edge: 101
- Right edge: 125
- Top hole: $\varnothing 11$ through
- Bottom hole: $\varnothing 17.5$ through
- Top hole: 6x C Thd.
- Bottom hole: 2x $\varnothing 7$
- Top hole: D Thd.
- Bottom hole: E Thd.

Dimensions:

- 125
- 92.1
- 16.4
- 24.8
- 29.2
- 77
- 100.4
- 112.7
- 130.2
- 214
- 101
- 77
- 53.2
- 35.7
- 17.5
- 6x C Thd.
- 2x $\varnothing 7$
- D Thd.
- E Thd.

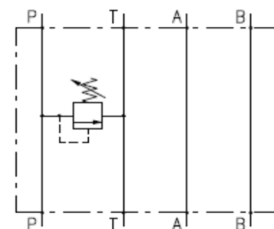
Code	Dimensions (mm)	C thd.	D thd.	E thd.
	A			
M06-08-4B-3090	40	1/2-13 UNC	NPT 1/4	NPT 1"
M06-08-4S-3090	57	1/2-13 UNC	NPT 1/4	NPT 1"

EMBASE SIMPLE M10 / M10 SUBPLATE



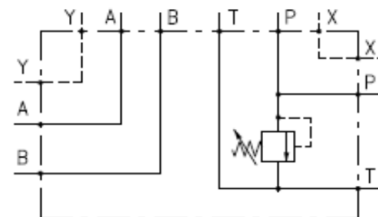
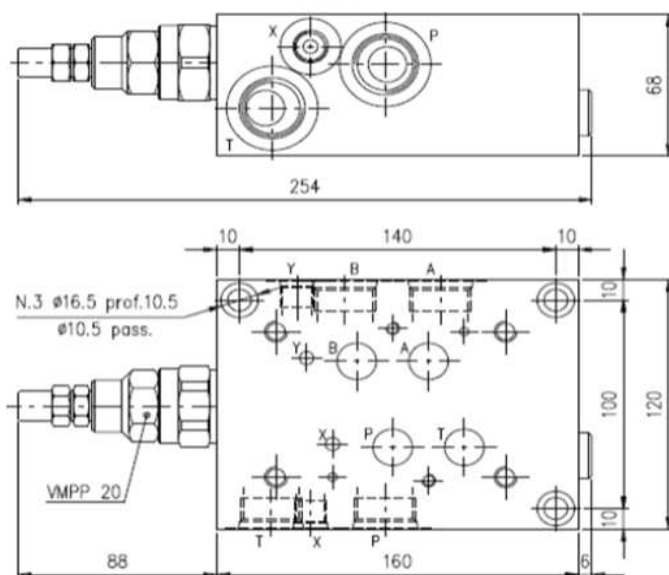
Code	C thd.	D thd.	E thd.
M10-10-4B-3090	3/4-10 UNC	NPT 3/8	NPT 1-1/4

PBLD03

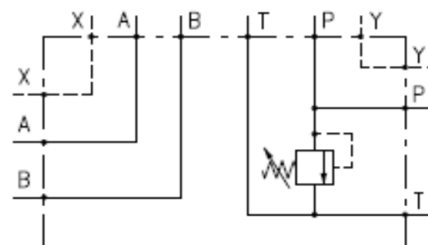
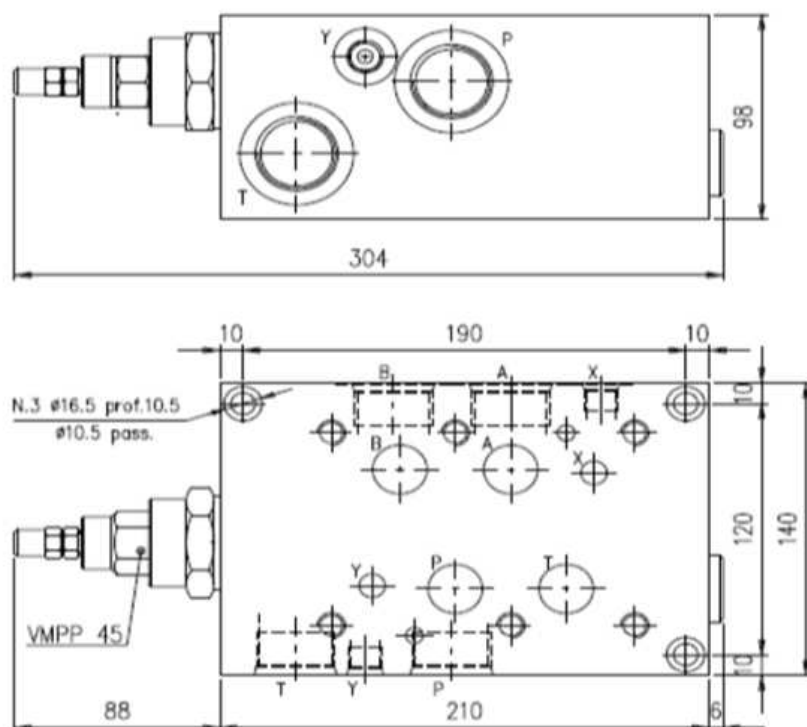


EMBASE SIMPLE AVEC LIMITEUR DE PRESSION / SUBPLATE WITH RELIEF

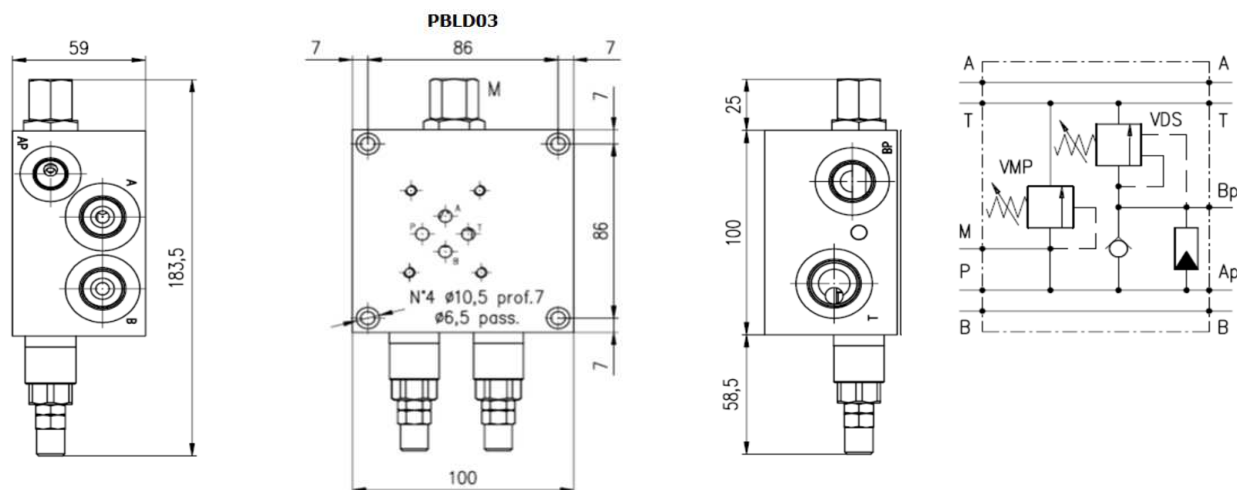
PBLD07



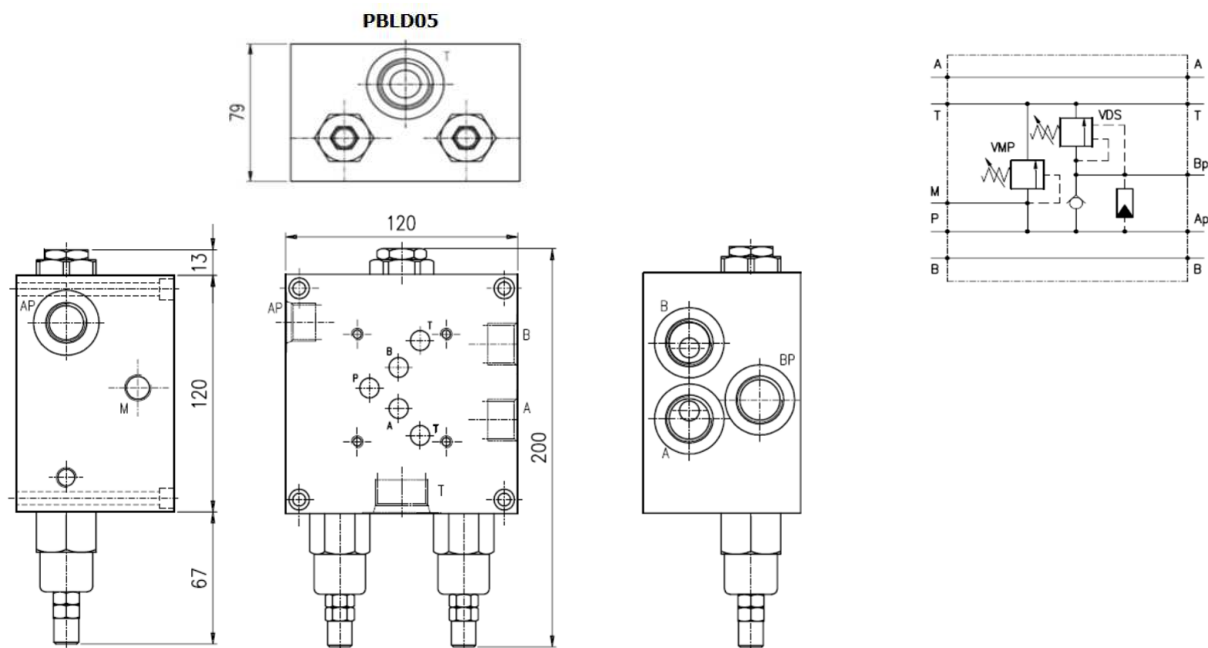
PBLD08



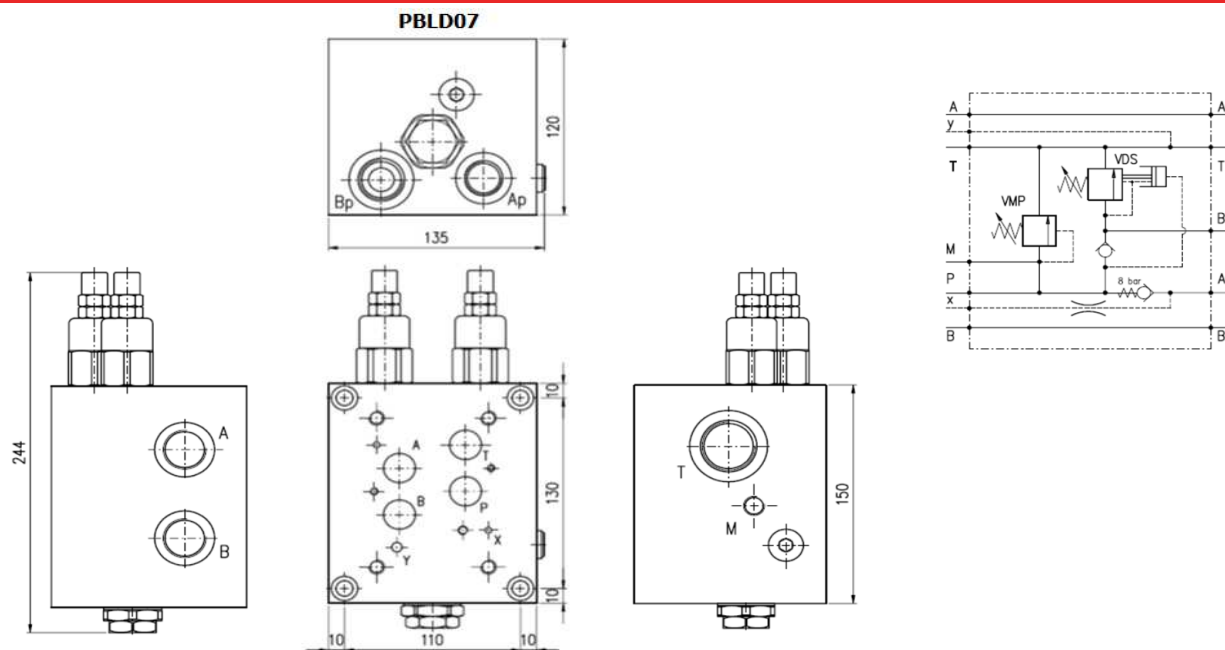
EMBASE SIMPLE D03 AVEC MISE À VIDE HAUTE-BASSE PRESSION / D03 HI-LOW SUBPLATE



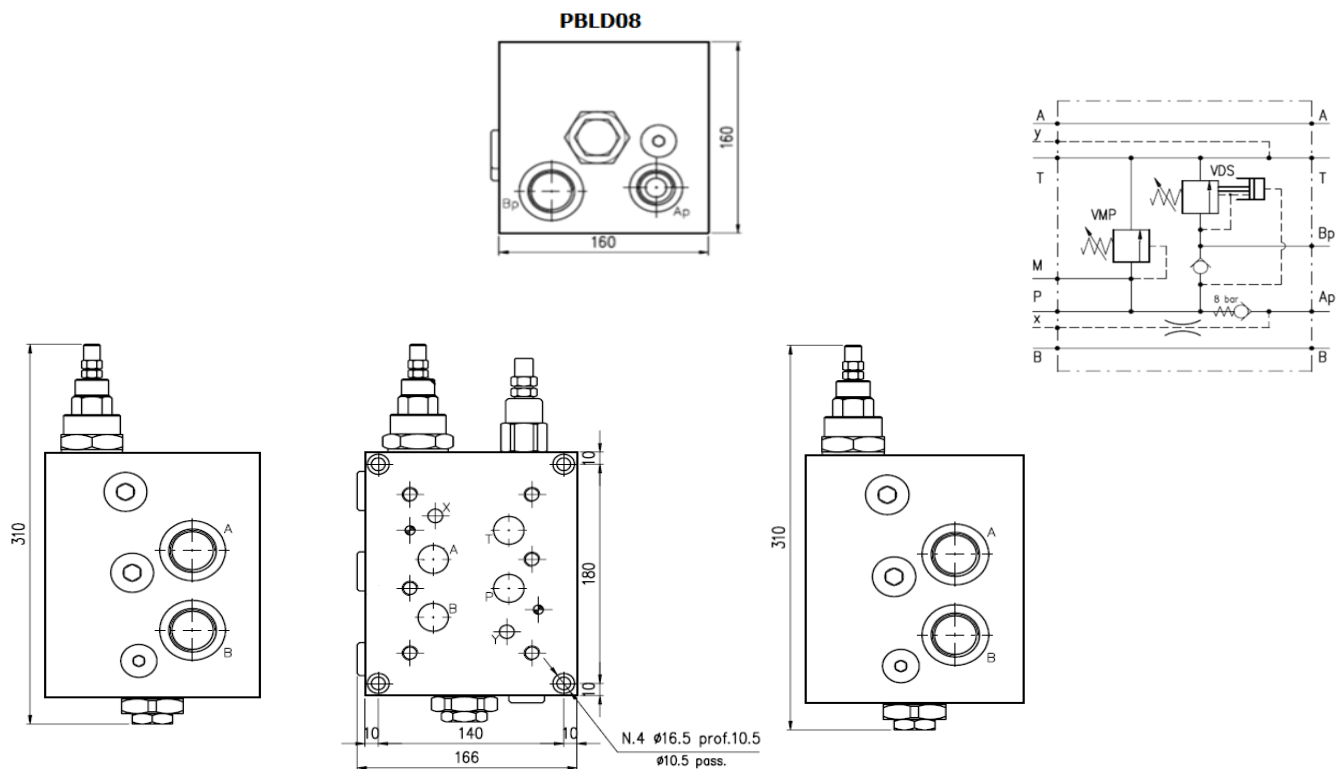
EMBASE SIMPLE D05 AVEC MISE À VIDE HAUTE-BASSE PRESSION / D05 HI-LOW SUBPLATE



EMBASE SIMPLE D07 AVEC MISE À VIDE HAUTE-BASSE PRESSION / D07 HI-LOW SUBPLATE

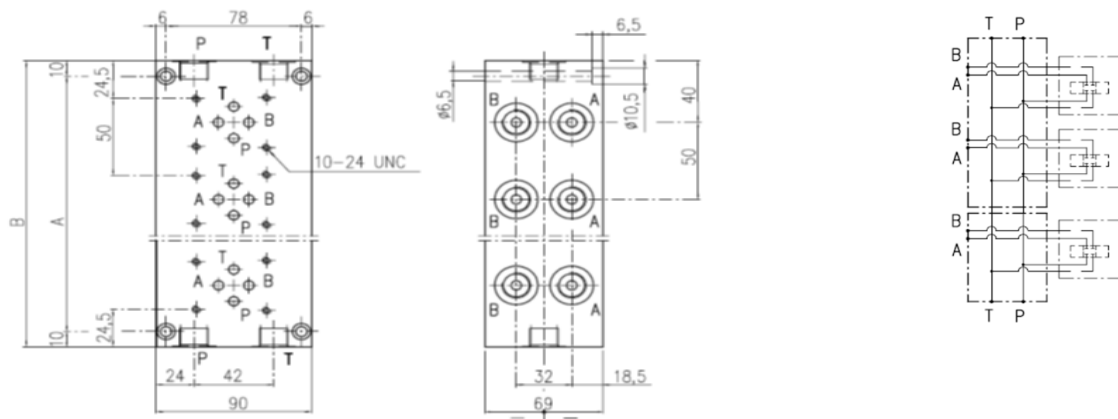


EMBASE SIMPLE D08 AVEC MISE À VIDE HAUTE-BASSE PRESSION / D08 HI-LOW SUBPLATE



EMBASE MULTIPLE AVEC CIRCUIT PARALLÈLE / MANIFOLD WITH PARALLEL CIRCUIT

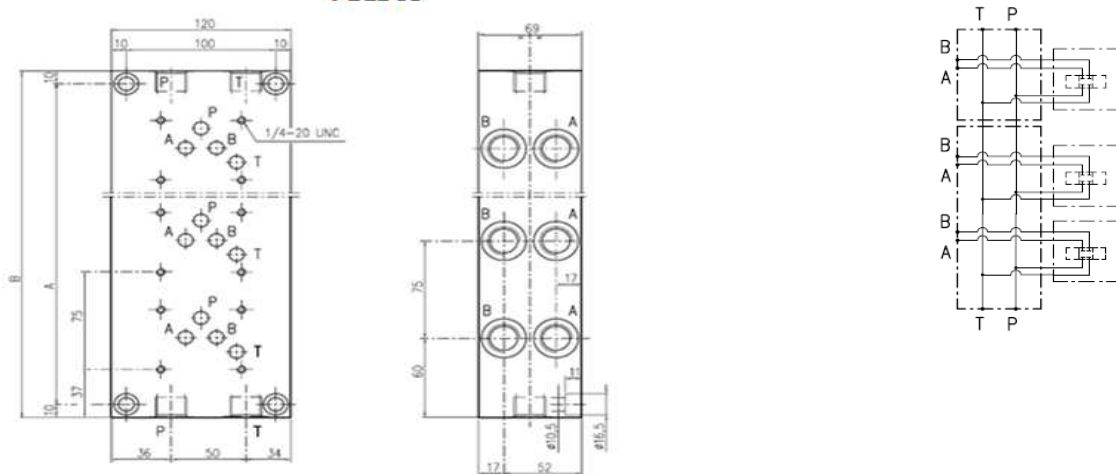
PBLD03



Série Series	Dimensions (mm/in)	
	A	B
PBLD03P/2	110.0/4.3	130.0/5.1
PBLD03P/3	160.0/6.3	180.0/7.1
PBLD03P/4	210.0/8.3	230.0/9.1
PBLD03P/5	260.0/10.2	280.0/11.0
PBLD03P/6	310.0/14.2	330.0/13.0
PBLD03P/7	360.0/14.2	380.0/15.0
PBLD03P/8	410.0/16.1	430.0/16.9
PBLD03P/9	460.0/18.1	480.0/18.9
PBLD03P/10	510.0/20.1	530.0/20.9

EMBASE MULTIPLE AVEC CIRCUIT PARALLÈLE / MANIFOLD WITH PARALLEL CIRCUIT

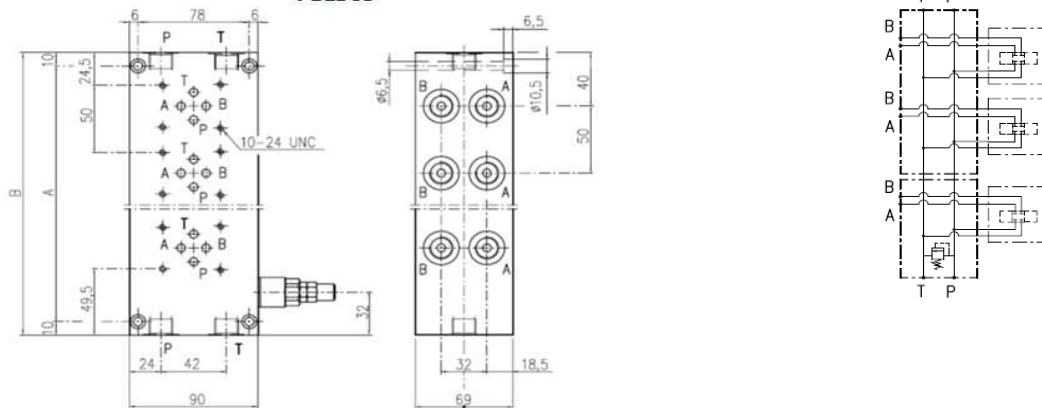
PBLD05



Série Series	Dimensions (mm/in)	
	A	B
PBLD05P/2	175.0/6.9	195.0/7.7
PBLD05P/3	250.0/9.8	270.0/10.6
PBLD05P/4	325.0/12.8	345.0/13.6
PBLD05P/5	400.0/15.7	420.0/16.5
PBLD05P/6	475.0/18.7	495.0/19.5

EMBASE MULTIPLE PARALLÈLE AVEC LIMITEUR / PARALLEL MANIFOLD WITH RELIEF VALVE

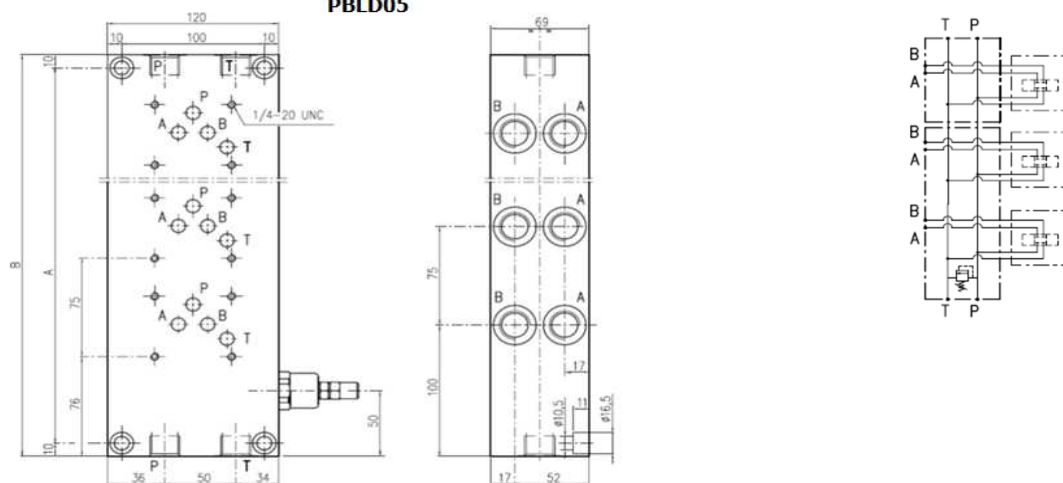
PBLD03



Série Series	Dimensions (mm/in)	
	A	B
PBLD03P2/VMP	135.0/5.3	155.0/3.1
PBLD03P3/VMP	185.0/7.3	205.0/8.1
PBLD03P4/VMP	235.0/9.3	255.0/10.0
PBLD03P5/VMP	285.0/11.2	305.0/12.0
PBLD03P6/VMP	335.0/13.2	355.0/14.0
PBLD03P7/VMP	385.0/15.2	405.0/15.9
PBLD03P8/VMP	435.0/17.1	455.0/17.9
PBLD03P9/VMP	485.0/19.1	505.0/19.9
PBLD03P10/VMP	535.0/21.1	555.0/21.9

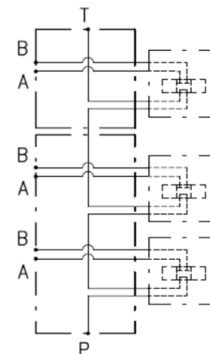
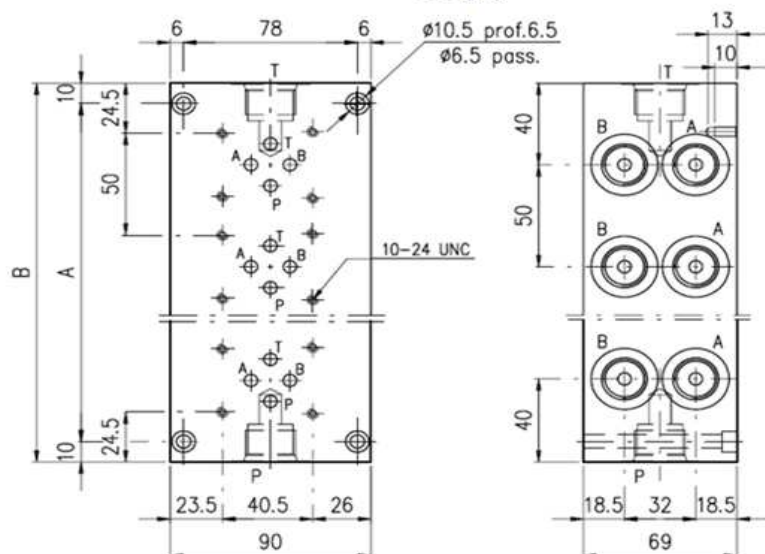
EMBASE MULTIPLE PARALLÈLE AVEC LIMITEUR / PARALLEL MANIFOLD WITH RELIEF

PBLD05



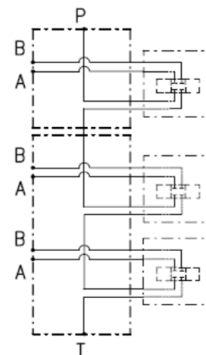
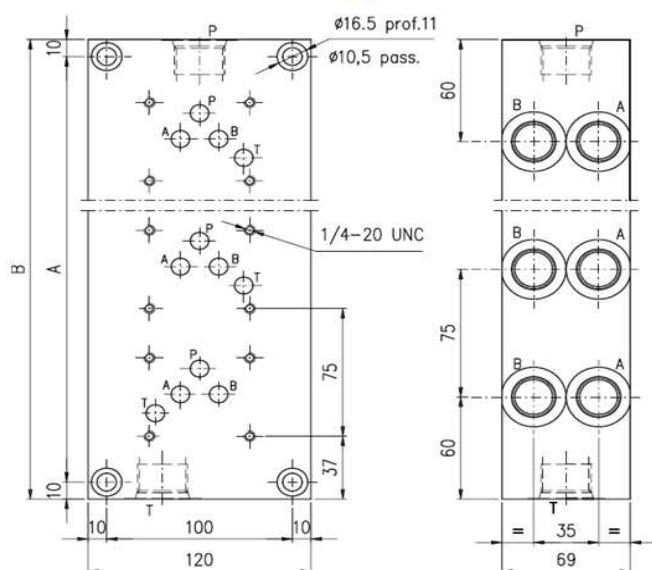
Série Series	Dimensions (mm/in)	
	A	B
PBLD05P2/VMP	215.0/8.5	235.0/9.3
PBLD05P3/VMP	290.0/11.4	310.0/12.2
PBLD05P4/VMP	365.0/14.4	385.0/15.2
PBLD05P5/VMP	440.0/17.3	460.0/18.1
PBLD05P6/VMP	515.0/20.3	535.0/21.1

PBLD03



Série Series	Dimensions (mm/in)	
	A	B
PBLD03S2	110.0/4.3	130.0/5.1
PBLD03S3	160.0/6.3	180.0/7.1
PBLD03S4	210.0/8.3	230.0/9.1

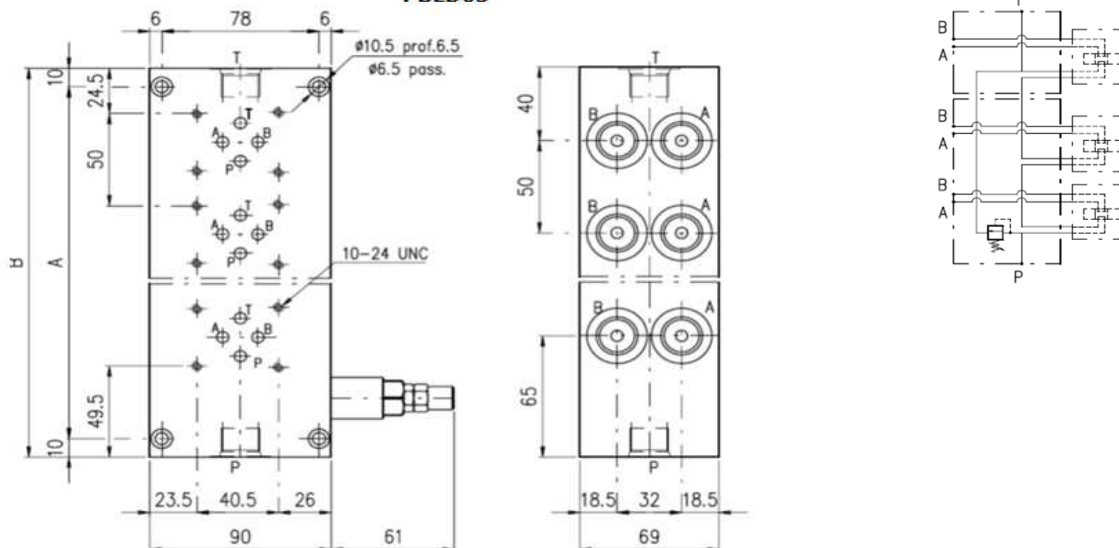
PBLD05



Série Series	Dimensions (mm/in)	
	A	B
PBLD05S2	175.0/6.9	195.0/7.7
PBLD05S3	250.0/9.8	270.0/10.6

EMBASE MULTIPLE CIRCUIT SÉRIE ET LIMITEUR / SERIES CIRCUIT MANIFOLD WITH RELIEF VALVE

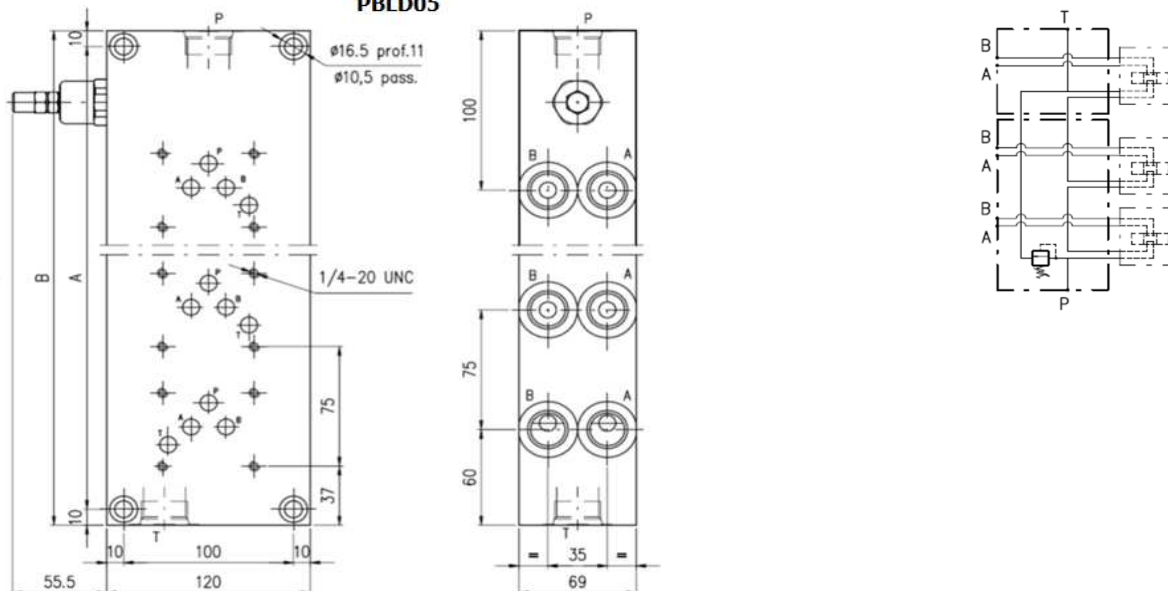
PBLD03



Série Series	Dimensions (mm/in)	
	A	B
PBLD03S2	135.0/5.3	155.0/6.1
PBLD03S3	185.0/7.3	205.0/8.1
PBLD03S4	235.0/9.3	255.0/10.0

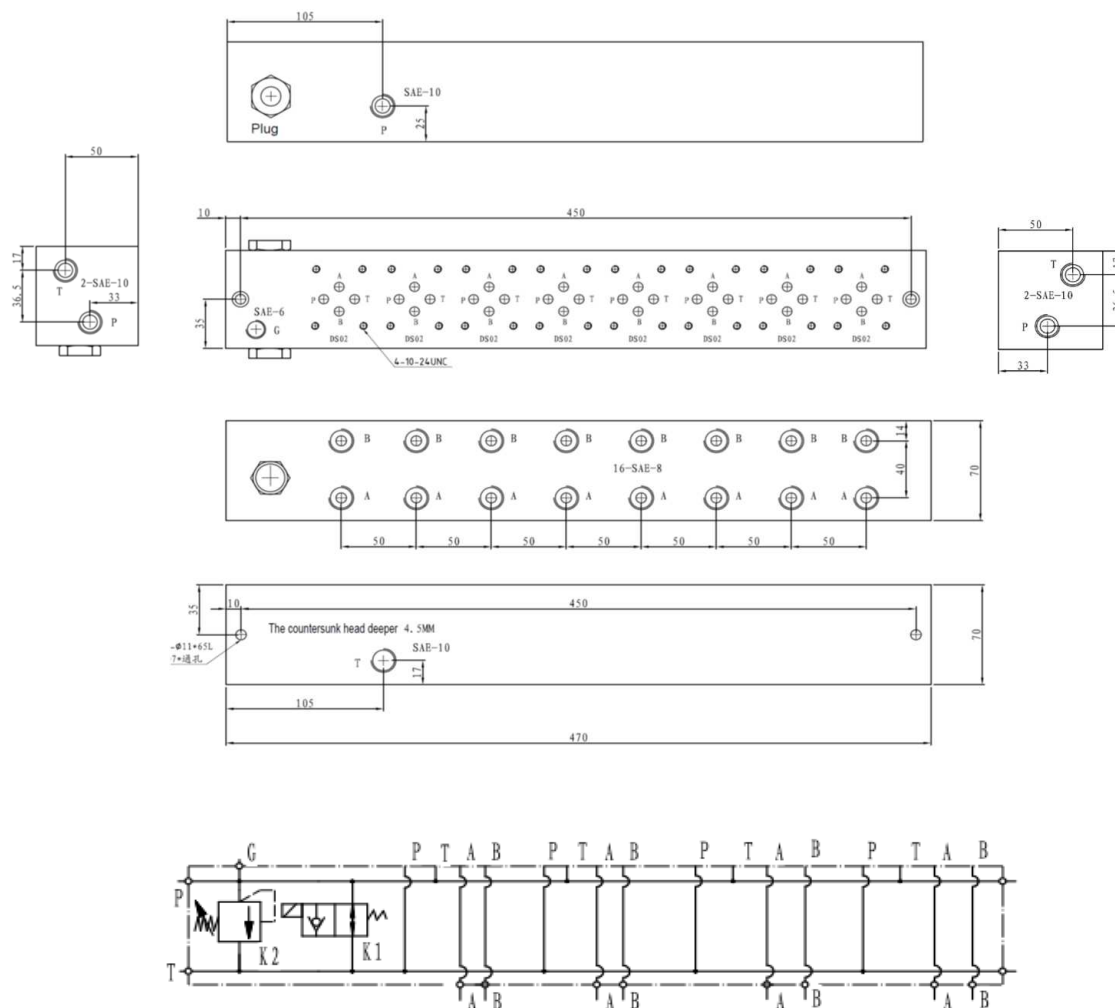
EMBASE MULTIPLE CIRCUIT SÉRIE ET LIMITEUR / SERIES CIRCUIT MANIFOLD WITH RELIEF

PBLD05



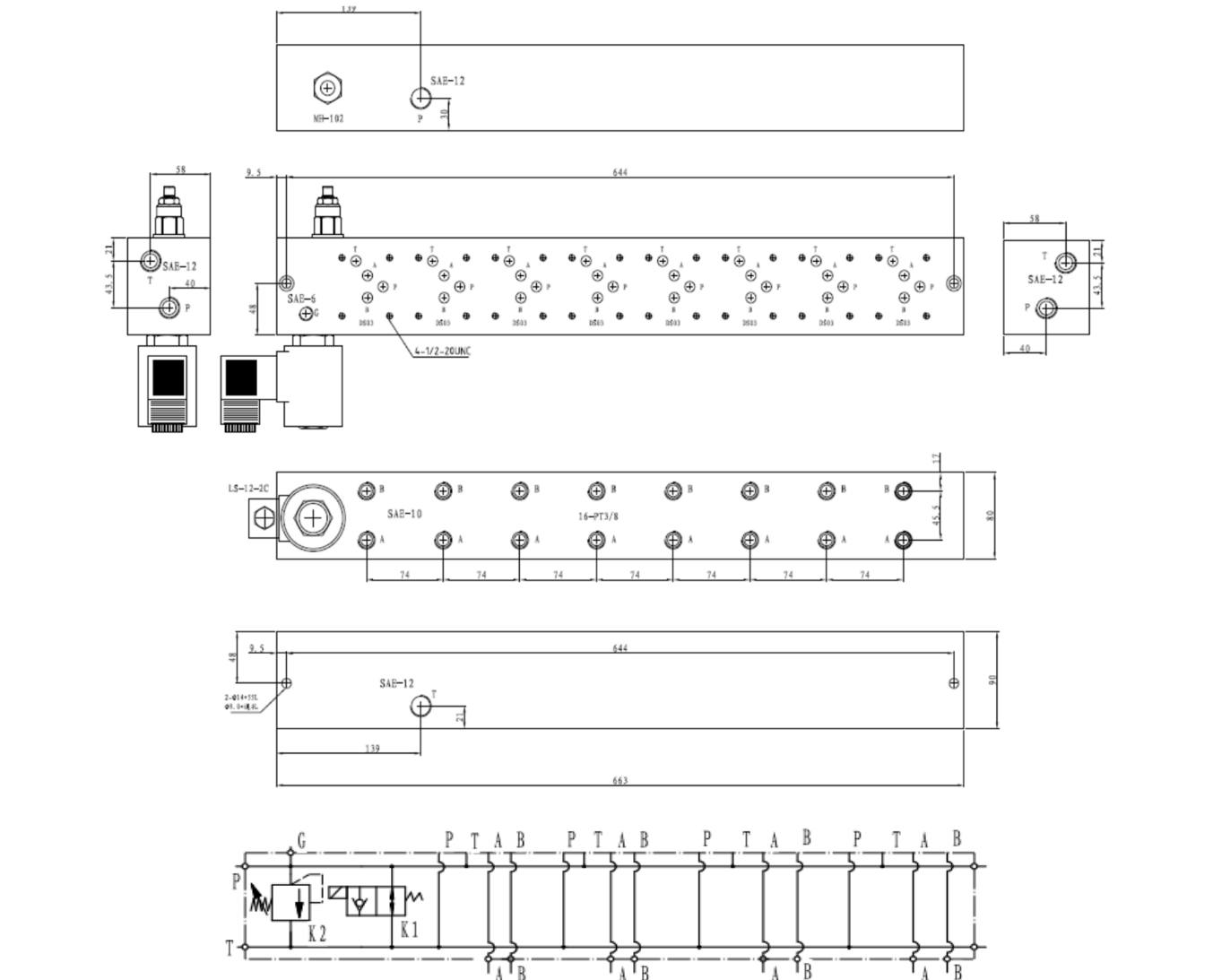
Série Series	Dimensions (mm/in)	
	A	B
PBLD05S2	215.0/8.5	235.0/9.3
PBLD05S3	290.0/11.4	310.0/12.2

EMBASE MULTIPLE D03 EN ACIER / D03 STEEL MANIFOLD



Série D03 D03 Series	Filets / Treads		Dimensions (mm/in)	
	PT	AB	A (between fixing holes)	B (overall length)
MMS -P2	SAE10	SAE8	150/5,91	170/6,69
MMS -P3			200/7,87	220/8,66
MMS - P4			250/9,84	270/10,63
MMS - P5			300/11,81	320/12,60
MMS - P6			350/13,78	370/14,57
MMS - P7			400/15,75	420/16,54
MMS - P8			450/17,72	470/18,50

EMBASE MULTIPLE D05 EN ACIER / D05 STEEL MANIFOLD

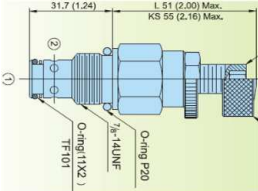
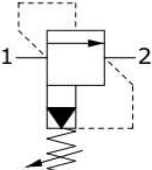
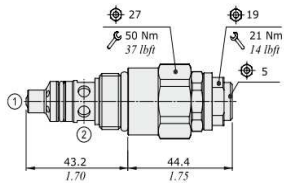
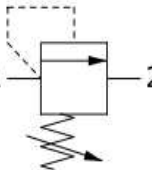
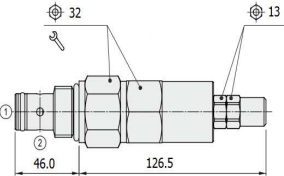
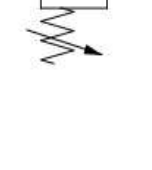
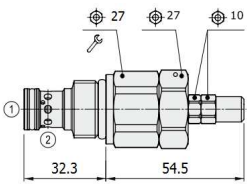
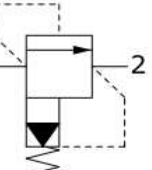
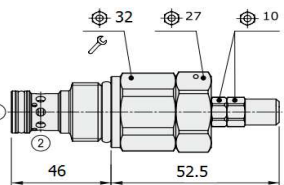
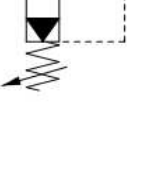


Série D05 D03 Series	Filets / Treads		Dimensions (mm/in)	
	PT	AB	A (between fixing holes)	B (overall lenth)
MMS -P2	SAE12	SAE10	200/7,87	219/8,62
MMS -P3			274/10,79	293/11,54
MMS - P4			348/13,70	367/14,45
MMS - P5			422/16,61	441/17,36
MMS - P6			496/19,53	515/20,28
MMS - P7			570/22,44	589/23.19
MMS - P8			644/25.35	663/26.10

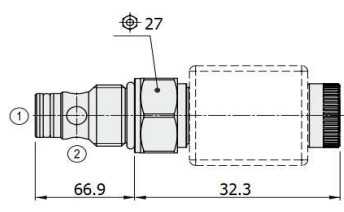
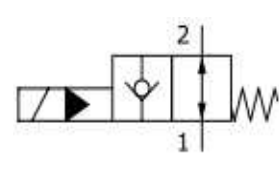
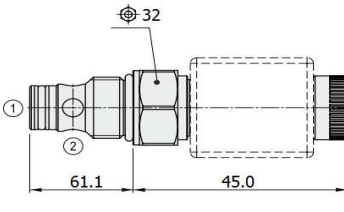
NOMENCLATURE / ORDERING CODE

MMS	D03	P2/	RV	(P)	/SV	(P)	-PTGP	SAE	-3590
Série Series	Modèle Model	Sections	R(K1) SAE10/2	Option	S(K2) SAE10/2(D03) SAE12/2(D05)	S(K2) Cavité SAE12/2 SAE12/2 Cavity	P&T&G	Filets Threads	Design #
MMS	D03 D05	1P - 8P de 1 à 8 sections from 1 to 8 sections	RV	Omit sans bouchon - no plug P avec bouchon - with plug CRV limiteur standard relief MC1 MC10M/0Y1B MC2 MC10M/0Y2B MC3 MC10M/0Y3B MC4 MC10M/0Y4B MP1 MP10A/0S1B MP2 MP10A/0S2B MP1 MP10A/0S3B	SV	Omit sans bouchon - no plug P avec bouchon - with plug ECN12N EC10M/10NB-12DC+N ECN24N EC10M/10NB-24DC+N ECT12N EC10M/10TB-12DC+N ECT24N EC10M/10TB-24DC+N ECP12N EC10M/10PB-12DC+N ECP24N EC10M/10PB-24DC+N	Omit sans bouchon without plugs PTGP avec bouchons requis pour P&T&G with plugs for P&T&G	SAE	3590

OPTIONS RV-SV

Options			
Dimensions	Schéma Hydraulique Hydraulic Circuit	RV-SV (D03) RV (D05)	SV (D05)
		CRV =CRV-102-L-30N	N/A
		MC1 =MC10M/0Y1B MC2 =MC10M/0Y2B MC3 =MC10M/0Y3B MC4 =MC10M/0Y4B	N/A
		N/A	MA1 =MC12A/0S1B MA2 =MC12A/0S2B MA3 =MC12A/0S3B
		MP1 =MP10A/0S1B MP2 =MP10A/0S3B MP3 =MP10A/0S3B	N/A
		N/A	MP1 =MP12A/0S1B MP2 =MP12A/0S2B MP3 =MP12A/0S3B

OPTIONS RV-SV

Options			
Dimensions	Schéma Hydraulique Hydraulic Circuit	R-S (D03) R (D05)	S (D05)
		ECN12N =EC10M/10NB-12DC+N ECN24N =EC10M/10NB-24DC+N ECT12N =EC10M/10NB-12DC+N ECT24N =EC10M/10NB-24DC+N ECP12N =EC10M/10NB-12DC+N ECP24N =EC10M/10NB-24DC+N	N/A
		N/A	ECN12N =EC12M/10NB-12DC+N ECN24N =EC12M/10NB-24DC+N ECT12N =EC12M/10NB-12DC+N ECT24N =EC12M/10NB-24DC+N ECP12N =EC12M/10NB-12DC+N ECP24N =EC12M/10NB-24DC+N

| NOTES TECHNIQUES / TECHNICAL NOTES

DIMENSION DES FILETS / THREADS SIZE

SAE		
Filets Threads	Dimensions	Code
SAE4	7/16-20 UNF	OZ
SAE6	9/16-18 UNF	OA
SAE8	3/4-16 UNF	OB
SAE10	7/8-14 UNF	OC
SAE12	1-1/16-12 UNF	OD
SAE14	1-3/16-12 UNF	OE
SAE16	1-5/16-12 UNF	OF
SAE20	1-5/8-12 UNF	OG
SAE24	1-7/8-12 UNF	OH
SAE32	2-1/2-12 UNF	OI
SAE48	3-3/8-12 UNF	OJ

NPT		
Filets Threads	Dimensions	Code
NPT 1/8	1/8"-27	NA
NPT 1/4	1/4"-28	NB
NPT 3/8	3/8"-18	NC
NPT 1/2	1/2"-14	ND
NPT 3/4	3/4"-14	NE
NPT 1	1" - 11-1/2	NF
NPT 1-1/4	1-1/4" - 11-1/2	NG
NPT 1-1/2	1-1/2" - 11-1/2	NH
NPT 2	2" - 11-1/2	NL
NPT 2-1/2	2-1/2" - 8	NM
NPT 3	3" - 8	NN
NPT 4	4" - 8	NO
NPT 6	6" - 8	NQ

Bride SAE SAE flange		
Nominal	Code	
	3000 psi	6000 psi
1/2"	SA	VA
3/4"	SB	VB
1"	SC	VC
1 1/4"	SD	VD
1 1/2"	SE	VE
2"	SF	VF
2 1/2"	SG	--
3"	SH	--
3 1/2"	SI	--
4"	SJ	--
5"	SK	--

JIC-SAE (37°)		
Filets Threads	Dimensions	Code
JIC10	7/8-14 UNF	JC
JIC12	1-1/16-12 UNF	JD
JIC16	1-5/16-12 UNF	JF
JIC20	1-5/8-12 UNF	JG
JIC24	1-7/8-12 UNF	JH

Tube Hosebarb	
Nominal	Code
1"	TF
1-1/4"	TG
1-1/2"	TH
2"	TL

| NOTES TECHNIQUES / TECHNICAL NOTES

CONVERSION

Pression / Pressure	
1 psi = 0,0689655 bar	
psi	bar
100	6,9
500	34,5
650	44,8
1000	69,0
1500	103,5
2000	137,9
2250	155,2
2500	172,4
2750	189,7
3500	241,4
4000	275,9
5000	344,8

Débit / Flow	
1 gpm = 3,785 lpm	
gpm	lpm
0,5	1,9
1	3,8
2	7,6
3	11,4
4	15,1
5	18,9
10	37,8
15	56,8
20	75,7
30	113,6
40	151,4
75	283,9

CONVERSION

Puissance / Power	
1 hp = 0,746 kw	
hp	kw
0,5	0,37
1	0,75
2	1,49
3	2,24
4	2,98
5	3,73
10	7,46

Puissance / Power	
1 hp = 0,746 kw	
hp	kw
15	11,19
20	14,92
25	18,65
30	22,38
40	29,84
50	37,30
75	55,95

| NOTES TECHNIQUES / TECHNICAL NOTES

FORMULES / FORMULAS

UNITÉS ANGLAISES / ENGLISH UNITS

$Q_{th} = \frac{D \times N}{231}$			Q = Débit / Flow (gpm)
$HP_{th} = \frac{Q \times P}{1714}$	=	$\frac{T \times N}{5252}$	D = Cylindrée / Displacement (in ³ /r)
$T_{th} = \frac{D \times P}{75.4}$			N = Vitesse de rotation / Speed (rpm)
$N_{th} = \frac{Q \times 231}{D}$	=	$\frac{HP \times 5252}{T}$	P = Pression / Pressure (psi)
			HP = Puissance / Power (hp)
			T = Couple / Torque (lb-ft)

UNITÉS MÉTRIQUES / METRIC UNITS

$Q_{th} = \frac{D \times N}{1000}$			Q = Débit / Flow (lpm)
$HP_{th} = \frac{Q \times P}{600}$	=	$\frac{T \times N}{9543}$	D = Cylindrée / Displacement (cm ³ /r)
$T_{th} = \frac{D \times P}{62.83}$			N = Vitesse de rotation / Speed (rpm)
$N_{th} = \frac{Q \times 1000}{D}$	=	$\frac{HP \times 9543}{T}$	P = Pression / Pressure (bar)
			HP = Puissance / Power (kW)
			T = Couple / Torque (Nm)

EFFICACITÉS POUR POMPES HYDRAULIQUES / EFFICIENCIES FOR HYDRAULIC PUMPS

$Q = Q_{th} \times \eta_v$	η_v = Efficacité volumétrique / Volumetric efficiency = 0.97
$T = \frac{T_{th}}{\eta_{hm}}$	η_{hm} = Efficacité hydro-mécanique / Hydro-mechanical efficiency = 0.88
$HP = \frac{HP_{th}}{\eta_t}$	η_t = Efficacité totale / Overall efficiency = 0.85

GARANTIE

Canimex Inc. ne sera pas responsable des délais occasionnés par les exigences du distributeur, les difficultés ouvrières, les dommages à l'entrepôt, les accidents de toutes sortes, les fléaux de la nature, le manque de marchandises, les décisions gouvernementales ou tout autre cause de force majeure. La responsabilité de Canimex Inc. sera limitée à la garantie émise par le fabricant. La garantie de Canimex Inc. concernant tous les produits hydrauliques ne saurait en aucun cas excéder celle du fabricant. Ces produits sont garantis contre tout défaut pour une période d'un an à compter de la date de facturation de ces produits. En regard des produits qui auront été jugés défectueux pendant cette période, notre seule responsabilité est de remplacer ces produits sans frais, F.A.B. notre entrepôt. Cette garantie ne s'applique pas si le défaut est dû à un emploi abusif; à la négligence (incluant mais non limité à un mauvais entretien ou à un entreposage inadéquat); à un accident; à une mauvaise installation; à une modification (incluant mais non limité à l'utilisation de pièces non conformes); à un mauvais ajustement ou à une mauvaise réparation; à une huile inadéquate; à la détérioration due à une réaction chimique; à l'usure due à la présence d'un produit. Aucune de ces circonstances ne saurait constituer un défaut au sens de la garantie. Canimex Inc. ne peut être tenue responsable pour un dommage quelconque incluant ceux de nature accidentelle ou les conséquences d'un défaut. Canimex Inc. ne sera pas responsable pour tout délai causé par un défaut quelconque, ni pour les réparations effectuées par autrui. Les réparations faites par quelqu'un d'autre que Canimex Inc. ne saurait lier Canimex Inc., et rendront toutes les garanties nulles et sans effet.

WARRANTY

Canimex Inc. shall not be responsible for delays caused by distributor's request, labour troubles, damage to warehouse, accidents of an 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.



Chez CANIMEX, nous redéfinissons les fondements du service, jour après jour.

Les produits de qualité que nous concevons, produisons, assemblons et importons sont le fruit de notre implication proactive.

C'est plus que notre manière de fonctionner. C'est la manière dont nous aimons fonctionner. C'est ce qui fait toute la différence pour nos clients – et pour nous.



At CANIMEX we redefine the meaning of service every day.

The top-quality products we import, design, assemble and produce are supported by our proactive involvement.

More than just the way we do business. It's the way we like to do business. And that makes all the difference in the world to our customers – and to us.

**Division *Hydraulique*
et *Électronique***

CANIMEX INC.

285, Saint-Georges, Drummondville
(Québec) Canada J2C 4H3

1-855-777-1335 | 1-819-477-1335

canimex.com | hyd@canimex.com

