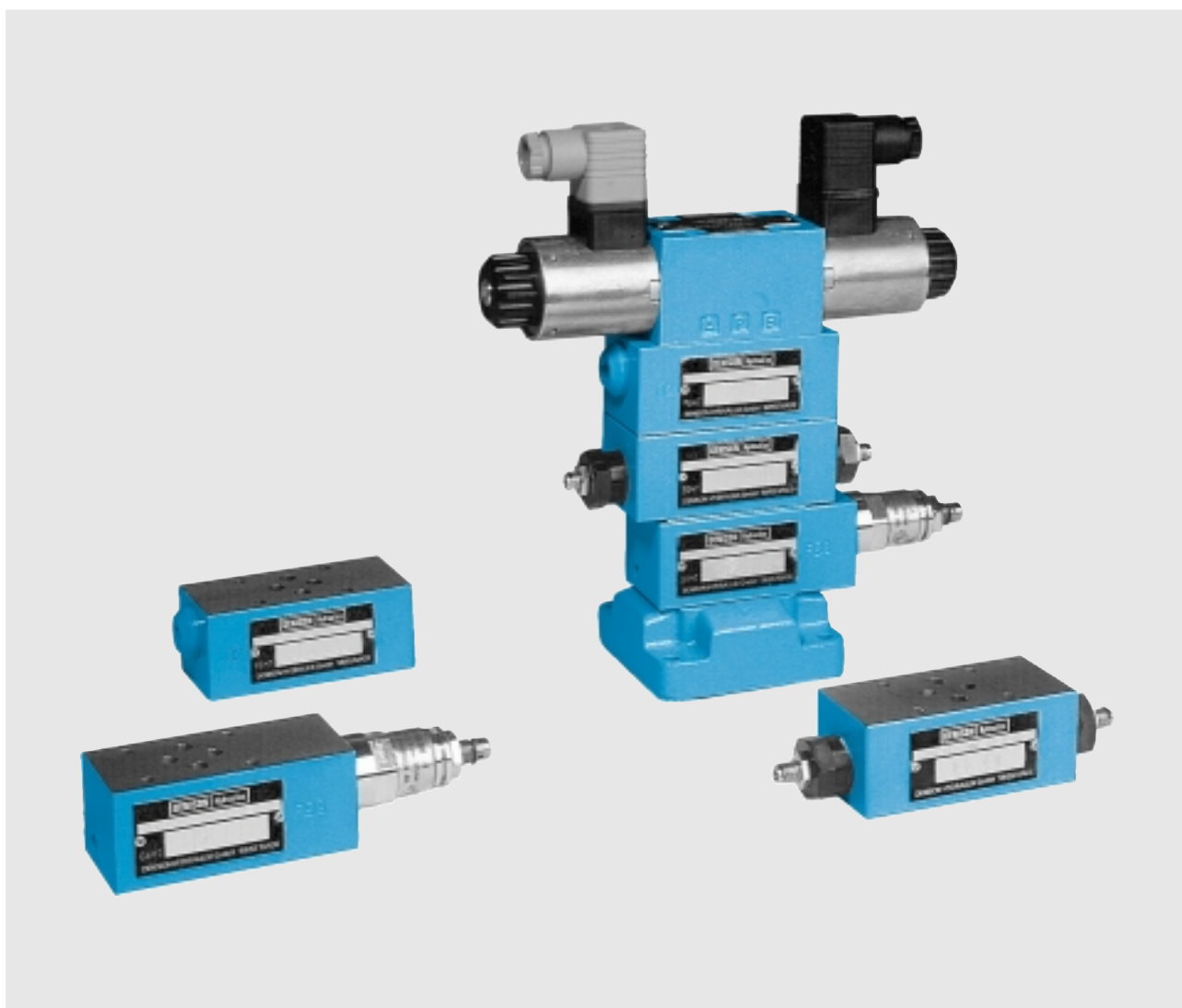


DENISON HYDRAULICS

Éléments modulaires

Cetop 03



Publ. 8-FR 5650-A, remplace 8-FR 565-A

DENISON Hydraulics

DESCRIPTION, SYMBOLE

DESCRIPTION

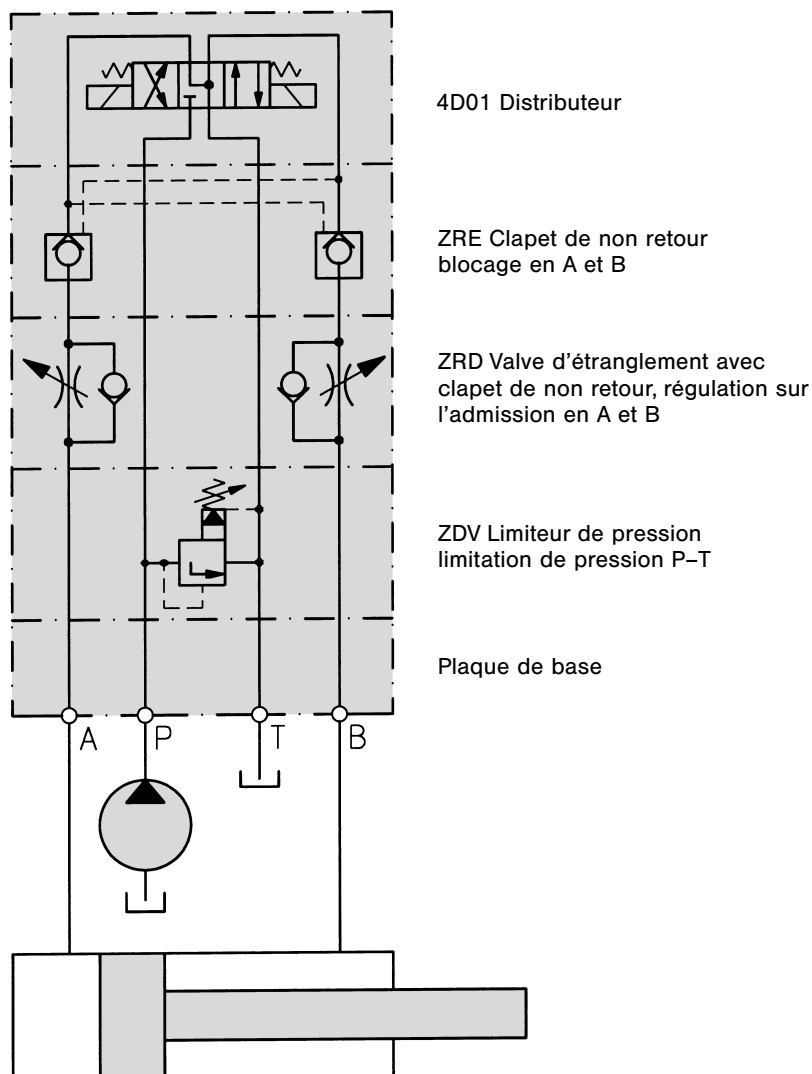
Les valves type sandwich décrites dans ce bulletin peuvent être utilisées en système à empilage vertical ou horizontal.

Les valves de limitation et de réduction de pression, ainsi que les valves d'étranglement avec non retour, les clapets de non retour et les valves d'équilibrage ont un impact normalisé suivant CETOP, ISO et DIN.

Elles répondent aux besoins spécifiques des industries où un système compact de contrôle est imposé.

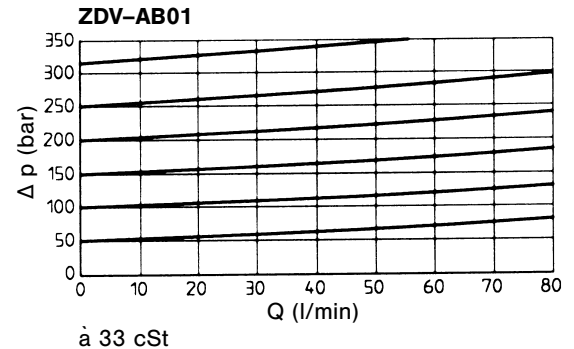
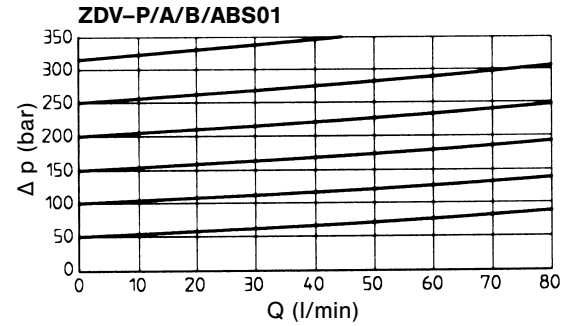
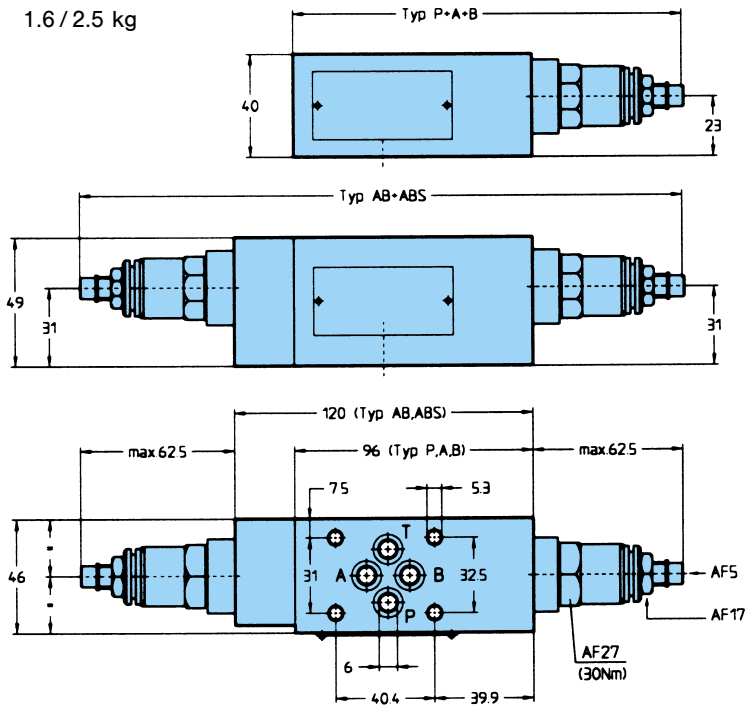
Les valves sandwich Cetop 3 ont le même impact que le distributeur 4D01 et peuvent être disposées comme indiqué dans les pages suivantes.

SYMBOLE (Exemple)



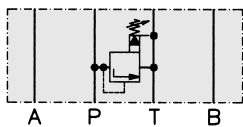
LIMITEUR DE PRESSION – SERIE ZDV

1.6 / 2.5 kg



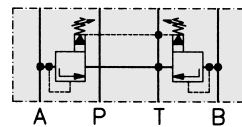
- Gamme de pression 7... 70/350 bar
- Débit maxi 80 l/min
- Gamme de viscosité 10... 500 cSt
- Gamme de température de fluide - 18... + 60 °C

Limitation de pression P-T



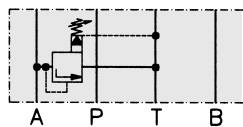
Désignation	Code
ZDV-P01-1-S0-D1	098-91201-0
ZDV-P01-5-S0-D1	098-91202-0

Limitation de pression A-T & B-T



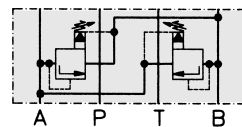
Désignation	Code
ZDV-AB01-1-S0-D1	098-91207-0
ZDV-AB01-5-S0-D1	098-91208-0

Limitation de pression A-T



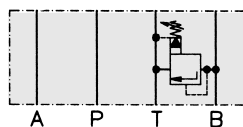
Désignation	Code
ZDV-A01-1-S0-D1	098-91203-0
ZDV-A01-5-S0-D1	098-91204-0

Limitation de pression A-B & B-A



Désignation	Code
ZDV-ABS01-1-S0-D1	098-91209-0
ZDV-ABS01-5-S0-D1	098-91210-0

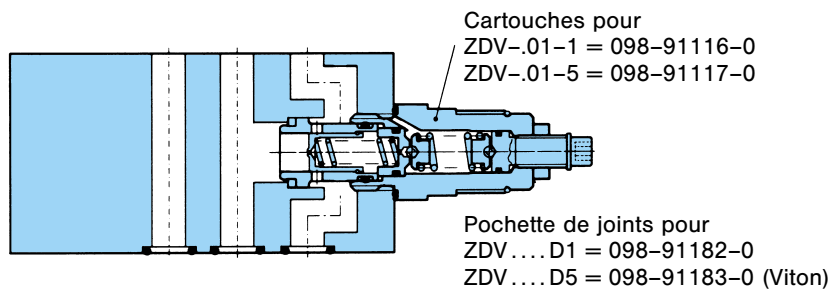
Limitation de pression B-T



Désignation	Code
ZDV-B01-1-S0-D1	098-91205-0
ZDV-B01-5-S0-D1	098-91206-0

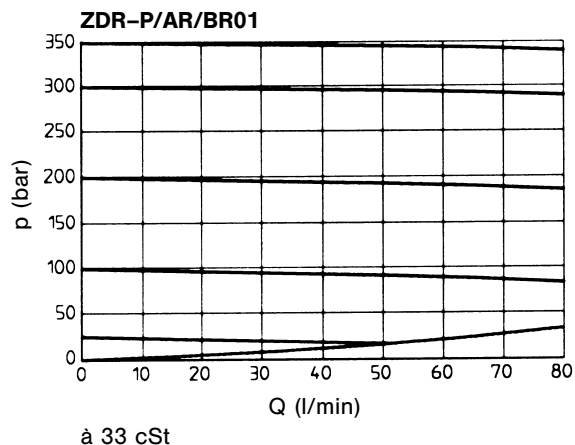
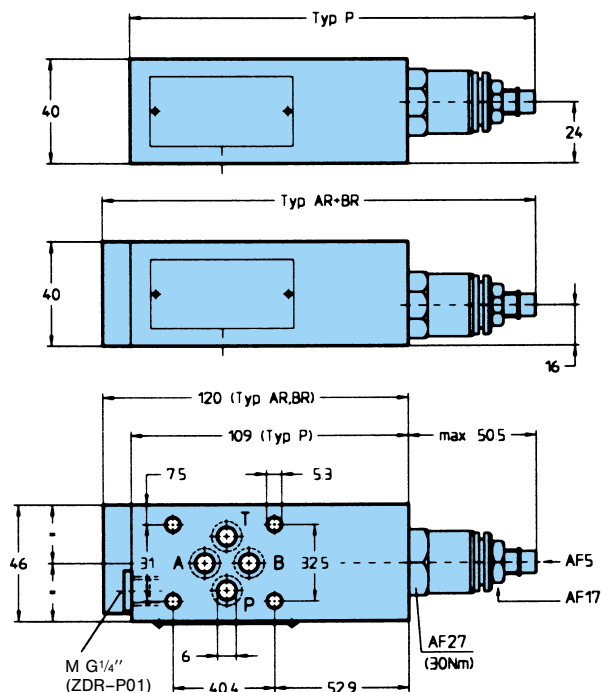
1 = 7... 70 bar
5 = 7... 350 bar

1 = 7... 70 bar
5 = 7... 350 bar



REDUCTEUR DE PRESSION – SERIE ZDR

1.6 / 1.8 kg

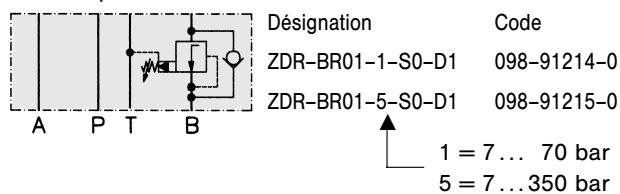


- Gamme de pression 7 ... 70/350 bar
- Débit maxi 80 l/min
- Gamme de viscosité 10 ... 500 cSt
- Gamme de température de fluide -18 ... +60 °C
- Volume de pilote (P, A, B - T) maxi 0.3 l/min

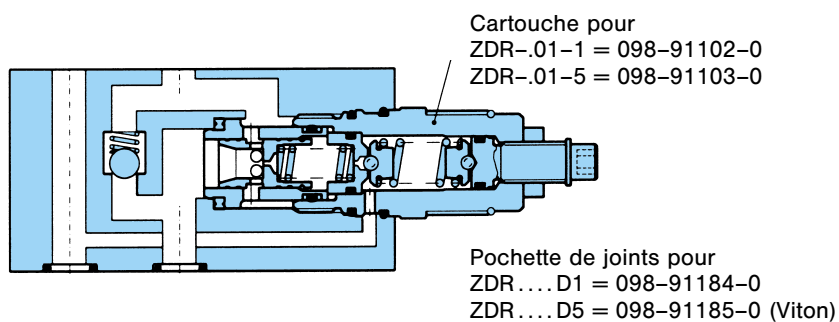
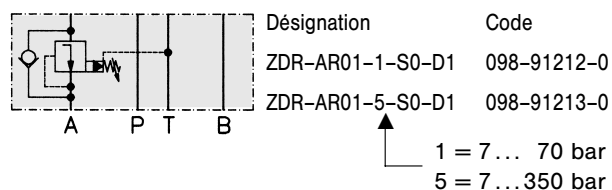
Réduction de pression en P
avec raccordement du manomètre M



Réduction de pression en B
avec clapet de non retour

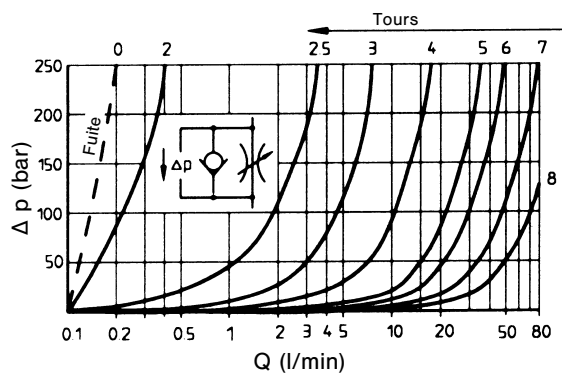
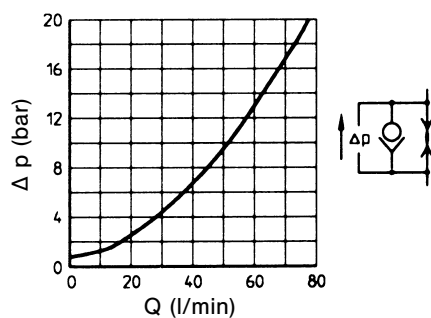
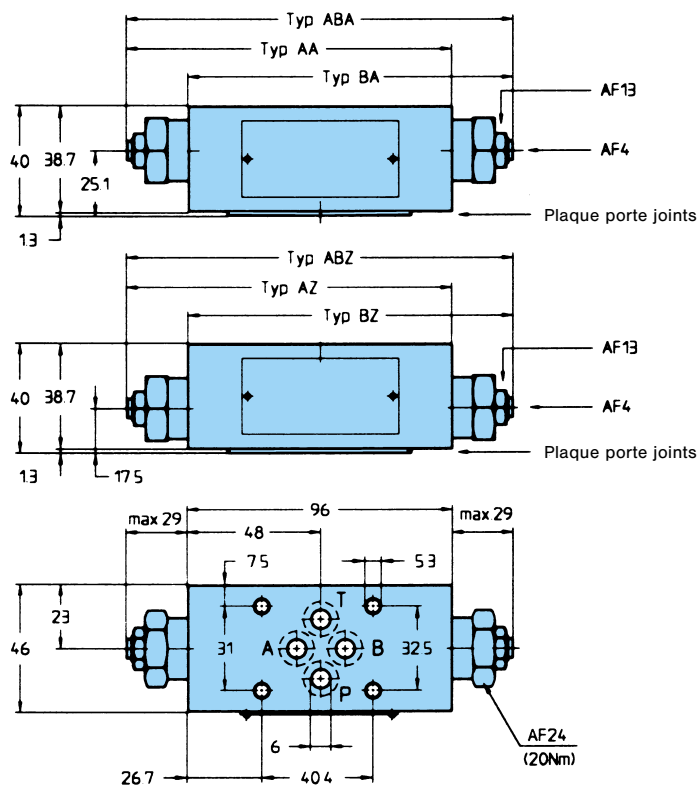


Réduction de pression en A
avec clapet de non retour



VALVE D'ETRANGLEMENT AVEC CLAPET DE NON RETOUR – SERIE ZRD

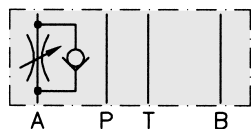
1.2 / 1.3 kg



à 33 cSt

- Gamme de pression 350 bar
- Débit maxi 80 l/min
- Gamme de viscosité 10...500 cSt
- Gamme de température de fluide -18...+60 °C

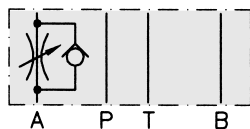
Régulation sur l'admission en A



Désignation ZRD-AZ01-S0-D1

Code 098-91056-0

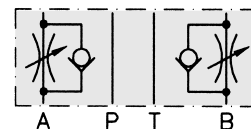
Régulation sur le retour en A



Désignation ZRD-AA01-S0-D1

Code 098-91012-0

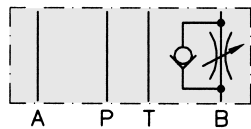
Régulation sur l'admission en A et B



Désignation ZRD-ABZ01-S0-D1

Code 098-91058-0

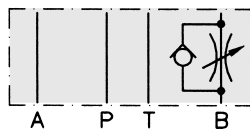
Régulation sur l'admission en B



Désignation ZRD-BZ01-S0-D1

Code 098-91057-0

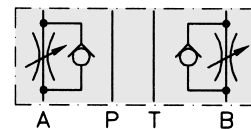
Régulation sur le retour en B



Désignation ZRD-BA01-S0-D1

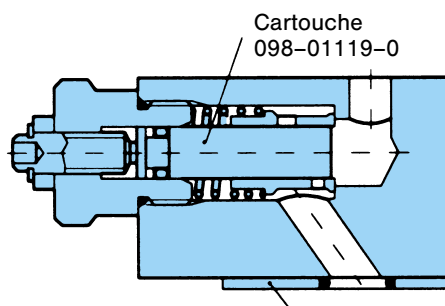
Code 098-91013-0

Régulation sur le retour en A et B



Désignation ZRD-ABA01-S0-D1

Code 098-91014-0

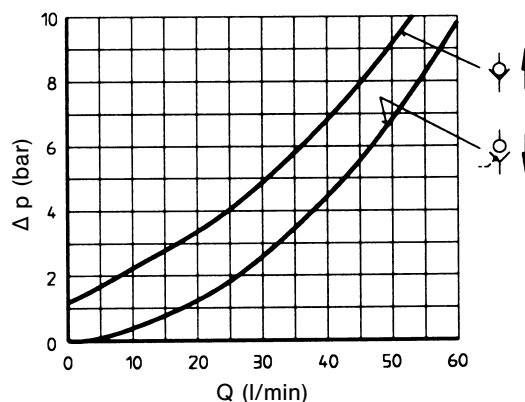
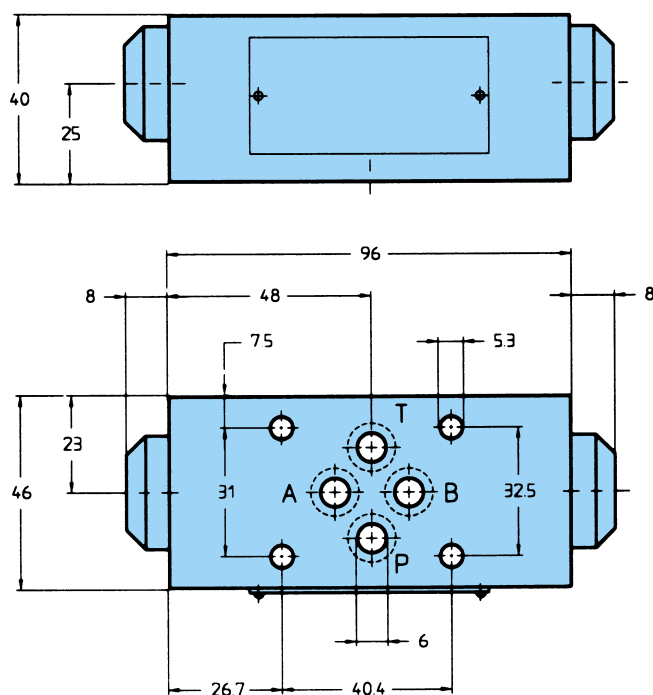


Plaque porte joints S26-27553-0

Pochette de joints pour:
ZRD01...D1 = 098-91096-0
ZRD01...D5 = 098-91097-0 (Viton)

CLAPET DE NON RETOUR PILOTE – SERIE ZRE

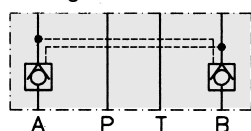
1.2 kg



à 33 cSt

- Gamme de pression maxi 350 bar
- Débit maxi 60 l/min
- Rapport d'ouverture 1 : 6 (cône du pilotage / cône principal)
- Pression d'ouverture 1.2 bar (clapet de non retour)
- Gamme de viscosité 10...500 cSt
- Gamme de température de fluide -18...+60°C

Blocage en A et B



Désignation ZRE-AB01-D1
Code 098-91020-0

Blocage en A

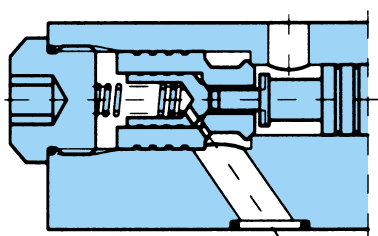


Désignation ZRE-A01-D1
Code 098-91018-0

Blocage en B



Désignation ZRE-B01-D1
Code 098-91019-0



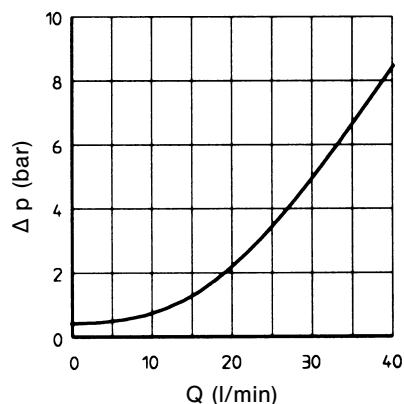
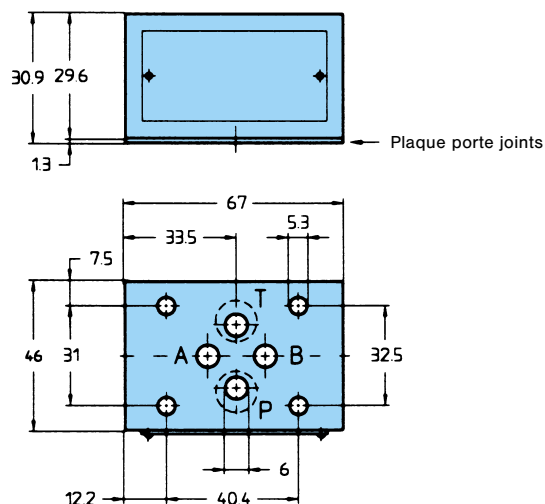
Pochette de joints pour:
ZRE...D1 = 098-91088-0
ZRE...D5 = 098-91089-0 (Viton)

Note: En cas de réparation, il est nécessaire de remplacer la valve car les pièces internes forment un ensemble (sauf la pochette de joints).

CLAPET DE NON RETOUR DIRECTE – SERIE ZRV, ERV

SERIE ZRV

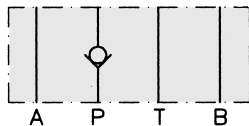
0.7 kg



à 33 cSt

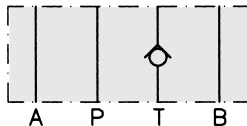
- Gamme de pression maxi 350 bar
- Débit maxi 60 l/min
- Pression d'ouverture 1.2 bar
- Gamme de viscosité 10...500 cSt
- Gamme de température de fluide -18...+60 °C

Blocage en P



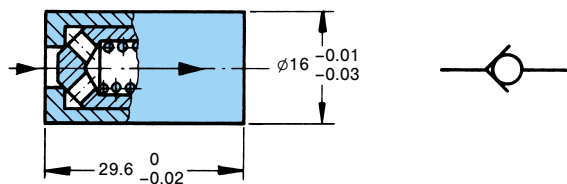
Désignation ZRV-P01
Code 098-90025-0

Blocage en T



Désignation ZRV-T01
Code 098-90026-0

SERIE ERV (CARTOUCHE)

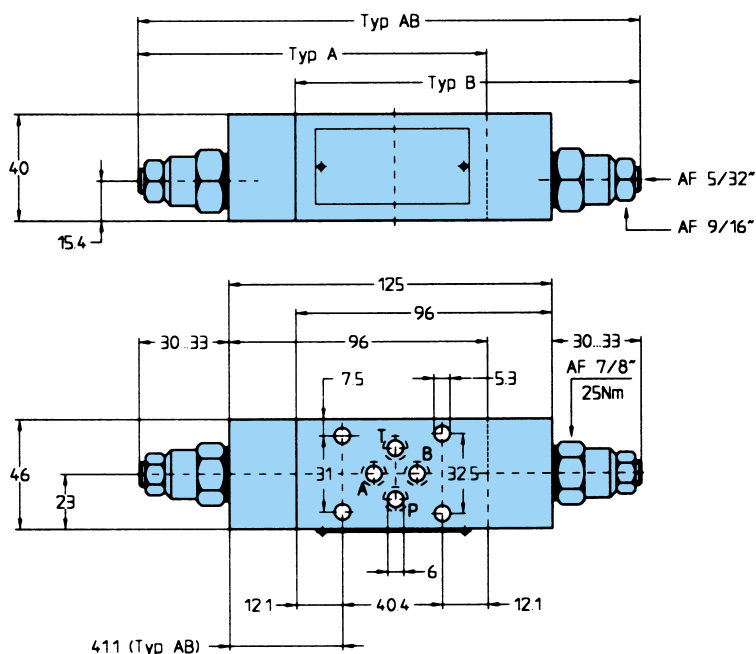


- Pression d'ouverture = 0.5 bar

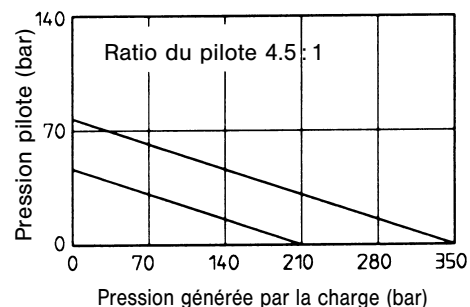
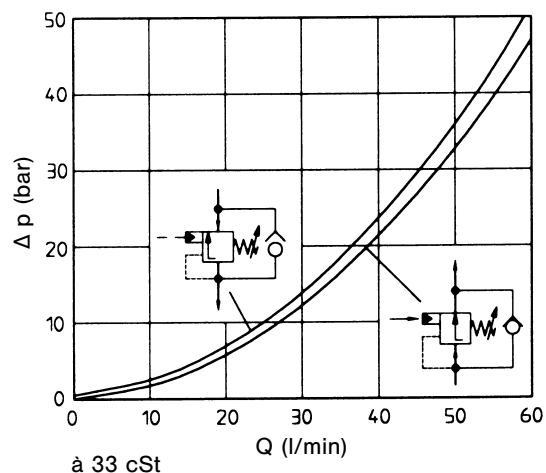
Désignation ERV 01
Code 098-90910-0

VALVE D'EQUILIBRAGE – SERIE ZNS

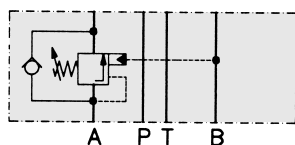
1.3 / 1.6 kg



- Pression mini 70/140 bar
- Pression maxi 175/350 bar
- Débit maxi 60 l/min
- Pression d'ouverture 0.3 bar
- Gamme de viscosité 10...500 cSt
- Gamme de température de fluide -18...+60 °C

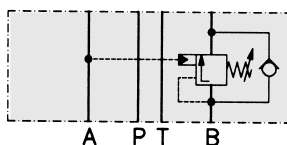


Réglage de pression en A



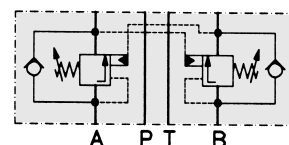
Désignation/Code ZNS-A01-2-S0-D1/098-91126-0
ZNS-A01-5-S0-D1/098-91127-0

Réglage de pression en B



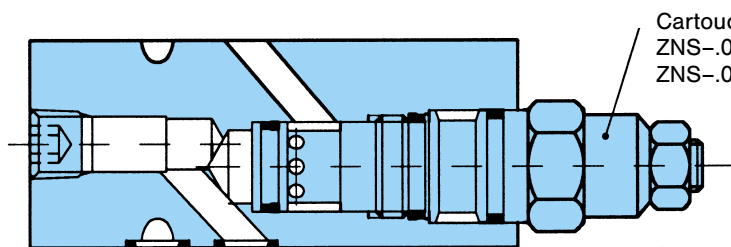
ZNS-B01-2-S0-D1/098-91128-0
ZNS-B01-5-S0-D1/098-91129-0

Réglage de pression en A et B



ZNS-AB01-2-S0-D1/098-91130-0
ZNS-AB01-5-S0-D1/098-91131-0

2 = 70...175 bar
5 = 140...350 bar



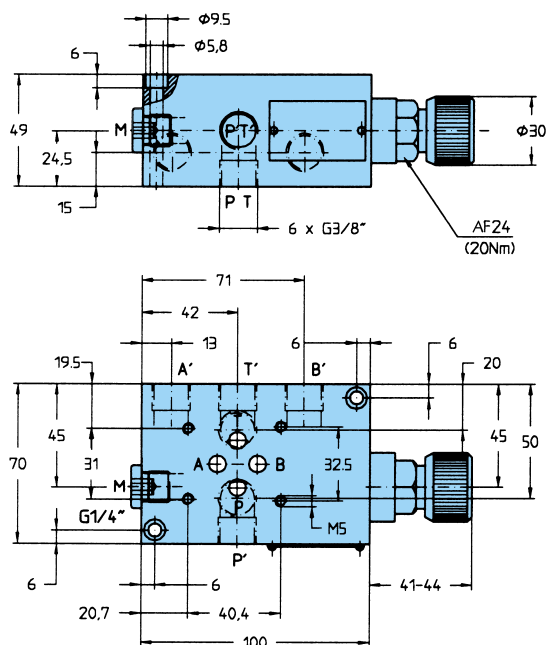
Cartouche pour
ZNS-.01-2 = 517-01017-2
ZNS-.01-5 = 517-00448-8

Pochette de joints pour:
ZNS...D1 = 098-91153-0
ZNS...D5 = 098-91154-0 (Viton)

PLAQUE DE BASE AVEC LIMITEUR DE PRESSION – SERIE GPDV

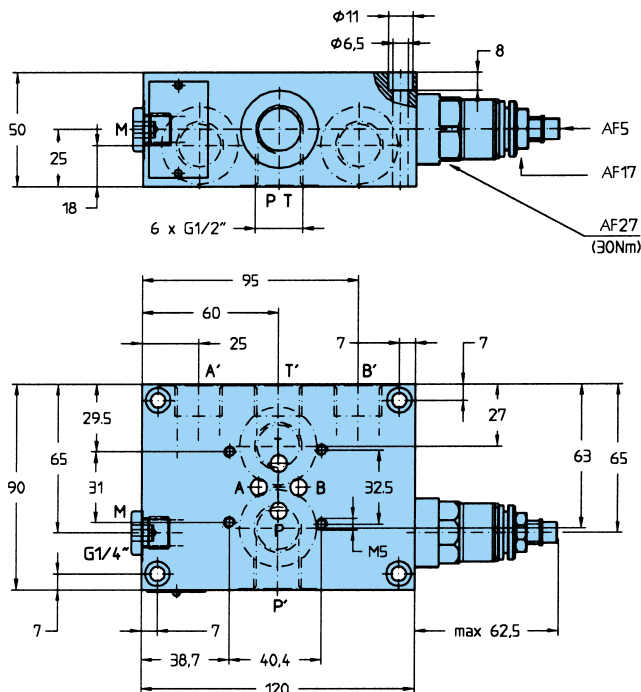
Orifices G 3/8"

2.4 kg

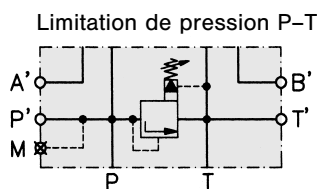
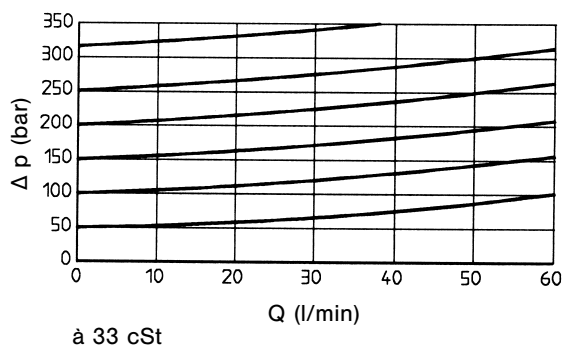


Orifices G 1/2"

3.5 kg



- Gamme de pression 7... 70/350 bar
- Débit maxi 60 l/min
- Gamme de viscosité 10... 500 cSt
- Gamme de température de fluide - 18... + 60 °C



Désignation

Code

Cartouches

Pochette de joints

GPDV01-11-H0-C1

098-91108-0

098-90944-0

098-91149-0

GPDV01-15-H0-C1

098-91109-0

098-90853-0

GPDV01-21-S0-C1

098-91110-0

098-91116-0

098-91151-0

GPDV01-25-S0-C1

098-91111-0

098-91117-0

1 = G 3/8" 1 = 7... 70 bar
2 = G 1/2" 5 = 7... 350 bar

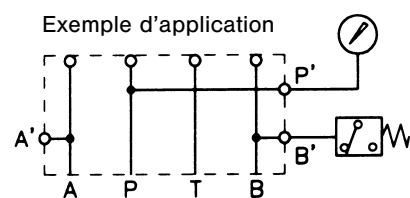
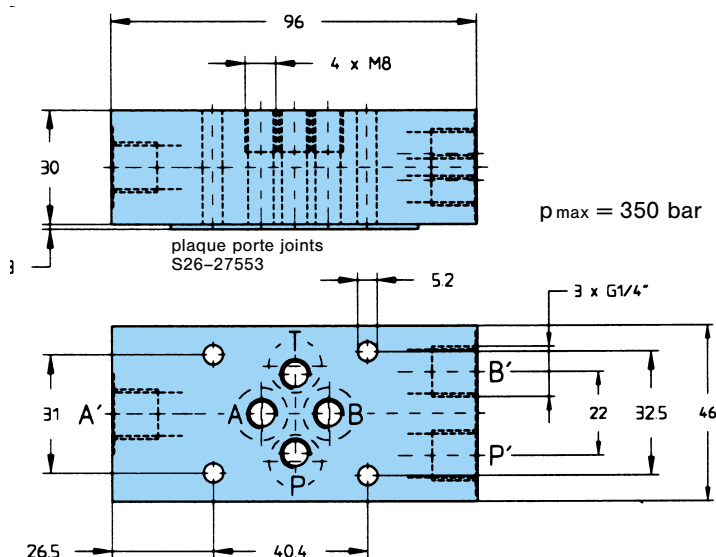
Les bouchons pour obturer les orifices doivent être commandés séparément.

Taille	Code
G 3/8"	700-70341-8
G 1/2"	700-70283-8

PLAQUE DE PRISE DE PRESSION & COUVERCLE

PLAQUE DE PRISE DE PRESSION – SERIE ZAP

0.9 kg



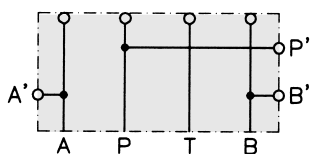
Bouchon pour P', A', B' Code

M8 x 8

700-71870-8

G1/4"

S26-52300-0

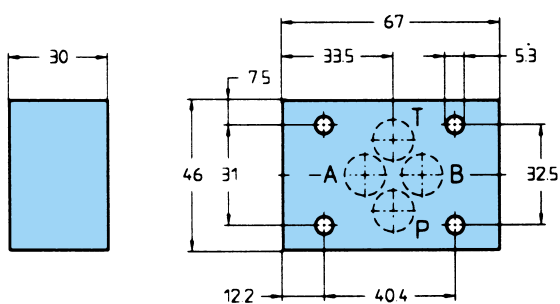


Désignation ZAP-PAB-01

Code 098-90873-0

COUVERCLE – SERIE BA

0.7 kg



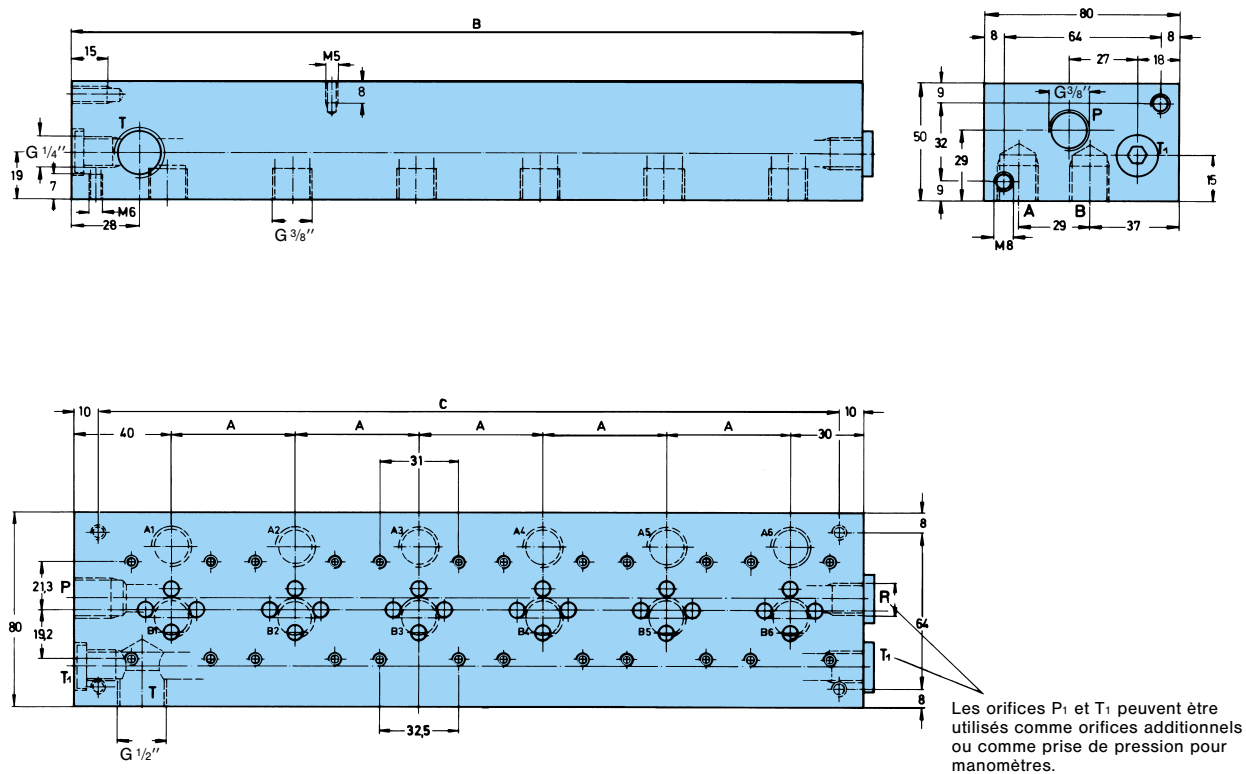
p max = 350 bar



Désignation BA-01

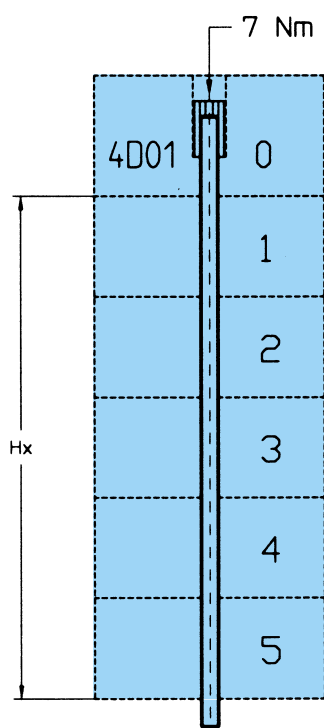
Code 098-90950-0

PLAQUE DE BASE MULTIPLE – SERIE GPU



Qté. de valves	Désignation	Code	Dimensions			Poids (kg)
			A	B	C	
2	GPU 01-2	099-90874-0	51	121	101	2.8
3	GPU 01-3	099-90875-0	51	172	152	4.0
4	GPU 01-4	099-90876-0	51	223	203	5.2
5	GPU 01-5	099-90867-0	51	274	254	6.4
6	GPU 01-6	099-90866-0	51	325	305	7.6

PIECES DE FIXATION



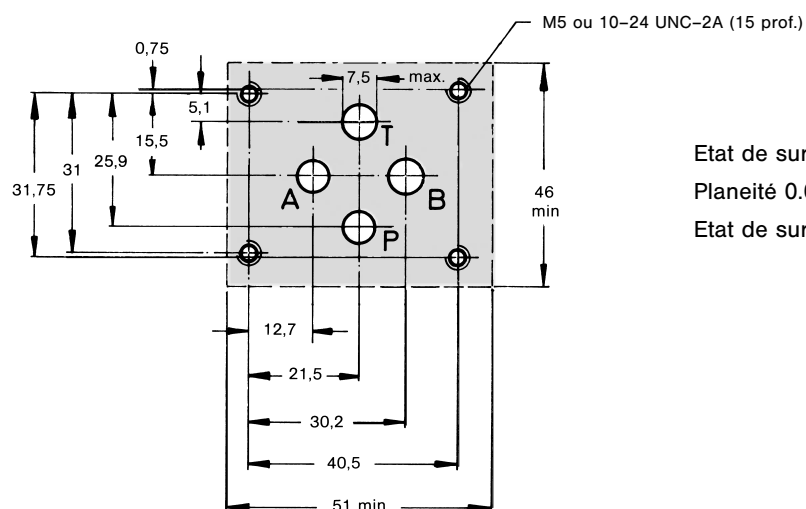
	Combinations	Hx	Code
H = 31 mm ZRV/ZAP = A	1 x A	31	4 x 361-07283-8 ¹
	1 x B	40	4 x 361-07303-8 ¹
	1 x C	49	4 x 361-07323-8 ¹
	2 x A	62	4 x 361-07343-8 ¹
	(1 x A) + (1 x B)	71	4 x 036-84970-0 ²
	(1 x A) + (1 x C)	80	4 x 033-63694-0 ²
	2 x B	80	4 x 033-63694-0 ²
	(1 x B) + (1 x C)	89	4 x 033-82372-0 ²
	(2 x A) + (1 x B)	102	4 x 036-84971-0 ²
	(2 x A) + (1 x C)	111	4 x 033-63695-0 ²
	(1 x A) + (2 x B)	111	4 x 033-63695-0 ²
	H = 40 mm ZDR/ZRE/ZRD/ZNS = B		
	(1 x A) + (1 x B) + (1 x C)	120	4 x 033-82374-0 ²
	3 x B	120	4 x 033-82374-0 ²
	(2 x B) + (1 x C)	129	4 x 033-82375-0 ²
	H = 49 mm ZDV-P/A/B = C		
	(2 x A) + (2 x B)	142	4 x 033-63696-0 ²
	(2 x A) + (1 x B) + (1 x C)	151	4 x 033-82376-0 ²
	(1 x A) + (3 x B)	151	4 x 033-82376-0 ²
	(1 x A) + (2 x B) + (1 x C)	160	4 x 036-84276-0 ²
	4 x B	160	4 x 036-84276-0 ²
	(3 x B) + (1 x C)	169	4 x 033-63697-0 ²
	(2 x A) + (3 x B)	182	4 x 036-84972-0 ²
	(1 x A) + (4 x B)	191	4 x 036-36952-0 ²
	(2 x A) + (2 x B) + (1 x C)	191	4 x 036-36952-0 ²
	(1 x A) + (3 x B) + (1 x C)	199	4 x 036-84277-0 ²
	5 x B	200	4 x 036-84277-0 ²

¹ Vis

² Tirants (Veuillez commander 4 ecrous (M5) 036-84483-0 supplémentaires)

IMPACT POUR MONTAGE SUR BLOC

Impact conforme aux normes CETOP, ISO et DIN



Etat de surface du plan de pose.
Planeité 0.01 mm sur 100 mm de long.
Etat de surface $\sqrt{0.8}$ (μm)

Note:

Informations sur les distributeurs 4D01 (CETOP 03) et les plaques de base simple dans les bulletins 4-FR 306 (solénoïde C.A.) et 4-FR 306 (solénoïde C.C.).