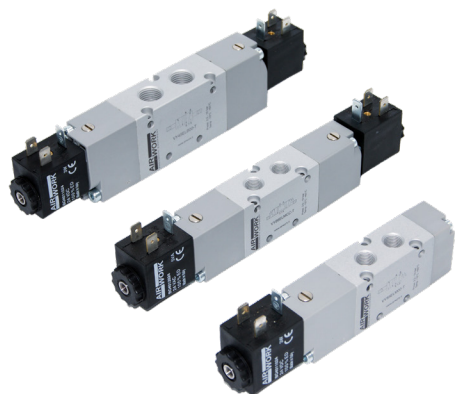




Airwork's solenoid valves combine big resistance, reliability and versatility of assemblage; the VY series can be assembled in several ways: In-line, on panel, on multiple bases, on manifolds and on cylinders.

Available size are 1/8, 1/4 and 1/2, the available functions are 3/2, 5/2 and 5/3.

La série des électrovalves à raccordement direct série VY d'AIRWORK a des caractéristiques multiples de robustesse, de fiabilité et de montage.

En ligne, sur embase multiple, assemblée et directement sur le vérin.

Il est disponible en taille 1/8, 1/4 et 1/2 ainsi qu'en fonction 3/2, 5/2 et 5/3.

La serie di elettrovalvole serie VY di Airwork, possiedono caratteristiche di grande robustezza, affidabilità e versatilità di montaggio, infatti la serie VY si possono montare in diversi modi: in linea, a parete, su base multipla, su collettori e persino direttamente su cilindro.

Sono disponibili in tre taglie 1/8, 1/4 e 1/2 nelle funzioni 3/2, 5/2 e 5/3.

TECHNICAL DATA / DONNÉES TECHNIQUES / DATI TECNICI

	1/8	1/4	1/2
Flow rate 6 bar Δp 1 bar / Débit à 6 bar Δp 1 bar / Portata a 6 bar Δp 1 bar	550 Nl/min	1100 Nl/min	4600 Nl/min
Nominal orifice / Diamètre nominal / Diametro nominale	5mm	7.5mm	13mm
Response times mono-stable / Temps réponse monostable / Tempi risposta monostabile	TRA 15ms / TRR 35ms	TRA 19ms / TRR 45ms	TRA 39ms / TRR 60ms
Response times bi-stable / Temps réponse bistable / Tempi risposta bistabile	TRA 20ms / TRR 20ms	TRA 22ms / TRR 22ms	TRA 90ms / TRR 90ms
Coils tension / Tension bobine / Tensione bobine	12VDC - 24VDC - 24VAC - 110VAC - 220VAC 50/60Hz		
Pressure range / Pression d'utilisation / Pressione di esercizio	2.5 ÷ 10bar		
Temperature range / Température d'utilisation / Temperatura di esercizio	-10°C ÷ +60°C		
Voltage tolerance / Tolérance / Tolleranza tensione	± 10%		
Power consumption / Absorption / Assorbimento	2W (DC) - 3VA (AC)		
Isulation / Classe / Isolamento	classe F		

FAST SELECT / SELECTION RAPIDE / SELEZIONE RAPIDA

	monostable / monostable / monostabile VY83ELMNC-T 3/2 1/8 NC / NF / NC VY43ELMNC-T 3/2 1/4 NC / NF / NC VY23ELMNC-T 3/2 1/2 NC / NF / NC
	monostable / monostable / monostabile VY83ELMNA-T 3/2 1/8 NO / NO / NA VY43ELMNA-T 3/2 1/4 NO / NO / NA VY23ELMNA-T 3/2 1/2 NO / NO / NA
	separate air supply / alimentation séparée / alimentazione separata VY83ELB00-T 3/2 1/8 NC / NF / NC VY43ELB00-T 3/2 1/4 NC / NF / NC VY23ELB00-T 3/2 1/2 NC / NF / NC
	bi-stable / bistable / bistabile VY83ELB00-T 3/2 1/8 VY43ELB00-T 3/2 1/4 VY23ELB00-T 3/2 1/2
	separate air supply / alimentation séparée / alimentazione separata VY83EAB00-T 3/2 1/8 VY43EAB00-T 3/2 1/4 VY23EAB00-T 3/2 1/2
	monostable / monostable / monostabile VY85ELM00-T 5/2 1/8 VY45ELM00-T 5/2 1/4 VY25ELM00-T 5/2 1/2
	separate air supply / alimentation séparée / alimentazione separata VY85EAM00-T 5/2 1/8 VY45EAM00-T 5/2 1/4 VY25EAM00-T 5/2 1/2
	bi-stable / bistable / bistabile VY85ELB00-T 5/2 1/8 VY45ELB00-T 5/2 1/4 VY25ELB00-T 5/2 1/2

	separate air supply / alimentation séparée / alimentazione separata VY85EAB00-T 5/3 1/8 VY45EAB00-T 5/3 1/4 VY25EAB00-T 5/3 1/2
	monostable / monostable / monostabile VY86ELMCC-T 5/3 1/8 CC / CF / CC VY46ELMCC-T 5/3 1/4 CC / CF / CC VY26ELMCC-T 5/3 1/2 CC / CF / CC
	monostable / monostable / monostabile VY86ELMCA-T 5/3 1/8 CO / CO / CA VY46ELMCA-T 5/3 1/4 CO / CO / CA VY26ELMCA-T 5/3 1/2 CO / CO / CA
	monostable / monostable / monostabile VY86ELMCP-T 5/3 1/8 CP / CP / CP VY46ELMCP-T 5/3 1/4 CP / CP / CP VY26ELMCP-T 5/3 1/2 CP / CP / CP
	separate air supply / alimentation séparée / alimentazione separata VY86EAMCC-T 5/3 1/8 CC / CF / CC VY46EAMCC-T 5/3 1/4 CC / CF / CC VY26EAMCC-T 5/3 1/2 CC / CF / CC
	separate air supply / alimentation séparée / alimentazione separata VY86EAMCA-T 5/3 1/8 CO / CO / CA VY46EAMCA-T 5/3 1/4 CO / CO / CA VY26EAMCA-T 5/3 1/2 CO / CO / CA
	separate air supply / alimentation séparée / alimentazione separata VY86EAMCP-T 5/3 1/8 CP / CP / CP VY46EAMCP-T 5/3 1/4 CP / CP / CP VY26EAMCP-T 5/3 1/2 CP / CP / CP

THE KEY POINTS / LES POINTS CLES / PUNTI DI FORZA

Spool seals high quality to guarantee operation under all conditions and temperatures.

Joints de tiroir de haute qualité garantissent un très bon fonctionnement dans des conditions de températures élevées.

Guarnizioni spola ad altissima prestazione per garantire un funzionamento perfetto in tutte le condizioni e temperatura.

Manual operating in steel nickel-plated unlike the plastic component this one provides strength and precision even after many interventions.

Commande manuelle en acier nickelé à la différence du composant en plastique. Elle présente une résistance et fournit une précision même après de nombreuses interventions.

L'intervento manuale in acciaio nichelato a differenza di componenti in plastica, fornisce la resistenza e precisione anche dopo molti interventi.

Valve's body is very important and it is realized from a full bar, turned and milled on CNC machines, then anodized to give more strength to it and painted to cover any possible outside imperfection.

Le corps de la vanne est très important. Réalisé à partir d'une barre, tournée, fraisée sur des machines CNC, puis anodisé pour donner plus de force puis peint.

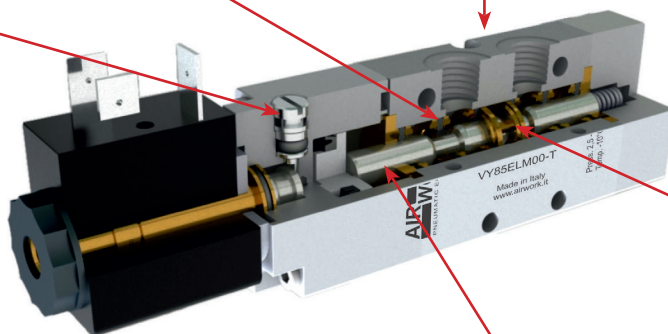
Il corpo valvola è molto importante ed è realizzato da una barra piena, tornito e fresato su macchine a controllo numerico, quindi anodizzato per dare più durezza alla superficie e poi verniciato

Spacer cages in brass.

Unlike the plastic, brass ones do not deform with the change of temperature, giving more stability to the seals and avoiding any possible backlash.

Cages d'espacement en laiton. Contrairement à la matière plastique, les cuivres ne se déforment pas avec le changement de température, ce qui donne une plus grande stabilité des joints et évite toute réaction possible.

Le gabbie distanziali in ottone a differenza della plastica, non si deformano con il variare della temperatura dando maggiore stabilità alle guarnizioni ed evitando ogni possibile reazione.



Other strengths / Autres points forts / Altri punti di forza

- Guaranteed for 50 million cycles / **Garantié pour 50 millions de cycles** / *Garantita per 50 milioni di cicli.*

- Manifolds mounting / **Collecteurs de montage** / *Collettori di montaggio.*

- Wall mounting / **Montage mural** / *Montaggio a parete.*

- Cylinder mounting / **Montage sur vérin** / *Montaggio su cilindro.*

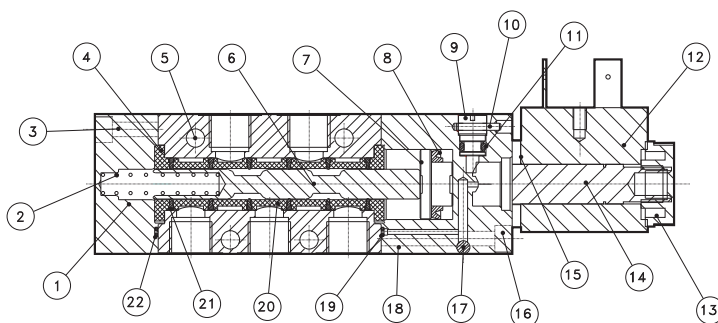
- Strong and stylish packaging / **Emballage solide et élégant** / *Imballaggio solido ed elegante.*

Machined aluminum spool precisely finished with chemical nickel treatment: the result is very low roughness and a longer duration of seals

Tiroir en aluminium usiné avec finitions au traitement de nickel chimique: le résultat est une très faible rugosité et une plus longue durée de vie des joints.

Spola in alluminio lavorata con finitura di precisione con trattamento di nichelatura chimica: il risultato è una rugosità molto bassa e una maggiore durata delle guarnizioni spola.

COMPONENTS / COMPOSANTS / COMPONENTI



pos. description / **description** / *descrizione*

1 spring bottom / **fond ressort** / *fondello molla*

2 spring / **ressort** / *molla*

3 screw / **vis** / *vite*

4 spool distance / **tiroir distanciel** / *distanziale spola*

5 body valve / **corps valve** / *corpo valvola*

6 spool / **tiroir** / *spola*

7 piston / **piston** / *pistone*

8 piston seal / **joint piston** / *guarnizione pistone*

9 manual operating / **commande manuelle** / *intervento manuale*

10 plug / **rotor** / *spina*

11 o-ring / **joint torique**

12 coil / **bobine** / *bobina*

13 nut M8x0,75 / **écrou M8x0,75** / *dado M8x0,75*

14 tube / **tube** / *tubetto*

15 tube plaque / **tube** / *piastrella tubetto*

16 screw / **vis** / *vite*

17 sphere / **sphère** / *sfera*

18 electric bottom / **fond electrique** / *fondello elettrico*

19 o-ring / **joint torique**

20 cage distance / **cage tiroir** / *distanziale gabbia*

21 spool seal / **joint du tiroir** / *guarnizioni spola*

22 o-ring / **joint torique**

material / **matière** / *materiale*

plastic and aluminium / **plastique et aluminium** / *plastica e alluminio*

C98 steel / **acier C98** / *acciaio C98*

steel / **acier** / *acciaio*

brass / **laiton** / *ottone*

aluminium / **aluminium** / *alluminio*

aluminium / **aluminium** / *alluminio*

Delring 500

NBR

brass / **laiton** / *ottone*

steel / **acier** / *acciaio*

NBR

plastic / **plastique** / *plastica*

brass / **laiton** / *ottone*

steel / **acier** / *acciaio*

steel / **acier** / *acciaio*

steel / **acier** / *acciaio*

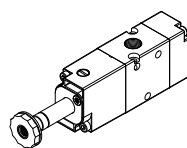
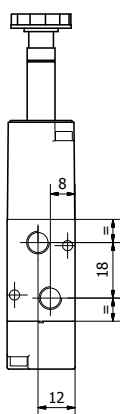
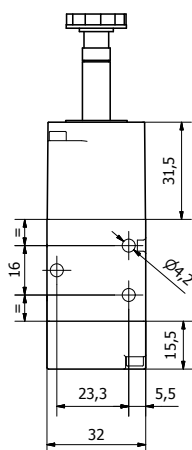
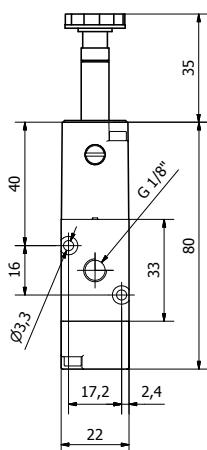
plastic and aluminium / **plastique et aluminium** / *plastica e alluminio*

NBR

brass / **laiton** / *ottone*

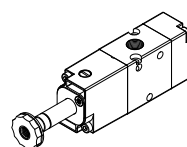
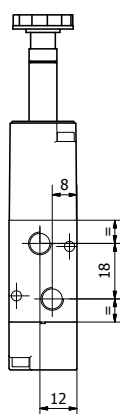
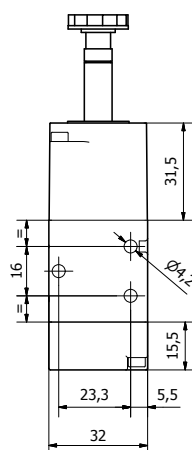
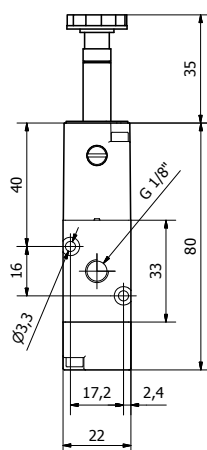
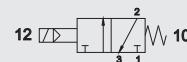
NBR

NBR



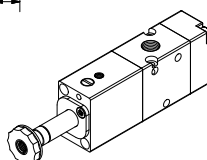
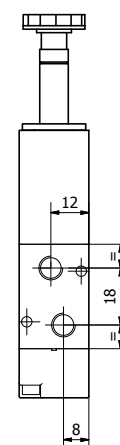
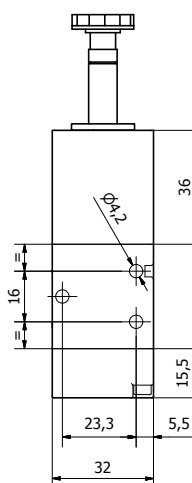
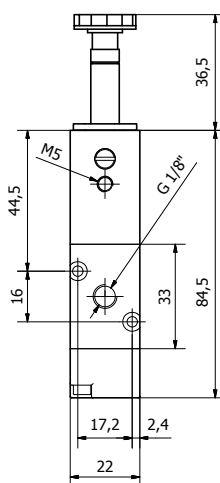
1/8 - 3/2 NC monostable
1/8 - 3/2 NF monostable
1/8 - 3/2 NC monostabile

CODE
VY83ELMNC-T



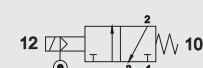
1/8 - 3/2 NO monostable
1/8 - 3/2 NO monostable
1/8 - 3/2 NA monostabile

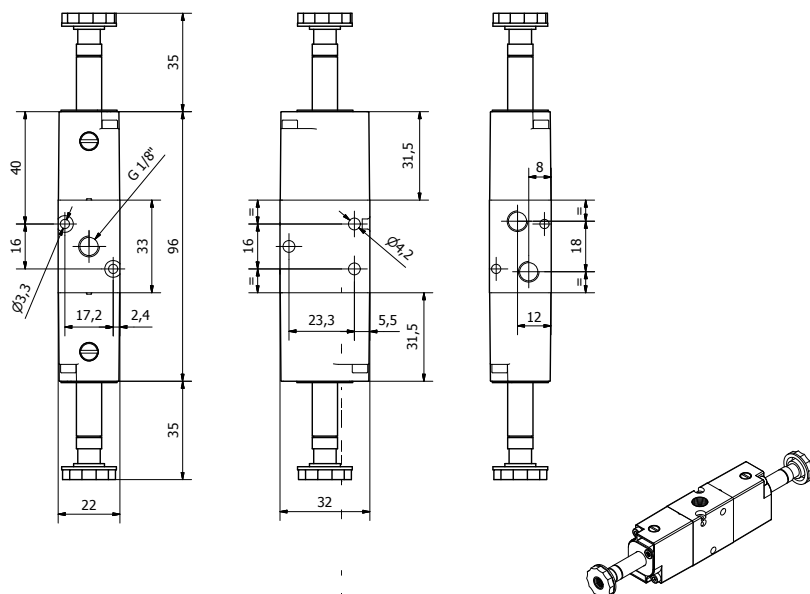
CODE
VY83ELMNA-T



1/8 - 3/2 NC monostable separate air supply
1/8 - 3/2 NF monostable alimentation séparée
1/8 - 3/2 NC monostabile alimentazione separata

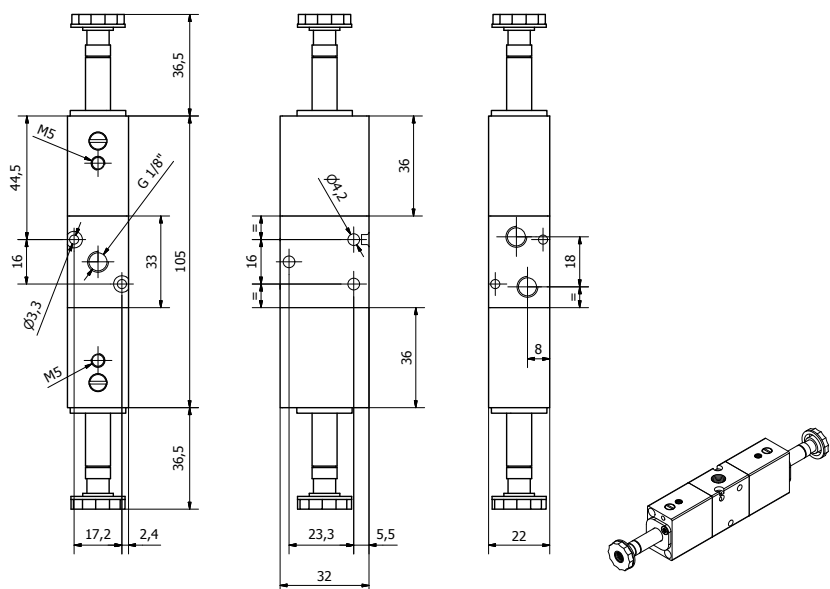
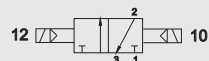
CODE
VY83EAMNC-T





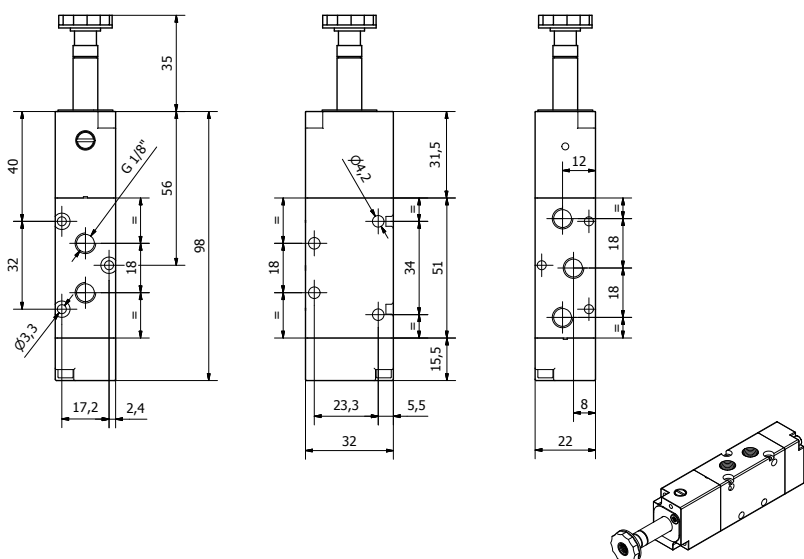
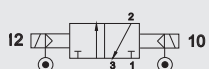
1/8 - 3/2 bistable
1/8 - 3/2 bistable
1/8 - 3/2 bistabile

CODE
VY83ELB00-T



1/8 - 3/2 bistable separate air supply
1/8 - 3/2 bistable alimentation séparée
1/8 - 3/2 bistabile alimentazione separata

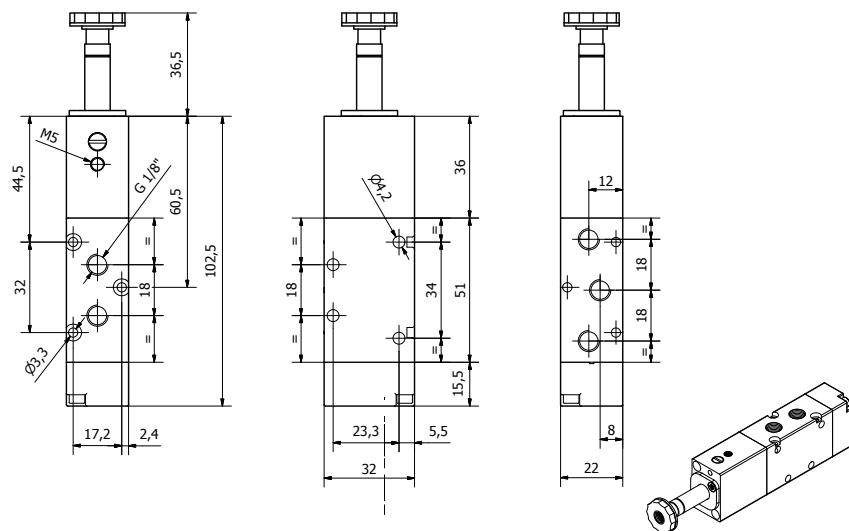
CODE
VY83EAB00-T



1/8 - 5/2 monostable
1/8 - 5/2 monostable
1/8 - 5/2 monostabile

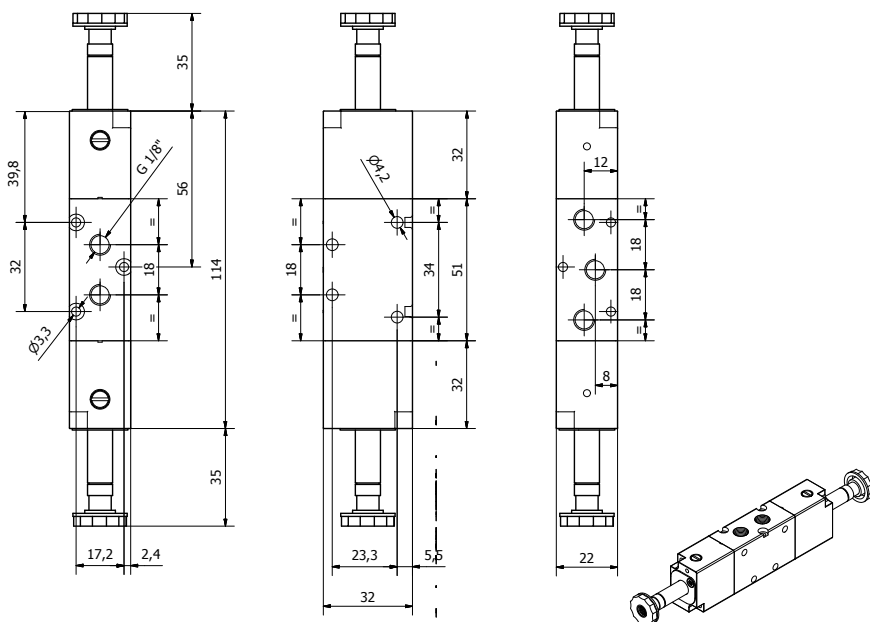
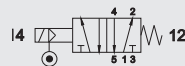
CODE
VY85ELM00-T





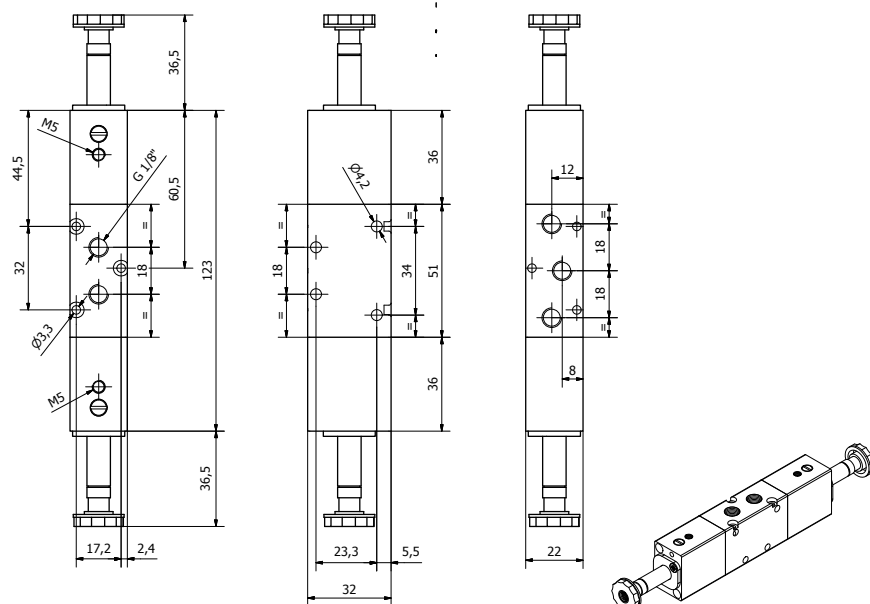
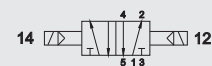
1/8 - 5/2 monostable separate air supply
1/8- 5/2 monostable alimentation séparée
1/8 - 5/2 monostabile alimentazione separata

CODE
VY85EAM00-T



1/8 - 5/2 bistable
1/8- 5/2 bistable
1/8 - 5/2 bistabile

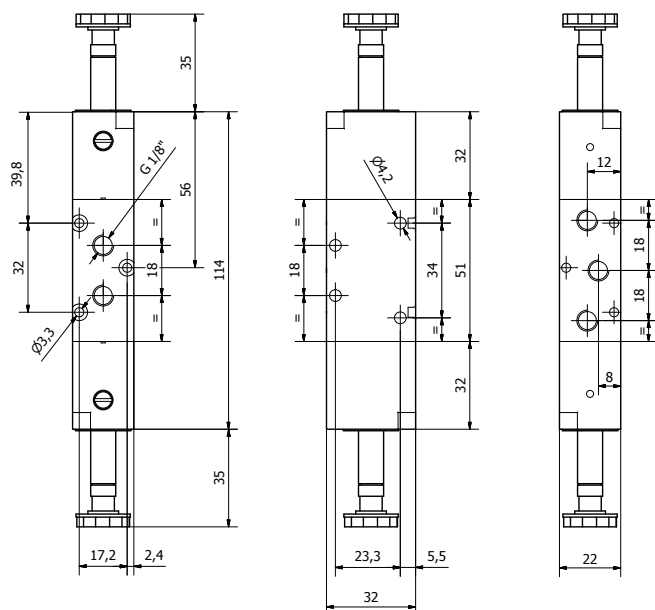
CODE
VY85ELB00-T



1/8 - 5/2 bistable separate air supply
1/8- 5/2 bistable alimentation séparée
1/8 - 5/2 bistabile alimentazione separata

CODE
VY85EAB00-T





1/8 - 5/3 monostable
1/8 - 5/3 monostable
1/8 - 5/3 monostabile

CODE

VY86ELMCC-T CC / CF / CC



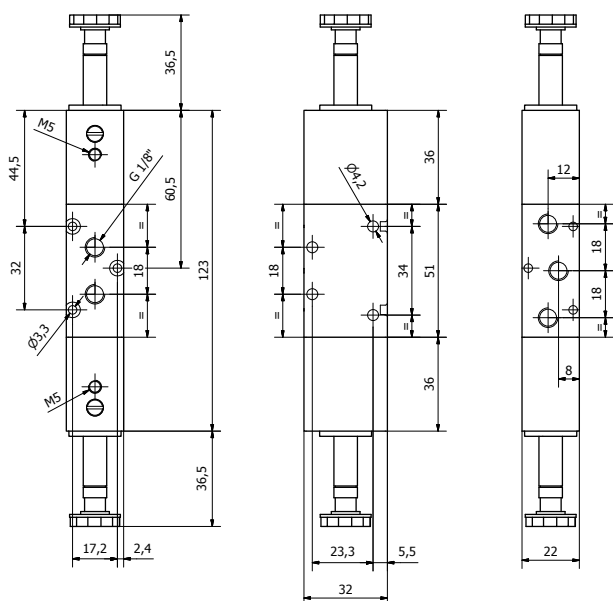
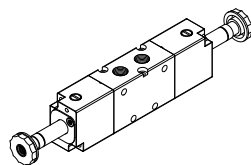
CODE

VY86ELMCA-T CO / CO / CA



CODE

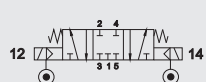
VY86ELMCP-T CP / CP / CP



1/8 - 5/3 monostable separate air supply
1/8 - 5/3 monostable alimentation séparée
1/8 - 5/3 monostabile alimentazione separata

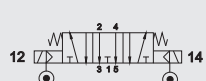
CODE

VY86EAMCC-T CC / CF / CC



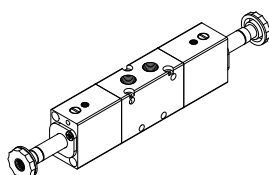
CODE

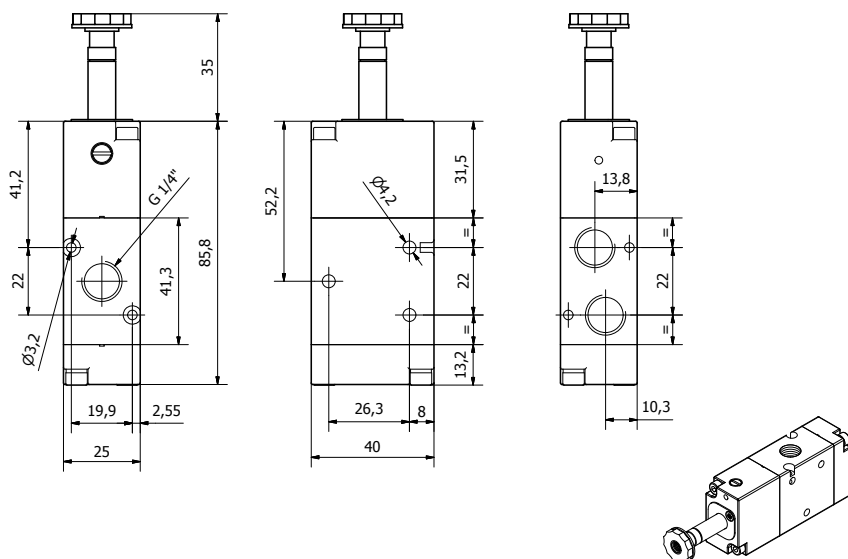
VY86EAMCA-T CO / CO / CA



CODE

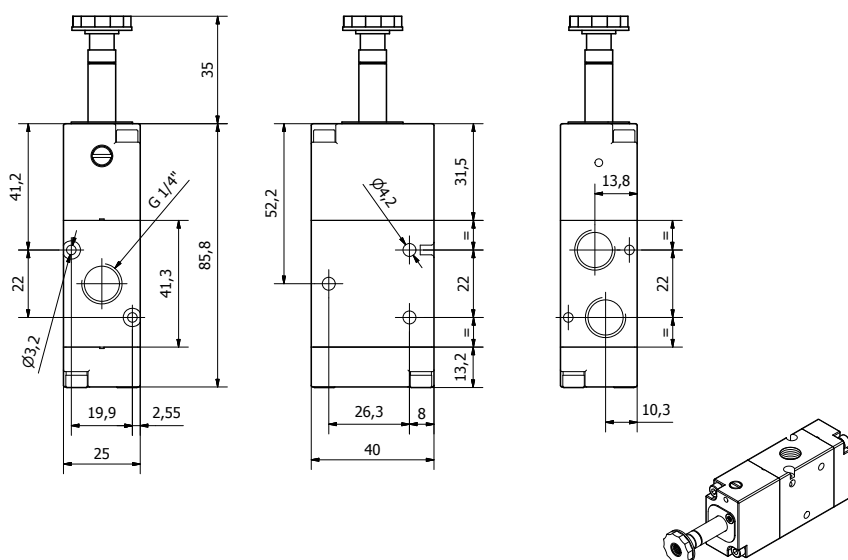
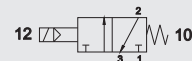
VY86EAMCP-T CP / CP / CP





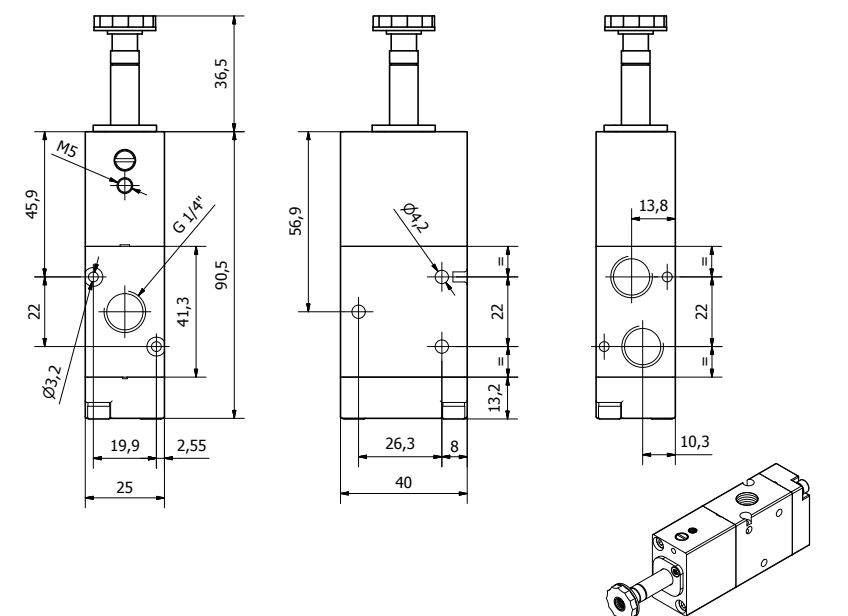
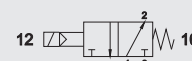
1/4 - 3/2 NC monostable
1/4 - 3/2 NF monostable
1/4 - 3/2 NC monostabile

CODE
VY43ELMNC-T



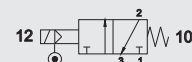
1/4 - 3/2 NO monostable
1/4 - 3/2 NO monostable
1/4 - 3/2 NA monostabile

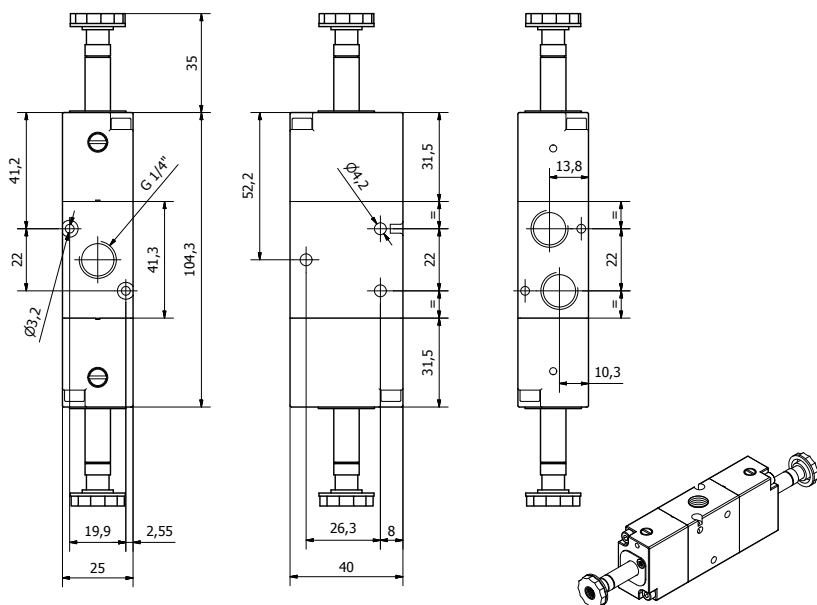
CODE
VY43ELMNA-T



1/4 - 3/2 NC monostable separate air supply
1/4 - 3/2 NF monostable alimentation séparée
1/4 - 3/2 NC monostable alimentazione separata

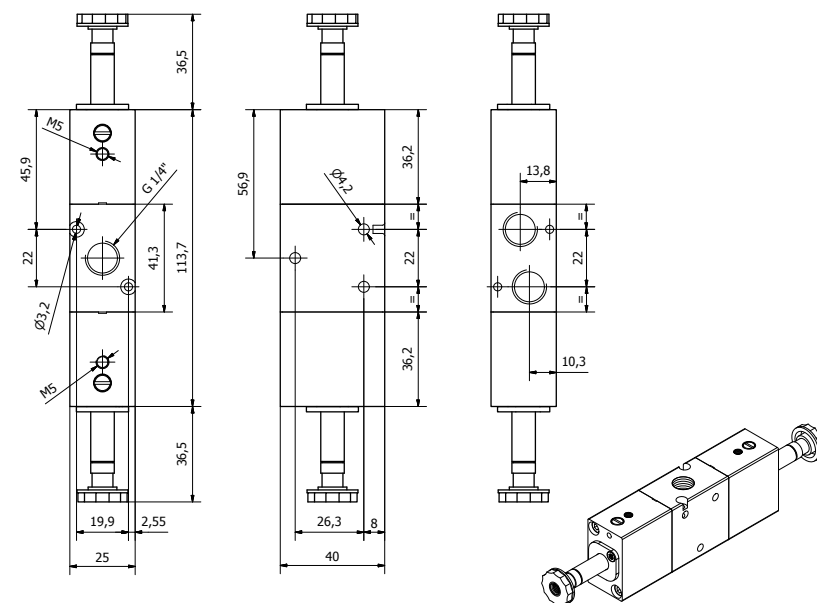
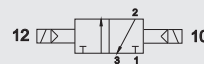
CODE
VY43EAMNC-T





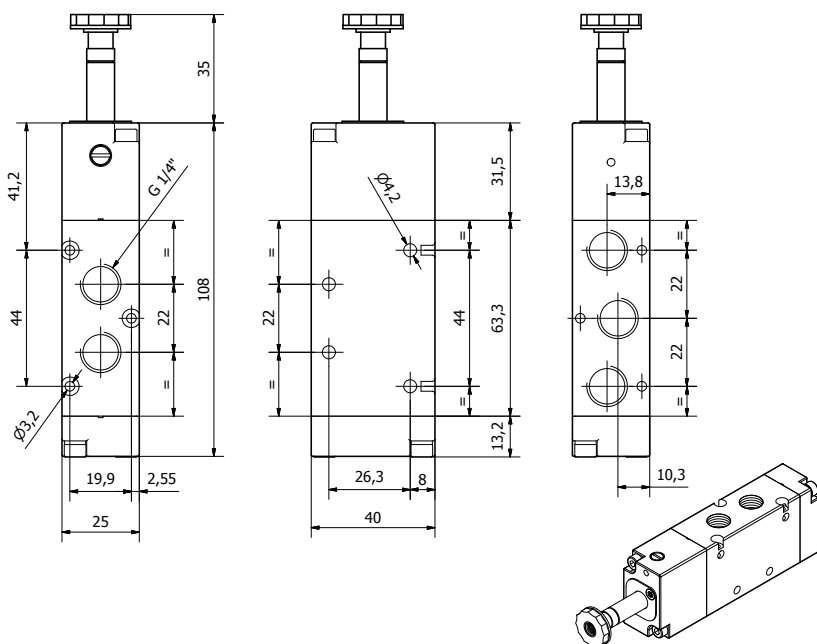
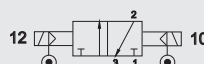
1/4 - 3/2 bistable
1/4 - 3/2 bistable
1/4 - 3/2 bistabile

CODE
VY43ELB00-T



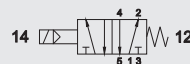
1/4 - 3/2 bistable separate air supply
1/4 - 3/2 bistable alimentation séparée
1/4 - 3/2 bistabile alimentazione separata

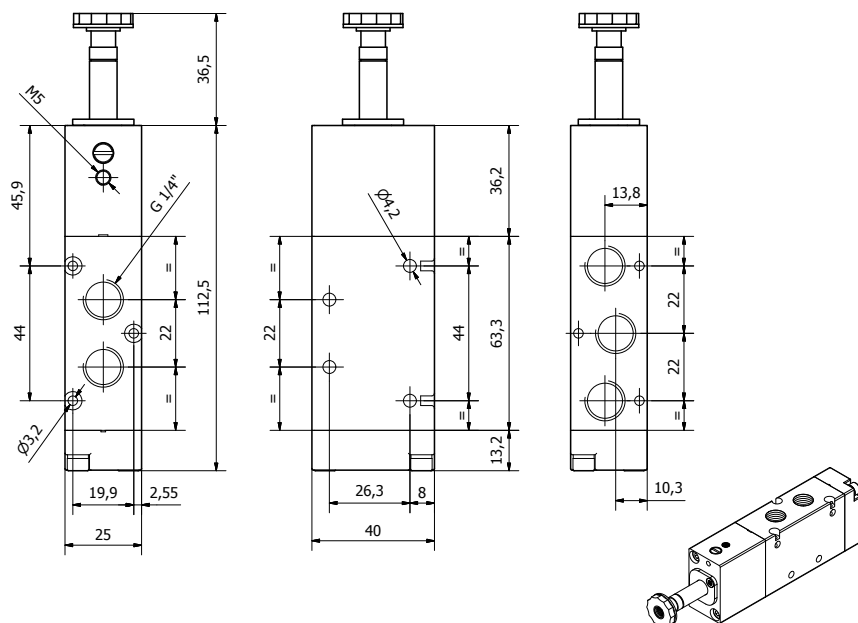
CODE
VY43EAB00-T



1/4 - 5/2 monostable
1/4 - 5/2 monostable
1/4 - 5/2 monostabile

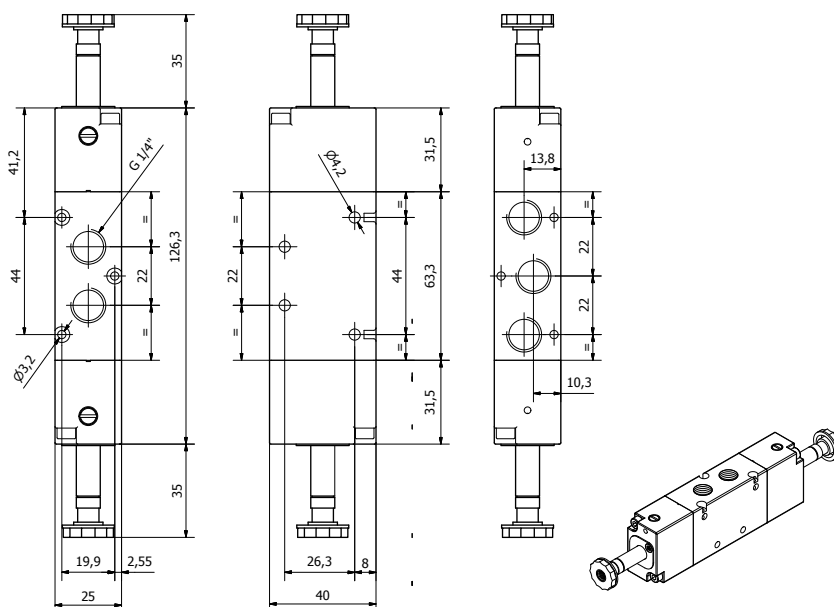
CODE
VY45ELM00-T





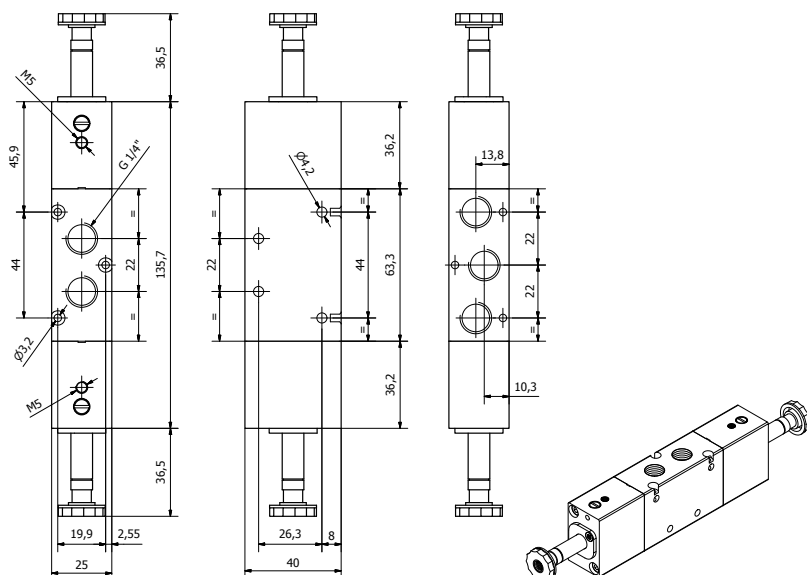
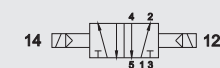
1/4 - 5/2 monostable separate air supply
1/4 - 5/2 monostable alimentation séparée
1/4 - 5/2 monostabile alimentazione separata

CODE
VY45EAM00-T



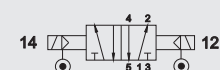
1/4 - 5/2 bistable
1/4 - 5/2 bistable
1/4 - 5/2 bistabile

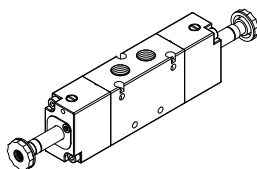
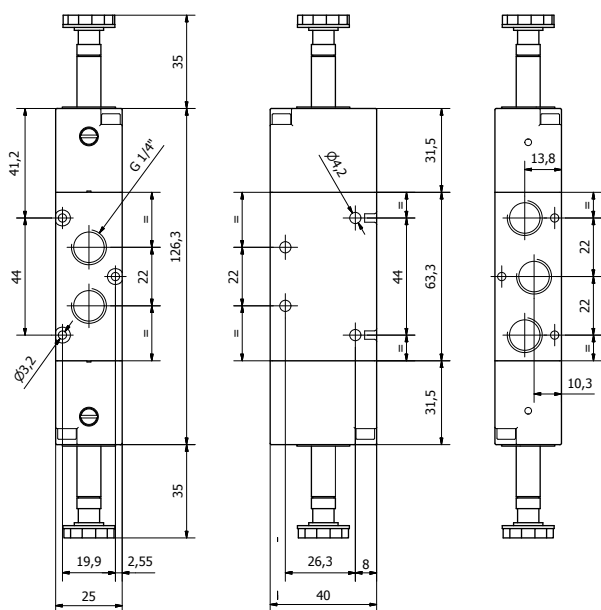
CODE
VY45ELB00-T



1/4 - 5/2 bistable separate air supply
1/4 - 5/2 bistable alimentation séparée
1/4 - 5/2 bistabile alimentazione separata

CODE
VY45EAB00-T





1/4 - 5/3 monostable

1/4 - 5/3 monostable

$1/4 - 5/3$ monostabile

CODE

CODE	
VY46ELMCC-T	CC / CF / CC

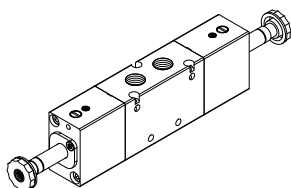
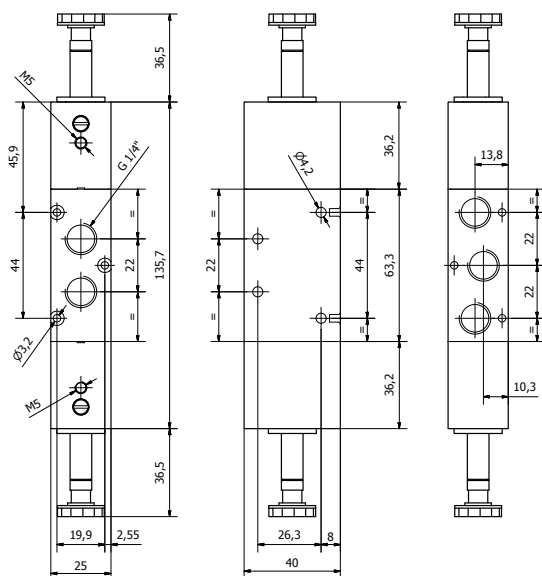
**CODE**

VY46ELMCA-T	CO / CO / CA
--------------------	---------------------



CODE

VY46ELMCP-T CP / **CP** / CP



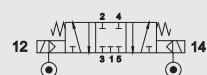
1/4 - 5/3 monostable separate air supply

1/4 - 5/3 monostable alimentation séparée

1/4 - 5/3 monostabile alimentazione separata

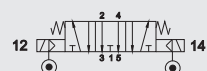
CODE

CODE	
VY46EAMCC-T	CC / CF / CC

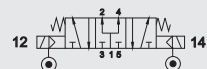


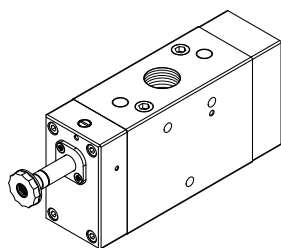
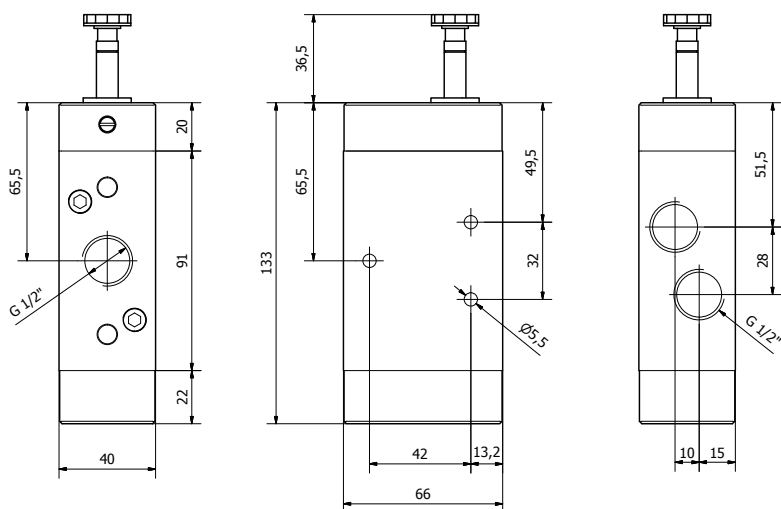
CODE

VY46EAMCA-T CO / CO / CA

**CODE**

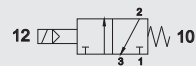
VY46EAMCP-T CP / **CP** / CP





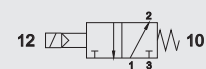
1/2 - 3/2 NC monostable
1/2 - 3/2 NF monostable
1/2 - 3/2 NC monostabile

CODE
VY23ELMNC-T



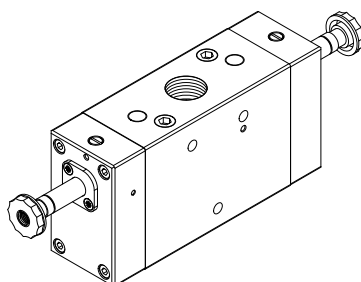
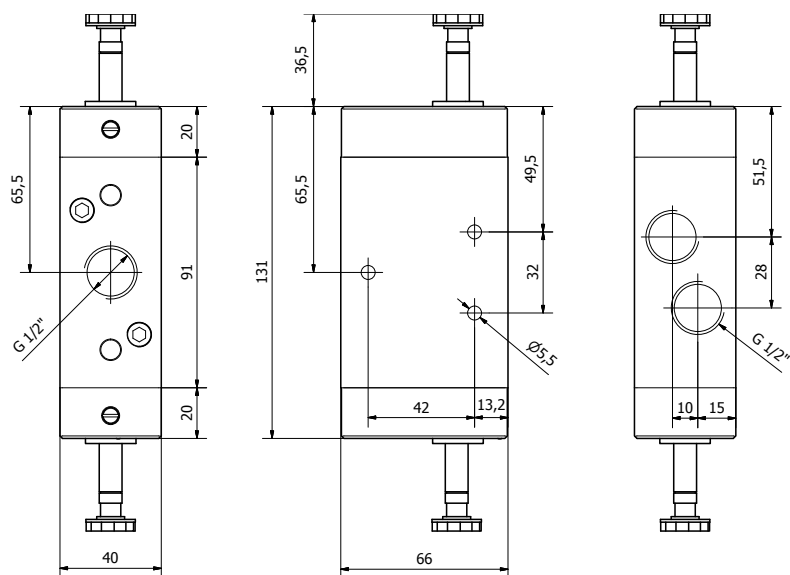
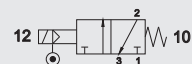
1/2 - 3/2 NO monostable
1/2 - 3/2 NO monostable
1/2 - 3/2 NA monostabile

CODE
VY23ELMNA-T



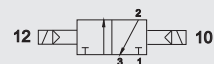
1/2 - 3/2 NC monostable separate air supply
1/2 - 3/2 NF monostable alimentation séparée
1/2 - 3/2 NC monostable alimentazione separata

CODE
VY23EAMNC-T



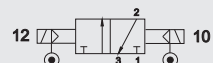
1/2 - 3/2 bistable
1/2 - 3/2 bistable
1/2 - 3/2 bistabile

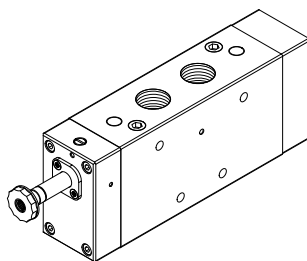
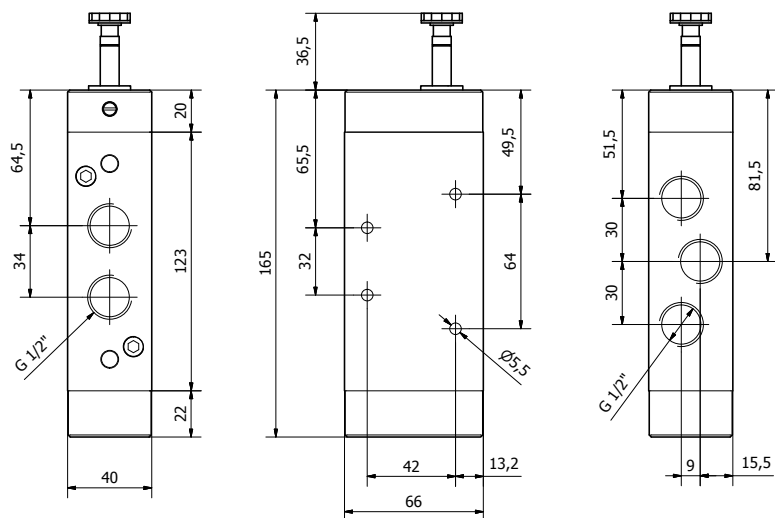
CODE
VY23ELB00-T



1/2 - 3/2 bistable separate air supply
1/2 - 3/2 bistable alimentation séparée
1/2 - 3/2 bistabile alimentazione separata

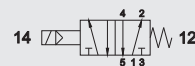
CODE
VY23EAB00-T





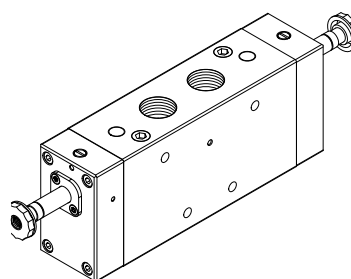
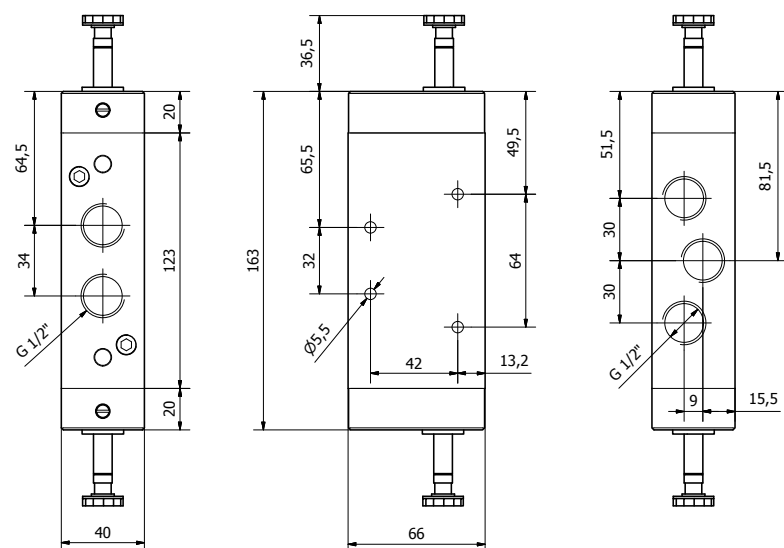
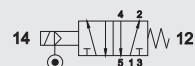
1/2 - 5/2 monostable
1/2 - 5/2 monostable
1/2 - 5/2 monostabile

CODE
VY25ELM00-T



1/2 - 5/2 monostable separate air supply
1/2 - 5/2 monostable alimentation séparée
1/2 - 5/2 monostabile alimentazione separata

CODE
VY25EAM00-T



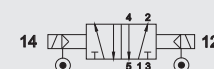
1/2 - 5/2 bistable
1/2 - 5/2 bistable
1/2 - 5/2 bistabile

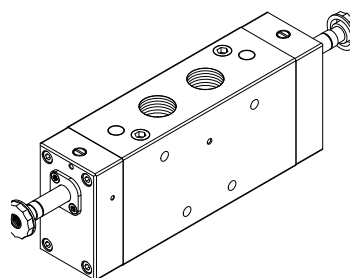
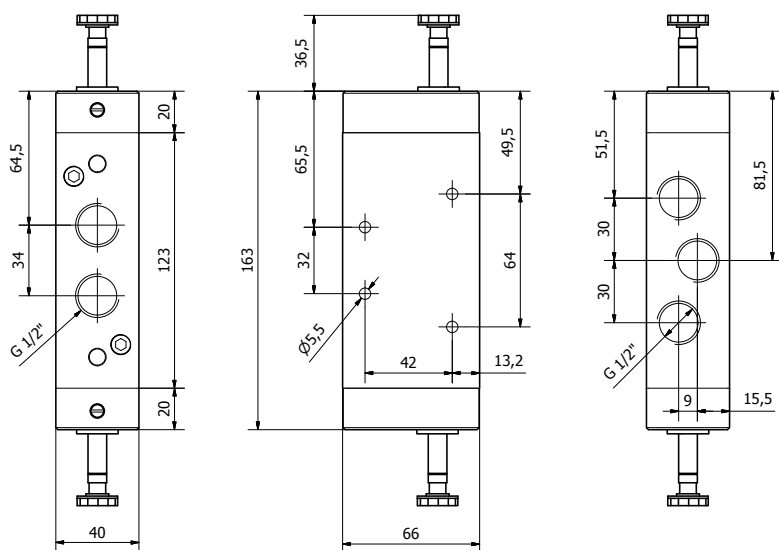
CODE
VY25ELB00-T



1/2 - 5/2 bistable separate air supply
1/2 - 5/2 bistable alimentation séparée
1/2 - 5/2 bistabile alimentazione separata

CODE
VY25EAB00-T





1/2 - 5/3 monostable
1/2 - 5/3 monostable
1/2 - 5/3 monostabile

CODE
VY26ELMCC-T CC / CF / CC



CODE
VY26ELMCA-T CO / CO / CA



CODE
VY26ELMCP-T CP / CP / CP



1/2 - 5/3 monostable separate air supply
1/2 - 5/3 monostable alimentation séparée
1/2 - 5/3 monostabile alimentazione separata

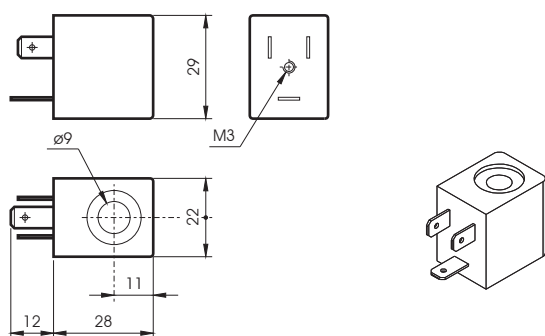
CODE
VY26EAMCC-T CC / CF / CC



CODE
VY26EAMCA-T CO / CO / CA



CODE
VY26EAMCP-T CP / CP / CP

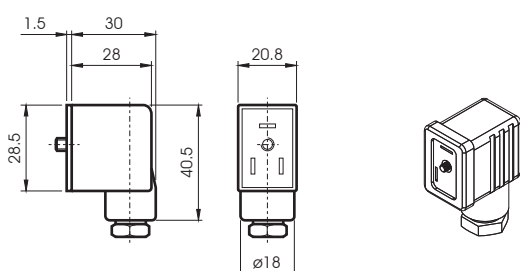


COILS / BOBINE / BOBINE

CODE	Tension Tension Tensione	POWER / ABSORPTION / ASSORBIMENTO	
		Rated Résistance a regime	Inrush De sortie di spunto
B04011012	12 VDC	3W	
B04011024	24 VDC	3W	
B04012024	24 VAC	5VA	7,5VA
B04012110	110 VAC	5VA	7,5VA
B04012220	220 VAC	5VA	7,5VA

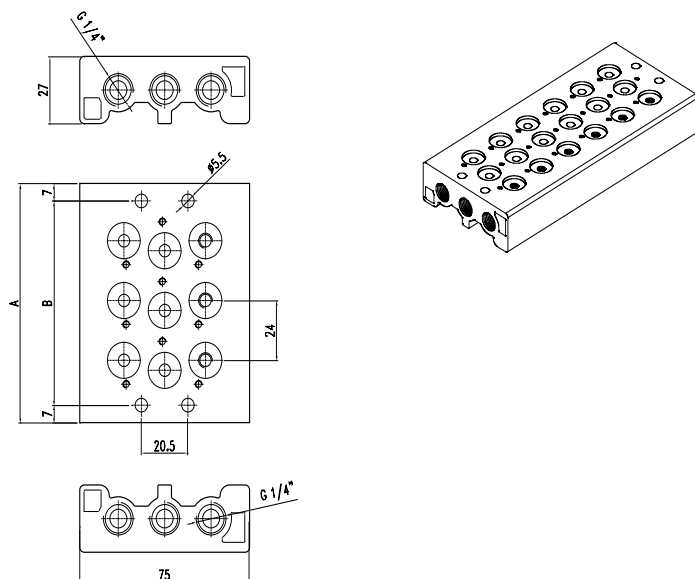
TECHNICAL SPECIFICATIONS CARACTERISTIQUES TECHNIQUES CARATTERISTICHE TECNICHE

Tension tolerance / Tolerance / Tolleranza di tensione	+10%
Protection with connector / Protection avec connecteur / Protezione con connettore	IP65
Max working temperature / Température max d'utilisation / Temperatura max di esercizio	+ 50°C
Duty cycle / Temps d'enclenchement / Inserimento	ED 100%



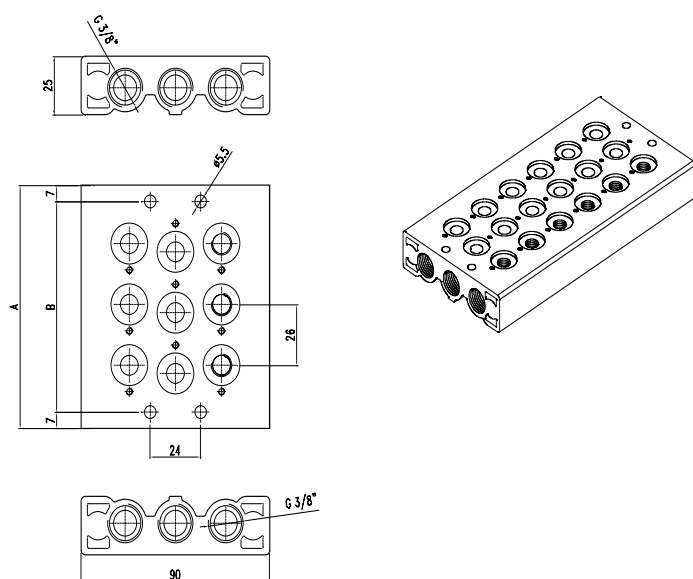
CONNECTORS / CONNECTEUR / CONNETTORI

CODE	
AR40696	STANDARD
VX0014	LED 24V
VX0015	LED 110V
VX0016	LED 220V
VX0017	LED+VDR 24V
VX0018	LED+VDR 110V
VX0019	LED+VDR 220V



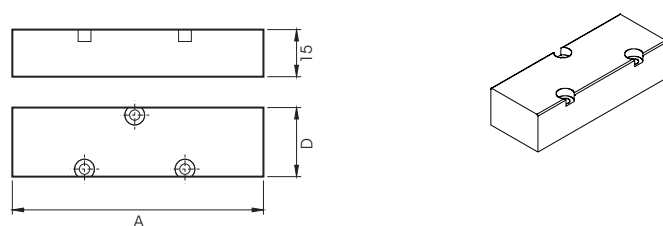
MANIFOLD FOR 1/8 VALVES
EMBASE MULTIPLE POUR VALVE 1/8
SOTTOBASE PER VALVOLE 1/8

CODE	STATIONS	A	B
SB407202	2	72	58
SB407203	3	96	82
SB407204	4	120	106
SB407205	5	144	130
SB407206	6	168	154
SB407207	7	192	178
SB407208	8	216	202
SB407209	9	240	226
SB407210	10	264	250



MANIFOLD FOR 1/4 VALVES
EMBASE MULTIPLE POUR VALVE EN 1/4
SOTTOBASE PER VALVOLE 1/4

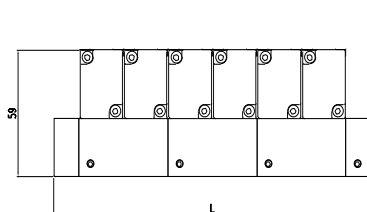
CODE	STATIONS	A	B
SB407302	2	78	64
SB407303	3	104	90
SB407304	4	130	116
SB407305	5	156	142
SB407306	6	182	168
SB407307	7	208	194
SB407308	8	234	220
SB407309	9	260	246
SB407310	10	286	272



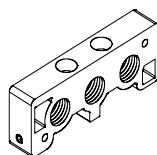
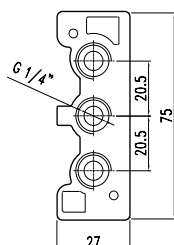
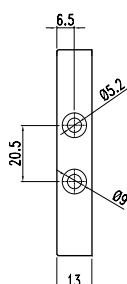
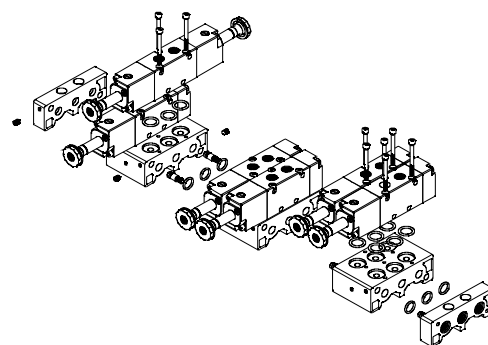
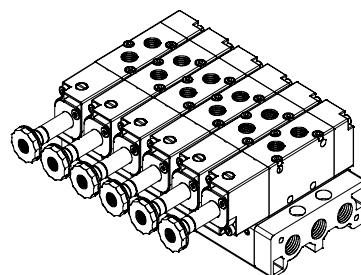
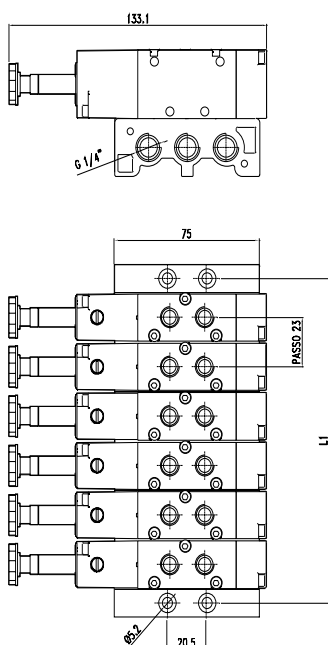
BLANKING PLATE
PLAQUE DE FERMETURE
PIASTRINA DI CHIUSURA

CODE		A	D
SB40720004	1/8	60	22
SB40730004	1/4	70	25

1/8 MODULAR MANIFOLD
EMBASE MODULAIRE 1/8
BASE MODULARE 1/8

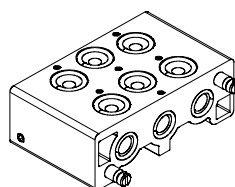
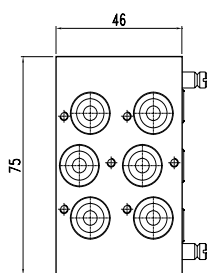
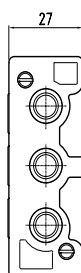


pos.	L	L1
2	72	59
4	118	105
6	164	151
8	210	197
10	256	243
12	302	289



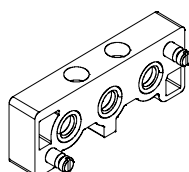
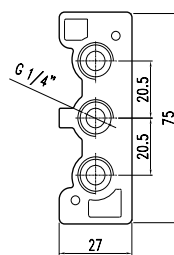
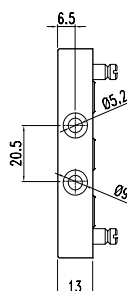
TERMINAL RIGHT 1/8
TERMINAL DROITE 1/8
TERMINALE DESTRO 1/8

CODE
SB407213



MODULAR MANIFOLD 1/8
BASE MODULAIRE 1/8
BASE MODULARE 1/8

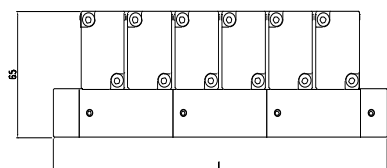
CODE
SB407211



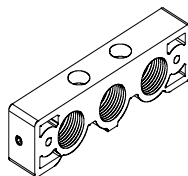
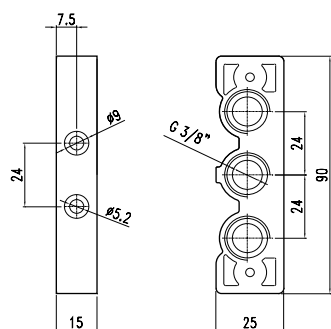
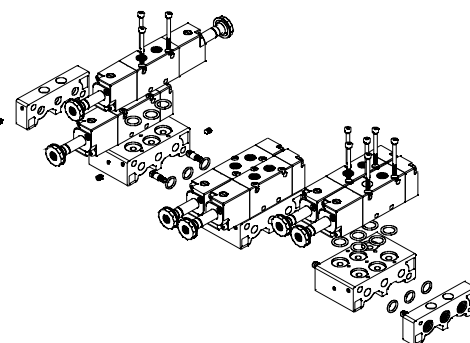
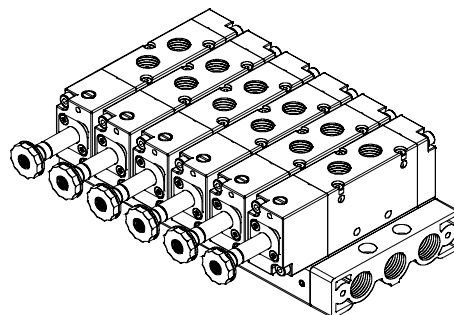
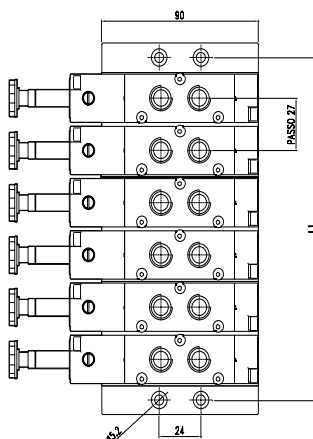
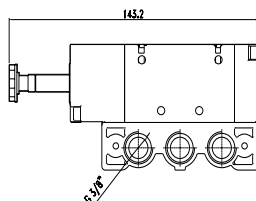
TERMINAL LEFT 1/8
TERMINAL GAUCHE 1/8
TERMINALE SINISTRO 1/8

CODE
SB407212

1/4 MODULAR MANIFOLD
EMBASE MODULAIRE 1/4
BASE MODULARE 1/4

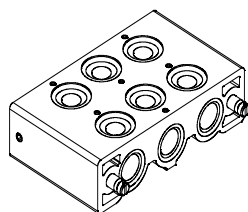
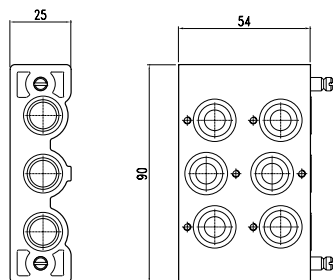


pos.	L	L1
2	84	69
4	138	123
6	192	177
8	246	231
10	300	285
12	354	339



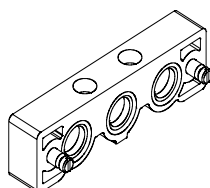
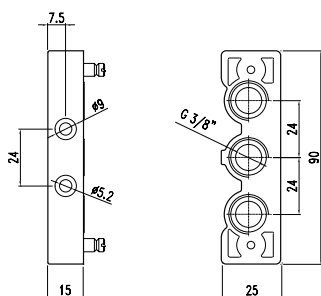
TERMINAL RIGHT 1/4
TERMINAL DROITE 1/4
TERMINALE DESTRO 1/4

CODE
SB407313



MODULAR MANIFOLD 1/4
BASE MODULAIRE 1/4
BASE MODULARE 1/4

CODE
SB407311



TERMINAL LEFT 1/4
TERMINAL GAUCHE 1/4
TERMINALE SINISTRO 1/4

CODE
SB407312