Généralités

Les vannes et électrovannes à clapet ont un débit important tant pour l'air comprimé que pour le vide. Elles sont réalisées en version 3/2 et 2/2 en normalement fermée ou normalement ouverte.
Les vannes pour air comprimé ont un fonctionnement analogue au distributeur à tiroir, mais pour une utilisation avec le vide il est indispensable de choisir exactement le type et le raccordement à la pompe à vide.
Pour le pilotage électrique, il faut utiliser une microbobine standard réf. M2 pour l'air et une microbobine spéciale réf. M2/V pour le vide.

Les références de commande sont relatives aux électrovannes avec mécanique "M2"ou "M2/V". Les solénoïdes sont à commander séparément (voir série 300)

Les bobine homologuées c UL us sont également disponibles (voir série 300)

Caractéristiques de construction

	G 3/8"	G 1/2" - G 3/4"	G 1"	G 1 1/2"
Corps	Aluminium	Zamac injecté	Aluminium injecté	Aluminium
Plaque de fermeture	Aluminium anodisé			
Clapet	NBR			
Piston de commande	Aluminium			
Axe porte Clapet	Acier Inox			
Ressort	Acier Inox			
Joint de piston	NBR			

Utilisation et entretien

Ces vannes et électrovannes ont une durée de vie moyenne qui varie de 10 à 15 millions de cycles en condition d'emploi. La lubrification n'est pas nécessaire pour un bon fonctionnement mais il est conseillé d'avoir une bonne filtration pour empêcher l'accumulation d'impuretés et par conséquent, un mauvais fonctionnement. Contrôler que les conditions d'utilisation sont compatibles avec les caractéristiques techniques indiquées: pression, température etc.....
Il est important de protéger les orifices d'échappement de la vanne de la présence d'impuretés et de poussières. Pour ce produit la technique de construction et leur emploi particulier ne prévoit aucune maintenance des différents éléments de la vanne. Quand cela est nécessaire, on peut procéder à un nettoyage sommaire de la partie interne.
L'utilisation en version autoalimentée, soit par de l'air ou par le vide, nécessite une grande attention de ne pas prendre l'orifice d'utilisation pour l'alimentation car dans ce cas, la pression ou la dépression serait insuffisante pour le pilotage. Cette vérification est facile sur les vannes à clapet du fait qu'elles n'ont pas de position Centre fermé et une pression de pilotage insuffisante permettrait au système d'être à l'échappement par l'orifice 3. Dans ce cas, il faut utiliser la version avec pilotage externe.

Désignation de la vanne en fonction de l'utilisation

Normalement Fermée Auto alimenté

779/V.32.0.1AC
773/V.32.0.1AC
771/V.32.0.1AC

P = 1 = Echappement
A = 2 = Utilisation
R = 3 = Pompe

Normalement Ouverte Auto alimenté

779/V.32.0.1AA
773/V.32.0.1AA
771/V.32.0.1AA

P = 1 = Pompe
A = 2 = Utilisation
R = 3 = Echappement

Normalement Fermée Alimentation Externe

779/V.32.0.1C
773/V.32.0.1C
771/V.32.0.1C

779/V.32.11.1C
773/V.32.11.1C
771/V.32.11.1C

P = 1 = Pompe
A = 2 = Utilisation
R = 3 = Echappement

Normalement Ouverte Alimentation Externe

779/V.32.0.1A
773/V.32.0.1A
771/V.32.0.1A

779/V.32.11.1A
773/V.32.11.1A
771/V.32.11.1A

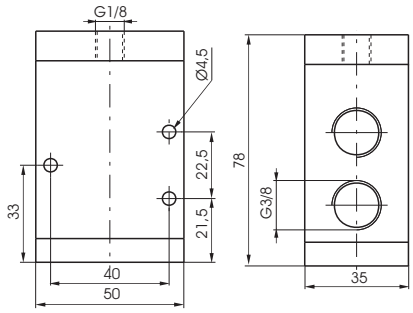
P = 1 = Echappement
A = 2 = Utilisation
R = 3 = Pompe

Pneumatique - ressort / pour Air comprimé

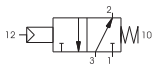
Référence de Commande

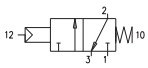
779.32.11.Ⓕ

Ⓕ	FONCTION
	1C=Normalement Fermée
	1A=Normalement Ouvert



Poids gr.360
Attention: Dans la version normalement ouverte, l'alimentation se fait par l'orifice d'échappement "3"
Pression minimum de pilotage 2,5 bar





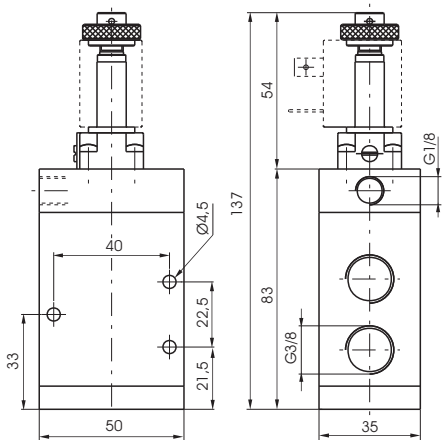
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 70	10	1800	10	G 3/8"	G 1/8"

Électrique - ressort / pour Air comprimé

Référence de Commande

779.32.0.Ⓕ.M2

Ⓕ	FONCTION
	1AC=Autoalimenté Normalement Fermée
	1C=Alimentation externe Normalement Fermée
	1AA=Autoalimenté Normalement Ouvert
	1A=Alimentation externe Normalement Ouvert



Poids gr.420
Pression minimum di fonctionnement 2,5 bar (versione alimentazione esterna) - 3 bar (versione autoalimentata)

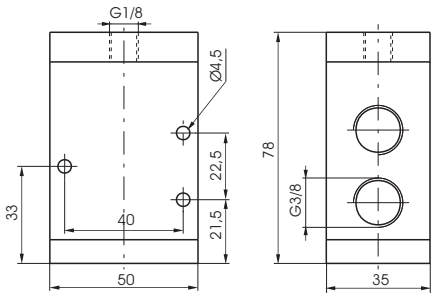
Caratteristiche di fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 50	10	1800	10	G 3/8"	G 1/8"

Pneumatique - ressort / pour Vide

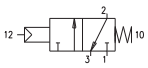
Référence de Commande

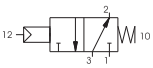
779/V.32.11.Ⓕ

Ⓕ	FONCTION
	1C=Normalement Fermée
	1A=Normalement Ouvert



Poids gr.360
Pression minimum di pilotage 2 bar





Caratteristiche di fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 70	10	G 3/8"	G 1/8"

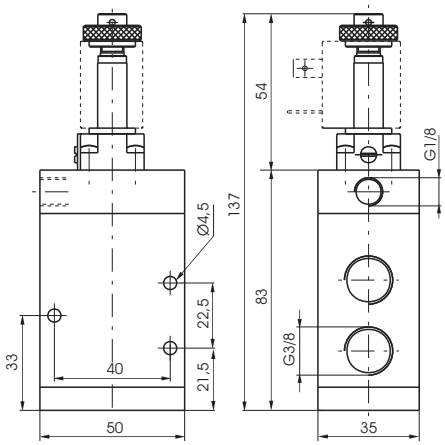
2

Électrique - ressort - Autoalimenté / pour Vide

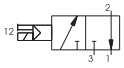
Référence de Commande

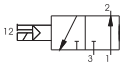
779/V.32.0.Ⓕ.M2/V

Ⓕ	FONCTION
	1AA= Normalement Ouvert
	1AC=Normalement Fermée



Poids gr.420





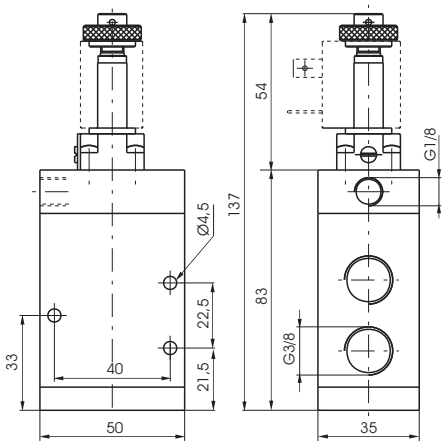
Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	10	G 3/8"	G 1/8"

Électrique - ressort - Aliment. externe / pour Vide

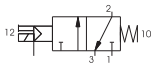
Référence de Commande

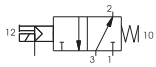
779/V.32.0.Ⓕ.M2

Ⓕ	FONCTION
	1A=Normalement Ouvert
	1C=Normalement Fermée



Poids gr.420
Pression minimum de fonctionnement 2 bar (version alimentation externe)



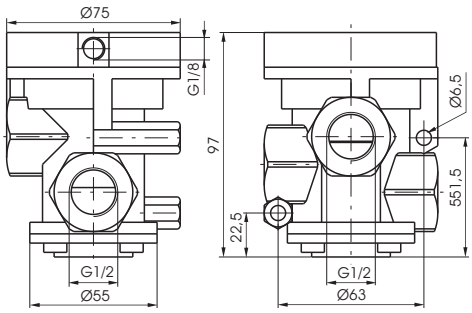


Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	10	G 3/8"	G 1/8"

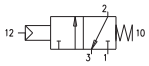
Électrique - ressort / pour Air comprimé

Référence de Commande

772.32.11.1C



Poids gr.1100
Normalement Fermée
Pression minimum de pilotage 2,5 bar



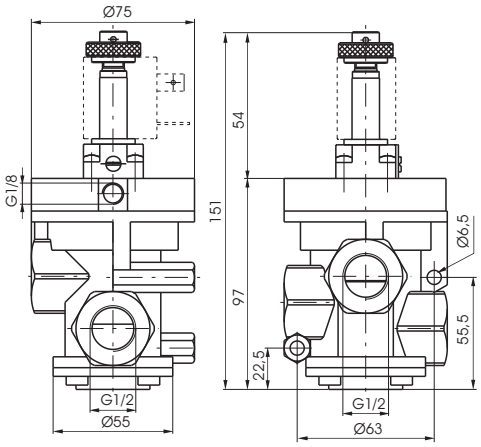
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 70	10	4800	15	G 1/2"	G 1/8"

Électrique - ressort / pour Air comprimé

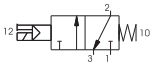
Référence de Commande

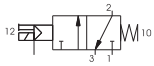
772.32.0.Ⓕ.M2

Ⓕ	FONCTION
	1AC=Autoalimenté Normalement Fermée
	1C=Alimentation externe Normalement Fermée



Poids gr.1160
Pression minimum de fonctionnement 2,5 bar (version alimentation externe) - 3 bar (version autoalimentée)





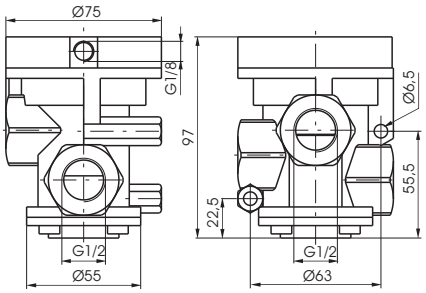
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 50	10	4800	15	G 1/2"	G 1/8"

Pneumatique - ressort / pour Vide

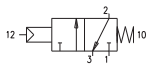
Référence de Commande

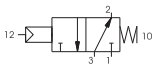
772/V.32.11.Ⓕ

Ⓕ	FONCTION
	1C=Normalement Fermée
	1A=Normalement Ouvert



Poids gr.1100
Pression minimum di pilotage 2 bar





Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal di passage (mm)	Orifices d'alimentation	Raccordement di pilotage
	Vide	-5 ÷ + 70	15	G 1/2"	G 1/8"

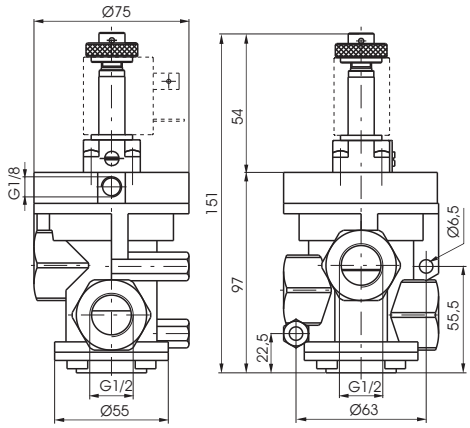
2

Électrique - ressort - Autoalimenté / pour Vide

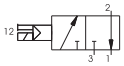
Référence de Commande

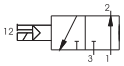
772/V.32.0.Ⓕ.M2/V

Ⓕ	FONCTION
	1AA=Normalement Ouvert
	1AC=Normalement Fermée



Poids gr.1160





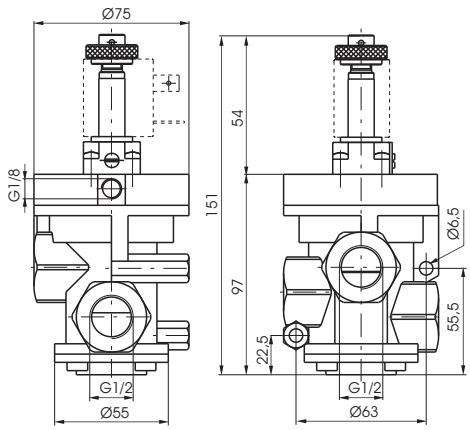
Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	15	G 1/2"	G 1/8"

Électrique - ressort - Aliment. externe / pour Vide

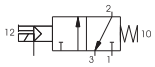
Référence de Commande

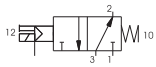
772/V.32.0.Ⓕ.M2

Ⓕ	FONCTION
	1A=Normalement Ouvert
	1C=Normalement Fermée



Poids gr.1160
Pression minimum di fonctionnement 2 bar (version alimentation externe)



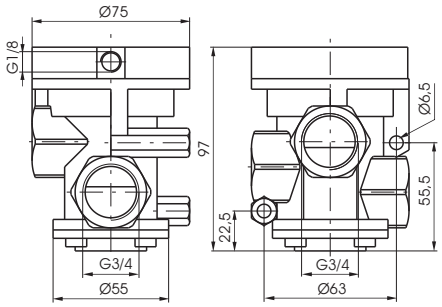


Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	15	G 1/2"	G 1/8"

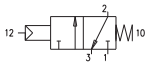
Pneumatique - ressort / pour Air comprimé

Référence de Commande

773.32.11.1C



Poids gr.990
Normalement Fermée
Pression minimum de fonctionnement 2,5 bar



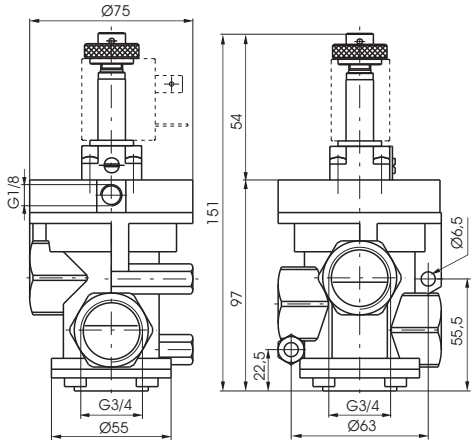
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 70	10	6100	20	G 3/4"	G 1/8"

Électrique - ressort / pour Air comprimé

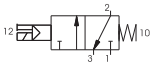
Référence de Commande

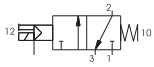
773.32.0.Ⓕ.M2

Ⓕ	FONCTION
	1AC=Autoalimenté Normalement Fermée
	1C=Alimentation externe Normalement Fermée



Poids gr.1050
Pression minimum de fonctionnement 2,5 bar (version alimentation externe) - 3 bar (version autoalimentée)





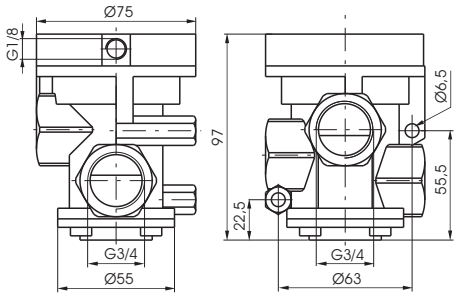
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 50	10	6100	20	G 3/4"	G 1/8"

Pneumatique - Ressort / pour Vide

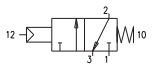
Référence de Commande

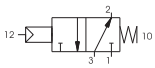
773/V.32.11.Ⓕ

Ⓕ	FONCTION
	1C=Normalement Fermée
	1A=Normalement Ouvert



Poids gr.990
Pression minimum de pilotage 2 bar





Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 70	20	G 3/4"	G 1/8"

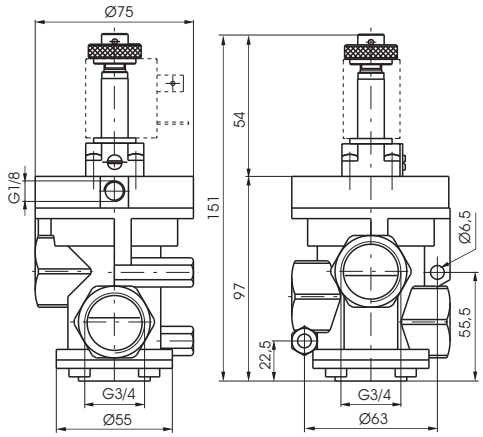
2

Électrique - ressort - Autoalimenté / pour Vide

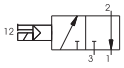
Référence de Commande

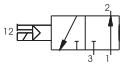
773/V.32.0.Ⓕ.M2/V

Ⓕ	FONCTION
	1AA=Normalement Ouvert
	1AC=Normalement Fermée



Poids gr.1050





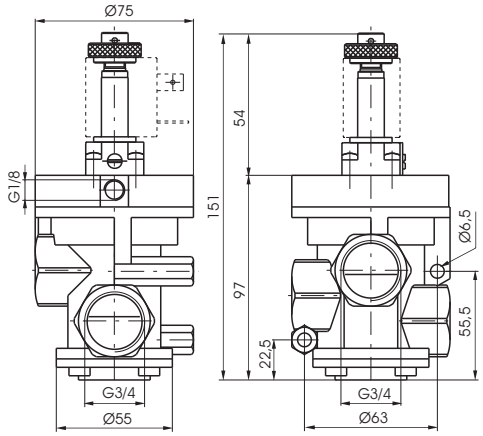
Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	20	G 3/4"	G 1/8"

Électrique - ressort - Aliment. externe / pour Vide

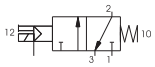
Référence de Commande

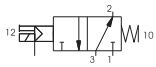
773/V.32.0.Ⓕ.M2

Ⓕ	FONCTION
	1A=Normalement Ouvert
	1C=Normalement Fermée



Poids gr.1050
Pression minimum de fonctionnement 2 bar (version alimentation externe)



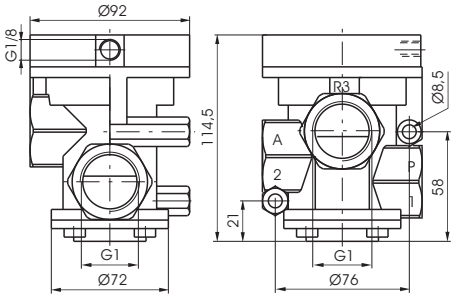


Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	20	G 3/4"	G 1/8"

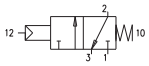
Pneumatique - ressort / pour Air comprimé

Référence de Commande

771.32.11.1C



Poids gr.1060
Normalement Fermée
Pression minimum de pilotage 2,5 bar



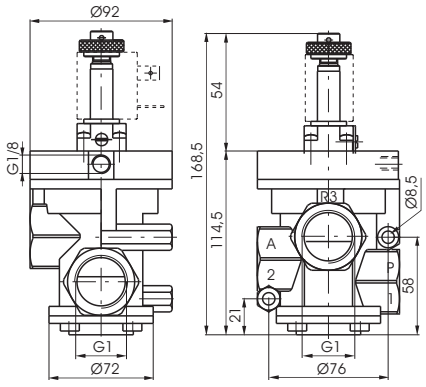
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 70	10	12000	25	G 1"	G 1/8"

Électrique - ressort / pour Air comprimé

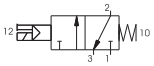
Référence de Commande

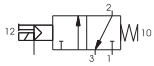
771.32.0.Ⓕ.M2

Ⓕ	FONCTION
	1AC=Autoalimenté Normalement Fermée
	1C=Alimentation externe Normalement Fermée



Poids gr.1120
Pression minimum de fonctionnement 2,5 bar (version alimentation externe) - 3 bar (version autoalimentée)





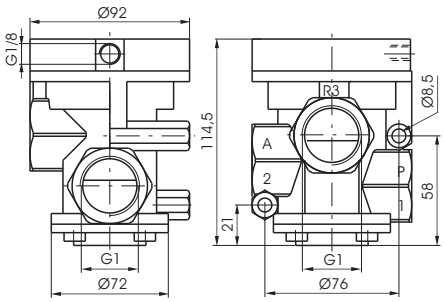
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 50	10	12000	25	G 1"	G 1/8"

Pneumatique - Ressort / pour Vide

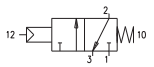
Référence de Commande

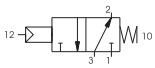
771/V.32.11.Ⓕ

Ⓕ	FONCTION
	1C=Normalement Fermée
	1A=Normalement Ouvert



Poids gr.1060
Pression minimum de pilotage 2 bar





Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 70	25	G 1"	G 1/8"

2

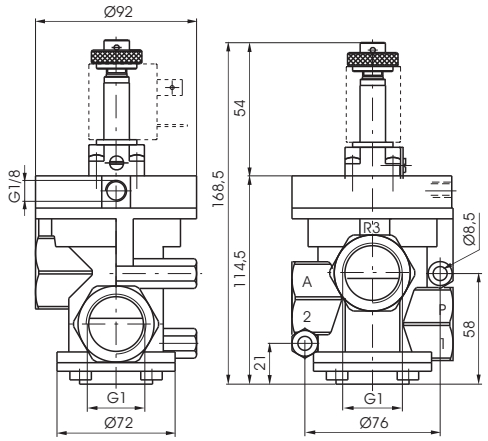
Électrique - ressort - Autoalimenté / pour Vide

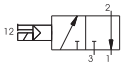
Référence de Commande

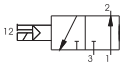
771/V.32.0.Ⓕ.M2/V

Ⓕ	FONCTION
	1AA=Normalement Ouvert
	1AC=Normalement Fermée

Poids gr.1120







Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	25	G 1"	G 1/8"

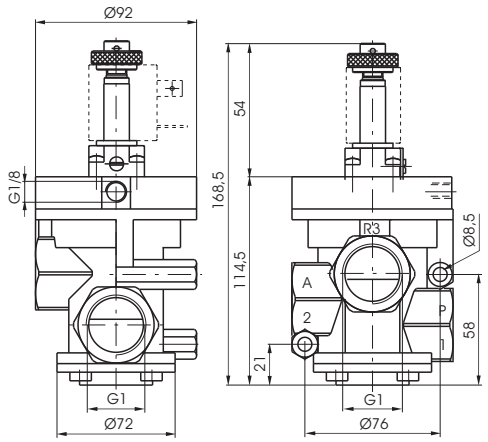
Électrique - ressort - Aliment. externe / pour Vide

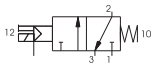
Référence de Commande

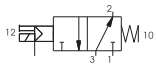
771/V.32.0.Ⓕ.M2

Ⓕ	FONCTION
	1A=Normalement Ouvert
	1C=Normalement Fermée

Poids gr.1120
Pression minimum de fonctionnement 2 bar





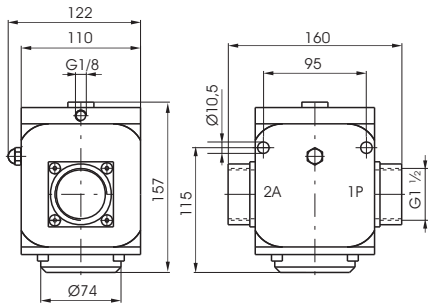


Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	25	G 1"	G 1/8"

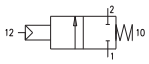
Pneumatique - ressort / pour Air comprimé

Référence de Commande

776.22.11.1C



Poids gr.3950
Normalement Fermée
Pression minimum de pilotage 2,5 bar



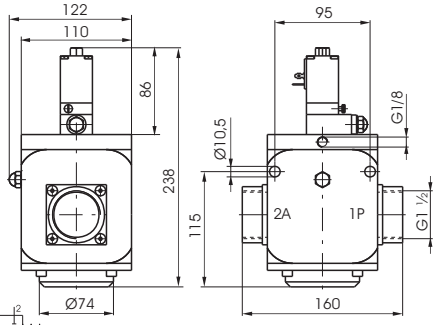
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 70	10	33500	38	G1 1/2"	G 1/8"

Électrique - ressort / pour Air comprimé

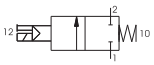
Référence de Commande

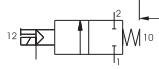
776.22.0.Ⓕ.Ⓢ

Ⓕ	FONCTION
	1AC=Autoalimenté Normalement Fermée
	1C=Alimentation externe Normalement Fermée
Ⓢ	RÉFÉRENCE BOBINE
	Voir électrovannes série 300 type



Poids gr.4450
Pression minimum de fonctionnement 2,5 bar (version alimentation externe) - 3 bar (version autoalimentée)



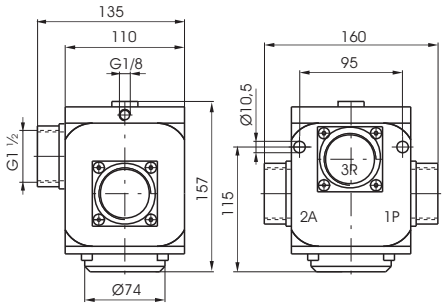


Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 50	10	33500	38	G1 1/2"	G 1/8"

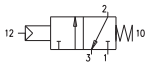
Pneumatique - ressort / pour Air comprimé

Référence de Commande

776.32.11.1C



Poids gr.3900
Normalement Fermée
Pression minimum de pilotage 2,5 bar



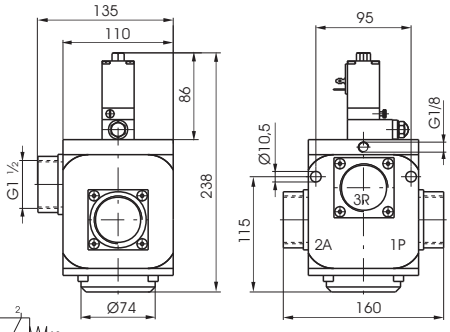
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 70	10	33500	38	G1 1/2"	G 1/8"

Électrique - ressort / pour Air comprimé

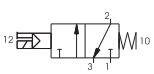
Référence de Commande

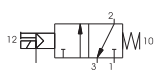
776.32.0.Ⓕ.Ⓢ

Ⓕ	FONCTION
	1AC=Autoalimenté Normalement Fermée
	1C=Alimentation externe Normalement Fermée
Ⓢ	RÉFÉRENCE BOBINE
	Voir électrovannes série 300 type



Poids gr.4450
Pression minimum de fonctionnement 2,5 bar (version alimentation externe) - 3 bar (version autoalimentée)





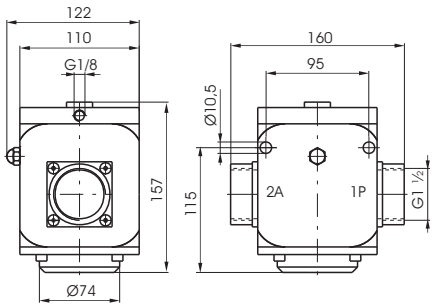
Caractéristiques de fonctionnement	Fluide	Température °C	Pression de fonctionnement maxi (bar)	Débit à 6 bar avec Δp=1 (Nl/min)	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Air filtré et lubrifié	-5 ÷ + 50	10	33500	38	G1 1/2"	G 1/8"

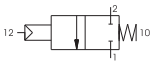
2

Pneumatique - ressort / pour Vide

Référence de Commande

776/V.22.11.1C





Poids gr.3950
Normalement Fermée
Pression minimum de pilotage 2 bar

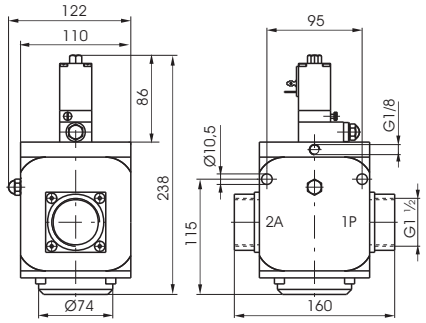
Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 70	38	G1 1/2"	G 1/8"

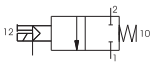
Électrique - ressort / pour Vide

Référence de Commande

776/V.22.0.1C.Ⓢ

Ⓢ	RÉFÉRENCE BOBINE
	Voir électrovannes série 300 type "S"





Poids gr.4450
Alimentation externe Normalement Fermée
Pression minimum de fonctionnement 2 bar

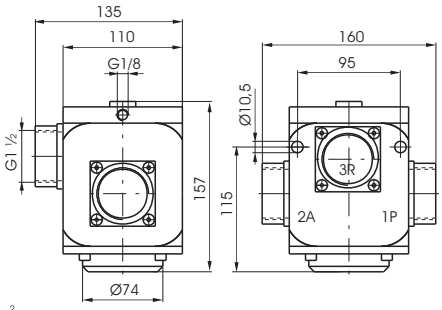
Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	38	G1 1/2"	G 1/8"

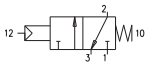
Pneumatique - ressort / pour Vide

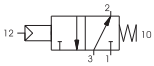
Référence de Commande

776/V.32.11.Ⓕ

Ⓕ	FONCTION
	1C=Normalement Fermée
	1A=Normalement Ouvert







Poids gr.3900
Pression minimum de pilotage 2 bar

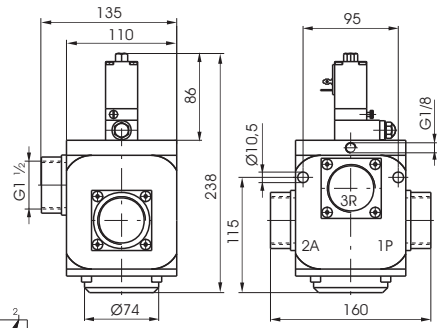
Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 70	38	G1 1/2"	G 1/8"

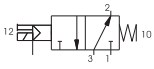
Électrique - ressort / pour Vide

Référence de Commande

776/V.32.0.Ⓕ.Ⓢ

Ⓕ	FONCTION
	1C=Alimentation externe Norma-
	1C=Alimentation externe Norma-
	1A=Alimentation externe Norma-lement Ouvert
Ⓢ	RÉFÉRENCE BOBINE
	Voir électrovannes série 300 type





Poids gr.4500
Pression minimum de fonctionnement 2 bar

Caractéristiques de fonctionnement	Fluide	Température °C	Diamètre nominal de passage (mm)	Orifices d'alimentation	Raccordement de pilotage
	Vide	-5 ÷ + 50	38	G1 1/2"	G 1/8"

PNEUMAX

VALVES POPPET SYSTEM **SERIES PG**

HIGH FLOW RATES FOR COMPRESSED AIR AND VACUUM

Series PG - for compressed air and vacuum

The large flow valves and solenoid poppet valves for compressed air and vacuum.
Are manufactured for 3/2 and 2/2 versions only, either normally close and normally open.

Construction characteristics

	G 1/2"	G 3/4"	G 1"	G 1 1/2"
Body, operator and end cover	Aluminium			
Actuators rod	Steel			
Bottom plates	Aluminium			
Seals and poppets	NBR			
Springs	Stainless steel			
Pin guide	Stainless steel			
Pistons	Acetal resin			

Use and maintenance

These valves have a mean life of 10 to 15 million cycles under normal operating conditions.
Lubrication is not required for good operation but we recommend good filtration to avoid dirty deposit causing malfunction.
Please ensure that the valve is being used according with the manufacturers specification, such as air pressure and temperature.
The exhaust port of the distributor has to be protected in a dusty and dirty environment.
For these products, according to the construction technique and special application, is not required any maintenance with parts replacement.
When necessary it is sufficient to clean the internal parts.
When it is used the solenoid valves with internal pilot, either for air or vacuum, inlet flow rate must be equal or higher that the required consumption flow rate.
Otherwise is better choose the external pilot version.

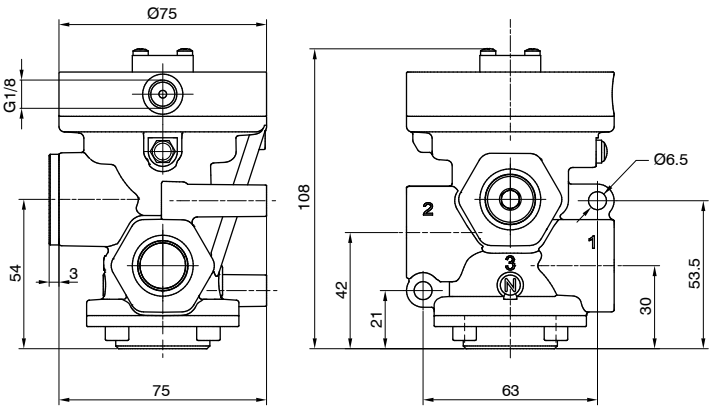
Pneumatic - Spring

Coding: PG2A(N)11E(F)00000

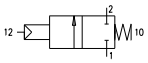
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	2,5
Temperature °C	-5 ... +70
Flow rate at 6 bar with Δp=1 (Nl/min)	4800
Orifice size (mm)	15
Working ports size	G1/2"
Pilot ports size	G1/8"

(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed

2/2



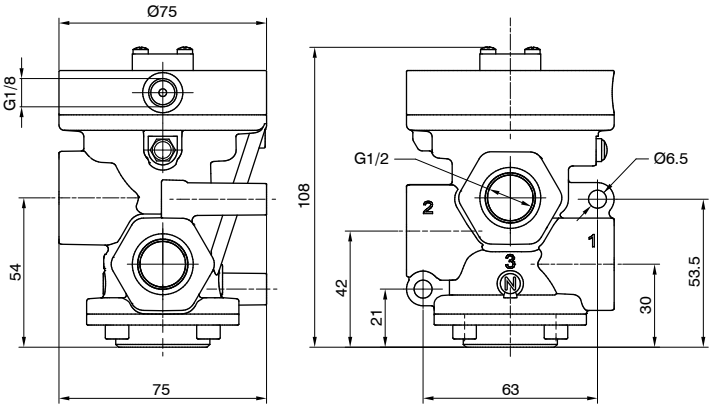
N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



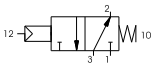
Weight 675 g

PG2A211E(F)00000

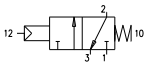
3/2



N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



Weight 648,5 g

PG2A311E(F)00000

Solenoid-Spring

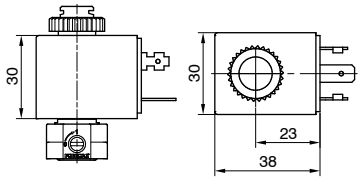
Coding: PG2A(N)01(V)(F)(T)

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	2,5
Temperature °C	-5 ... +50
Flow rate at 6 bar with Δp=1 (Nl/min)	4800
Orifice size (mm)	15
Working ports size	G1/2"
Pilot ports size	G1/8"
Responce time according to ISO 12238, activation time (ms)	21 (self feeding version)
Responce time according to ISO 12238, deactivation time (ms)	83 (self feeding version)

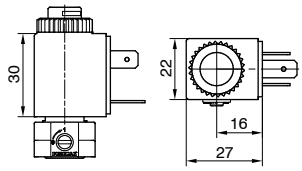
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(V)	VERSION
	A = Self feeding
	E = External feeding
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
(T)	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 230 V 50/60 Hz
	10000 = Without solenoid coil
(T)	VOLTAGE (30 MM SOLENOID COIL)
	S40C0 = 12 VDC
	S50C0 = 24 VDC
	S60C0 = 24 V 50/60 Hz
	S70C0 = 110 V 50/60 Hz
	S80C0 = 230 V 50/60 Hz
	10000 = Without solenoid coil

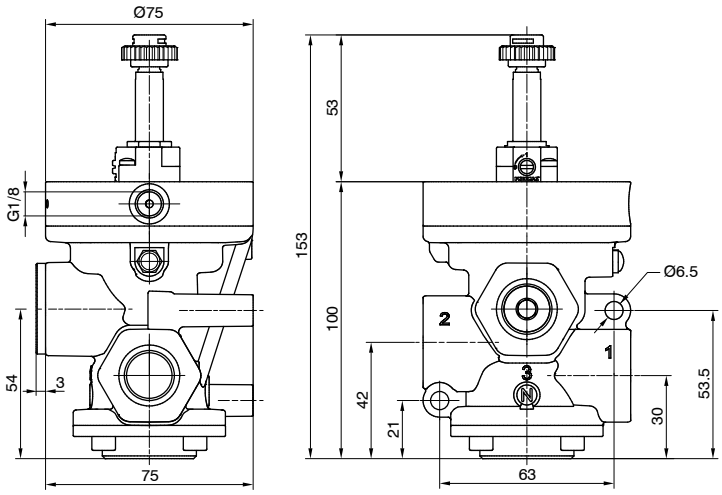
2/2

30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

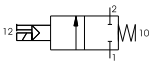




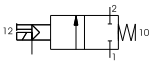
Weight 720,5 g

PG2A201(V)(F)(T)

Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)

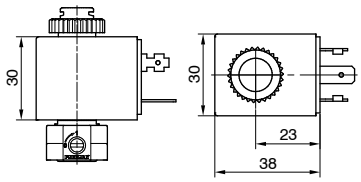


External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)

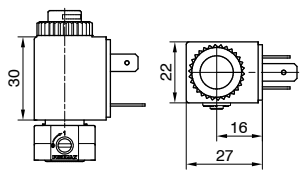


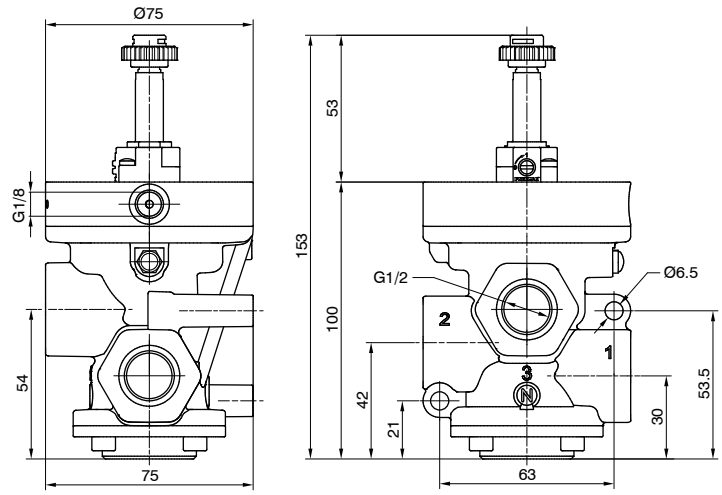
3/2

30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

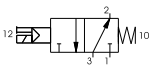




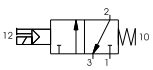
Weight 693,5 g

PG2A301(V)(F)(T)

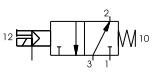
Self feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



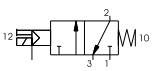
Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



External feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



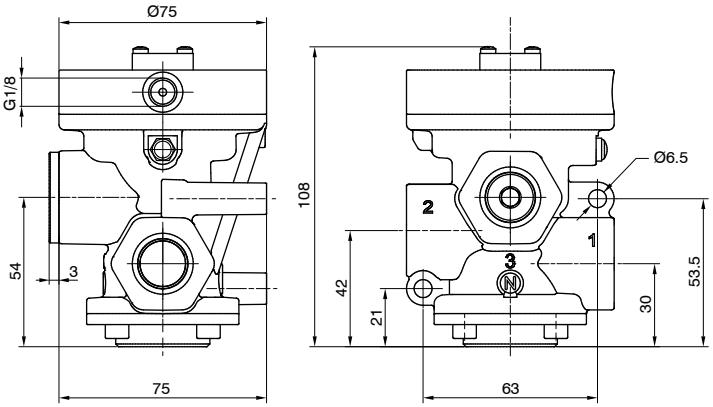
Pneumatic - Spring

Coding: PG2V**N**11E**F**00000

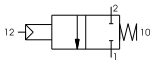
Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2
Temperature °C	-5 ... +70
Orifice size (mm)	15
Working ports size	G1/2"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5

	WAYS NUMBER
N	**2** = 2 ways, 2 positions
	3 = 3 ways, 2 positions
	FUNCTION
F	**A** = Normally Open (only for 3 ways)
	C = Normally Closed

2/2



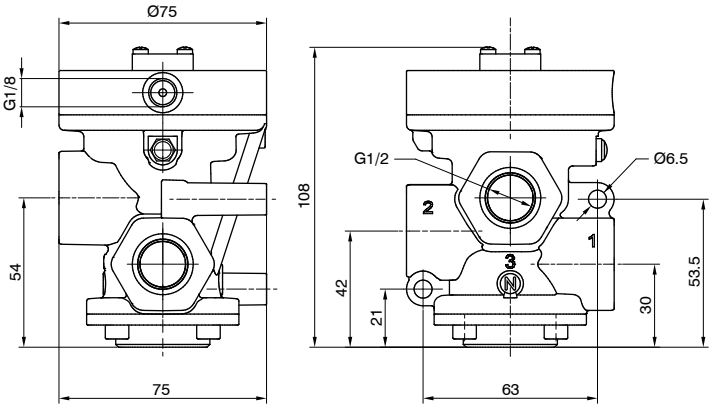
N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)



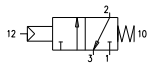
Weight 675,5 g

PG2V211E**F**00000

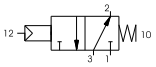
3/2



N.O.
Pump 3
Outlet port 2
Exhaust port 1



N.C.
Pump 1
Outlet port 2
Exhaust port 3



Weight 648,5 g

PG2V311E**F**00000

AIR DISTRIBUTION

Solenoid-Spring

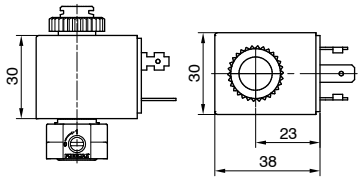
Coding: PG2V(N)01(V)(F)(T)

Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2 (external feeding version)
Temperature °C	-5 ... +50
Orifice size (mm)	15
Working ports size	G1/2"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5
Minimum operating vacuum (mmHg)	250 (self feeding version)

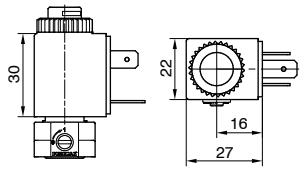
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(V)	VERSION
	A = Self feeding
	E = External feeding
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
(T)	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 230 V 50/60 Hz
	10000 = Without solenoid coil
(T)	VOLTAGE (30 MM SOLENOID COIL)
	S40C0 = 12 VDC
	S50C0 = 24 VDC
	S60C0 = 24 V 50/60 Hz
	S70C0 = 110 V 50/60 Hz
	S80C0 = 230 V 50/60 Hz
	10000 = Without solenoid coil

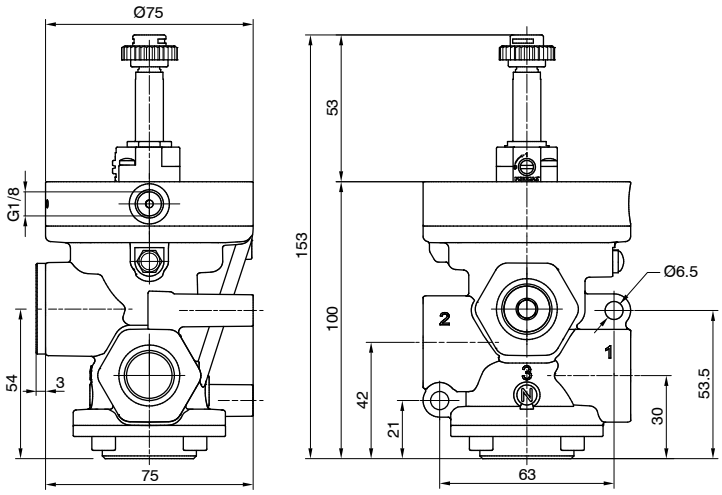
2/2

30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

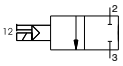




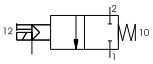
Weight 720,5 g

PG2V201(V)(F)(T)

Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1 (closed)

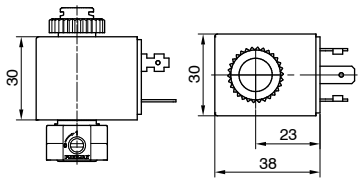


External feeding - N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)

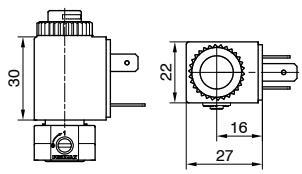


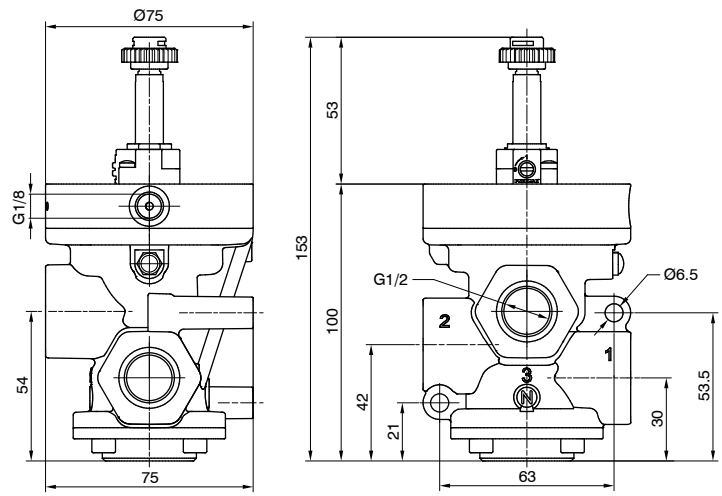
3/2

30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

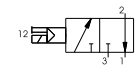




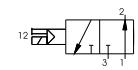
Weight 693,5 g

PG2V301(V)(F)(T)

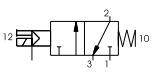
Self feeding - N.O.
Pump 1
Outlet port 2
Exhaust port 3



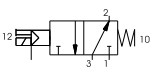
Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1



External feeding - N.O.
Pump 3
Outlet port 2
Exhaust port 1



External feeding - N.C.
Pump 1
Outlet port 2
Exhaust port 3



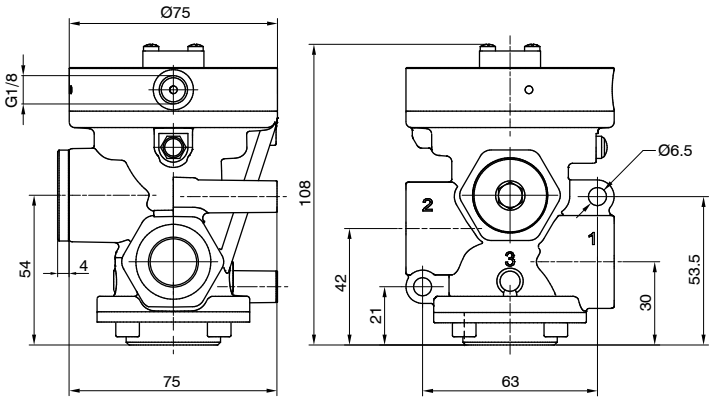
Pneumatic - Spring

Coding: PG3A(N)11E(F)00000

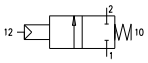
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	2,5
Temperature °C	-5 ... +70
Flow rate at 6 bar with Δp=1 (Nl/min)	6100
Orifice size (mm)	20
Working ports size	G3/4"
Pilot ports size	G1/8"

(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed

2/2



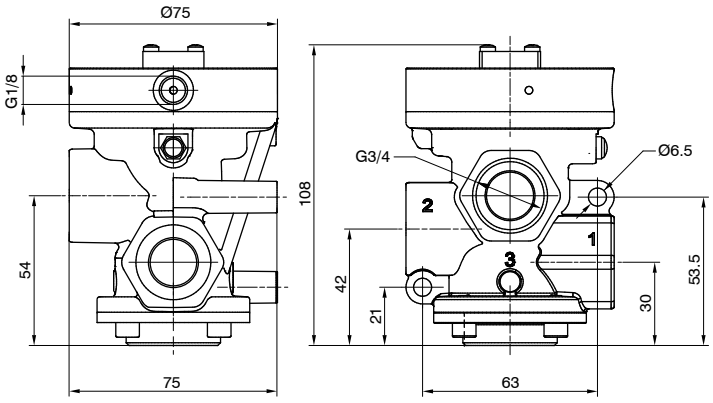
N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



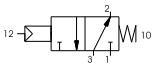
Weight 576,5 g

PG3A211E(F)00000

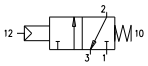
3/2



N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



Weight 522,5 g

PG3A311E(F)00000

AIR DISTRIBUTION

Solenoid-Spring

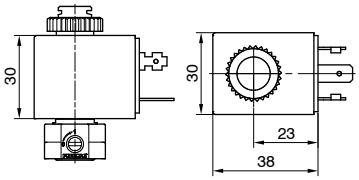
Coding: PG3A Ⓝ 01 Ⓥ Ⓕ Ⓣ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	2,5
Temperature °C	-5 ... +50
Flow rate at 6 bar with Δp=1 (Nl/min)	6100
Orifice size (mm)	20
Working ports size	G3/4"
Pilot ports size	G1/8"
Responce time according to ISO 12238, activation time (ms)	22 (self feeding version)
Responce time according to ISO 12238, deactivation time (ms)	81 (self feeding version)

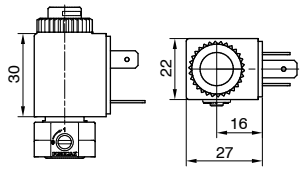
Ⓝ	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
Ⓥ	VERSION
	A = Self feeding
	E = External feeding
Ⓕ	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
Ⓣ	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 230 V 50/60 Hz
	10000 = Without solenoid coil
Ⓣ	VOLTAGE (30 MM SOLENOID COIL)
	S40C0 = 12 VDC
	S50C0 = 24 VDC
	S60C0 = 24 V 50/60 Hz
	S70C0 = 110 V 50/60 Hz
	S80C0 = 230 V 50/60 Hz
	10000 = Without solenoid coil

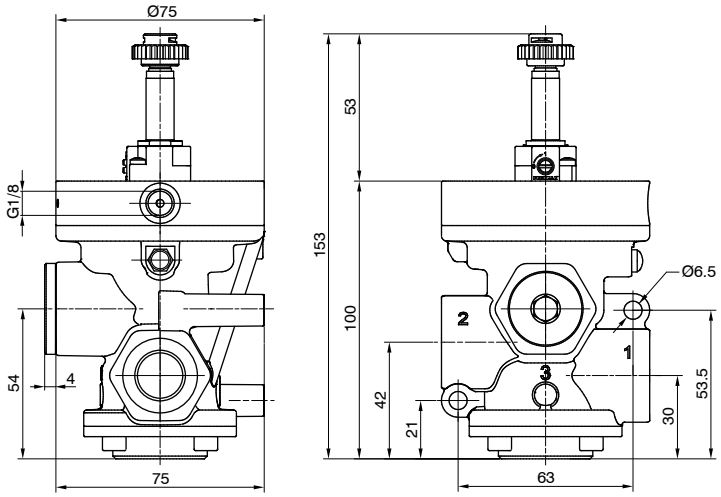
2/2

30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

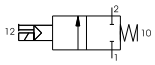




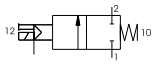
Weight 621,5 g

PG3A201ⓋⒻⓉ

Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)

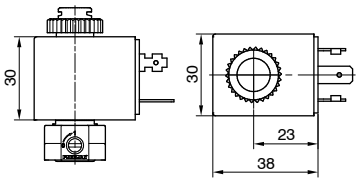


External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)

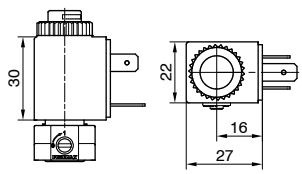


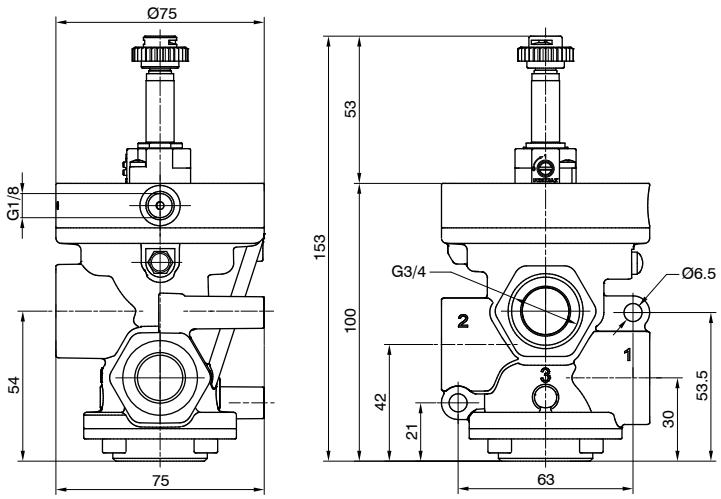
3/2

30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

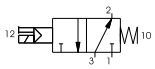




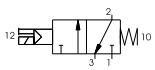
Weight 567,5 g

PG3A301ⓋⒻⓉ

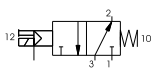
Self feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



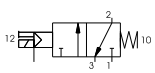
Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



External feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



AIR DISTRIBUTION

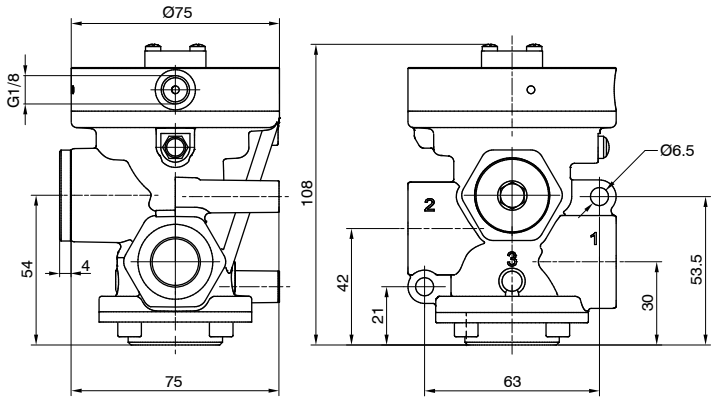
Pneumatic - Spring

Coding: PG3V(N)11E(F)00000

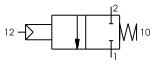
Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2
Temperature °C	-5 ... +70
Orifice size (mm)	20
Working ports size	G3/4"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5

(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed

2/2



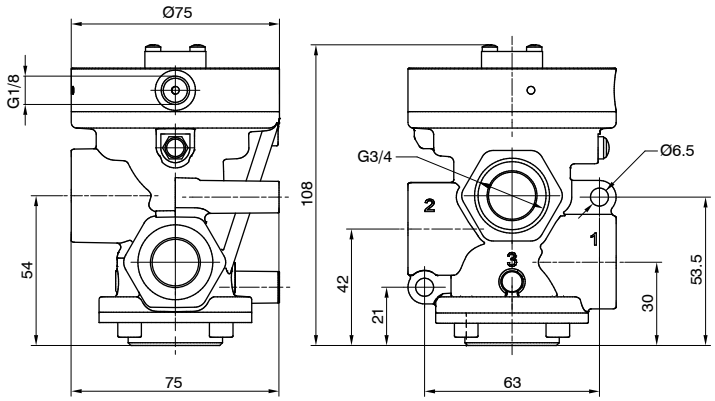
N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)



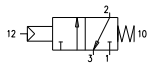
Weight 576,5 g

PG3V211E(F)00000

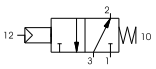
3/2



N.O.
Pump 3
Outlet port 2
Exhaust port 1



N.C.
Pump 1
Outlet port 2
Exhaust port 3



Weight 522,5 g

PG3V311E(F)00000

AIR DISTRIBUTION

Solenoid-Spring

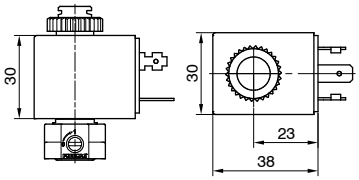
Coding: PG3V(N)01(V)(F)(T)

Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2 (external feeding version)
Temperature °C	-5 ... +50
Orifice size (mm)	20
Working ports size	G3/4"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5
Minimum operating vacuum (mmHg)	250 (self feeding version)

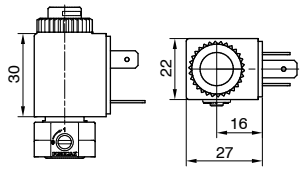
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(V)	VERSION
	A = Self feeding
	E = External feeding
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
(T)	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 230 V 50/60 Hz
	10000 = Without solenoid coil
(T)	VOLTAGE (30 MM SOLENOID COIL)
	S40C0 = 12 VDC
	S50C0 = 24 VDC
	S60C0 = 24 V 50/60 Hz
	S70C0 = 110 V 50/60 Hz
	S80C0 = 230 V 50/60 Hz
	10000 = Without solenoid coil

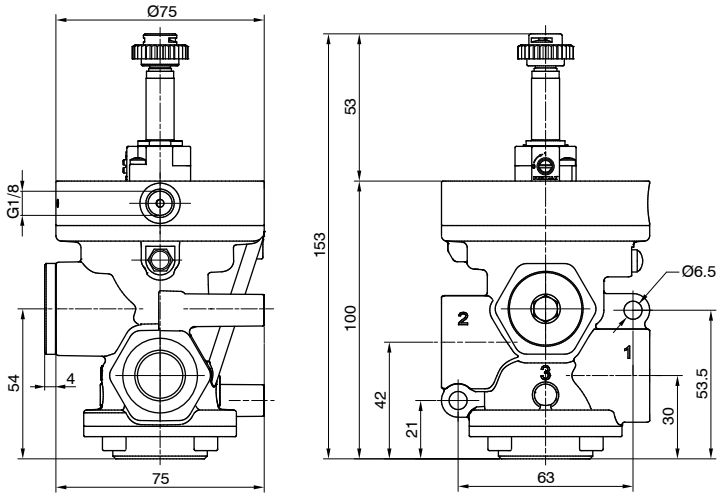
2/2

30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE

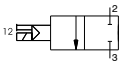


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

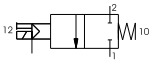




Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1 (closed)



External feeding - N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)

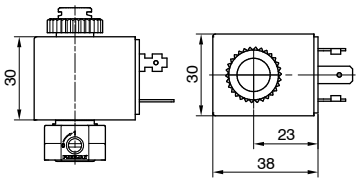


Weight 621,5 g

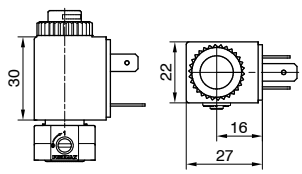
PG3V201(V)(F)(T)

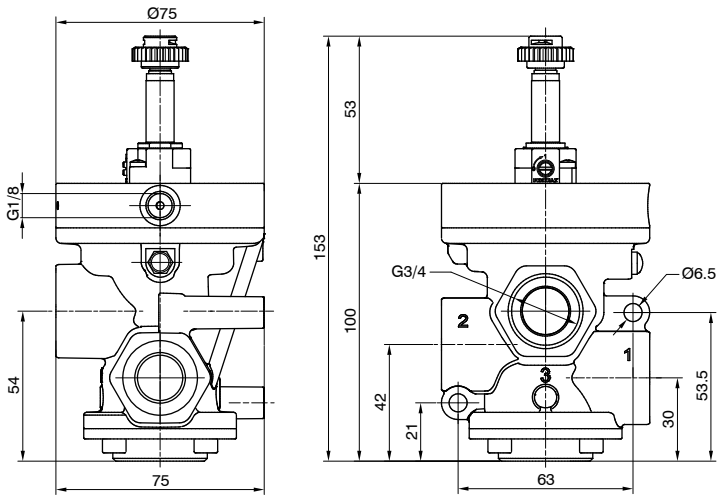
3/2

30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE

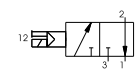


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

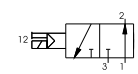




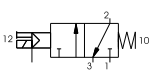
Self feeding - N.O.
Pump 1
Outlet port 2
Exhaust port 3



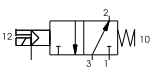
Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1



External feeding - N.O.
Pump 3
Outlet port 2
Exhaust port 1



External feeding - N.C.
Pump 1
Outlet port 2
Exhaust port 3



Weight 567,5 g

PG3V301(V)(F)(T)

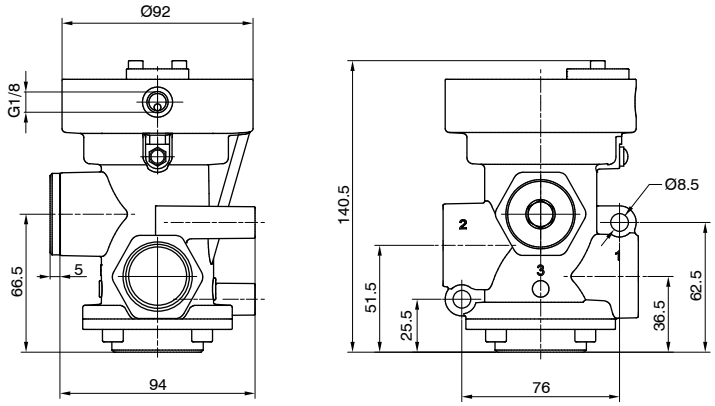
Pneumatic - Spring

Coding: PG1A(N)11E(F)00000

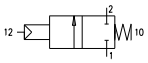
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	2,5
Temperature °C	-5 ... +70
Flow rate at 6 bar with Δp=1 (Nl/min)	12500
Orifice size (mm)	25
Working ports size	G1"
Pilot ports size	G1/8"

(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed

2/2



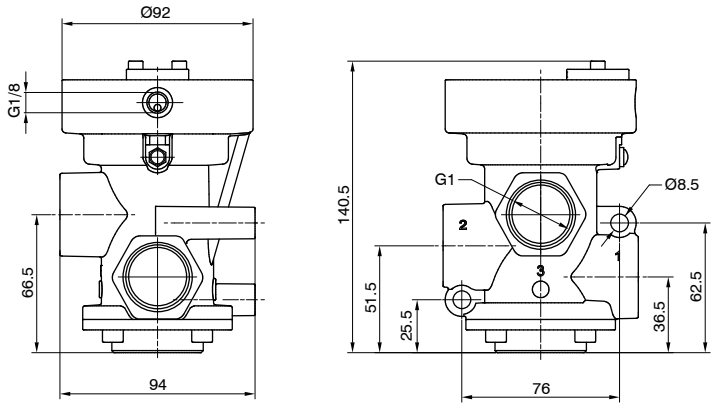
N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



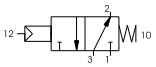
Weight 1231,5 g

PG1A211E(F)00000

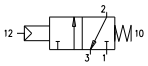
3/2



N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



Weight 1139,5 g

PG1A311E(F)00000

AIR DISTRIBUTION

Solenoid-Spring

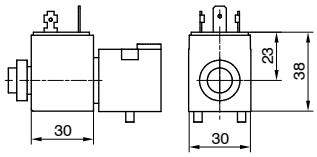
Coding: PG1A Ⓝ 01 ⓋⒻⓉ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	2,5
Temperature °C	-5 ... +50
Flow rate at 6 bar with Δp=1 (Nl/min)	12500
Orifice size (mm)	25
Working ports size	G1/2"
Pilot ports size	G1/8"
Responce time according to ISO 12238, activation time (ms)	27 (self feeding version)
Responce time according to ISO 12238, deactivation time (ms)	88 (self feeding version)

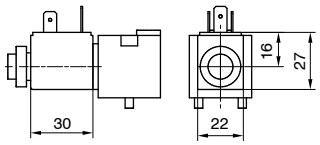
Ⓝ	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
Ⓥ	VERSION
	A = Self feeding
	E = External feeding
Ⓕ	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
Ⓣ	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 230 V 50/60 Hz
	10000 = Without solenoid coil
Ⓣ	VOLTAGE (30 MM SOLENOID COIL)
	S40C0 = 12 VDC
	S50C0 = 24 VDC
	S60C0 = 24 V 50/60 Hz
	S70C0 = 110 V 50/60 Hz
	S80C0 = 230 V 50/60 Hz
	10000 = Without solenoid coil

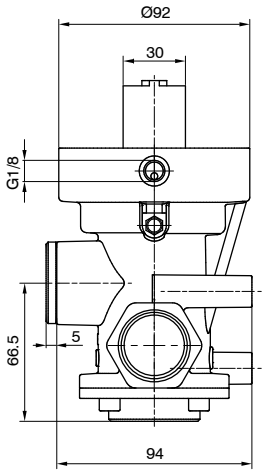
2/2

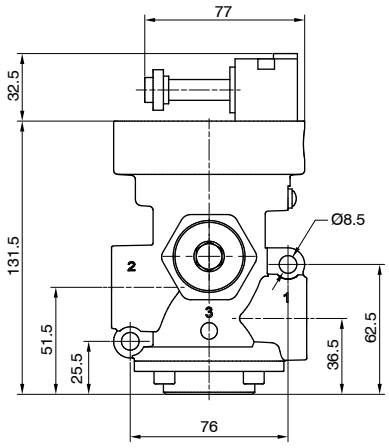
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



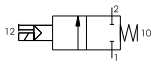
22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE



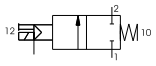




Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)

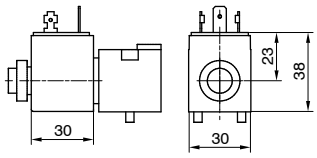


Weight 1290 g

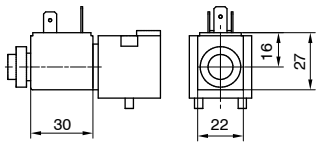
PG1A201ⓋⒻⓉ

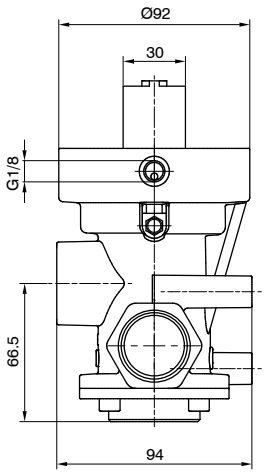
3/2

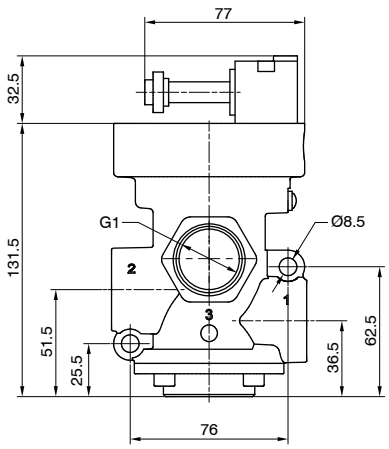
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



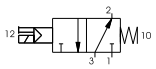
22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE



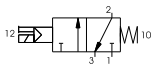




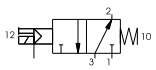
Self feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



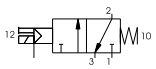
Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



External feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



Weight 1198 g

PG1A301ⓋⒻⓉ

AIR DISTRIBUTION

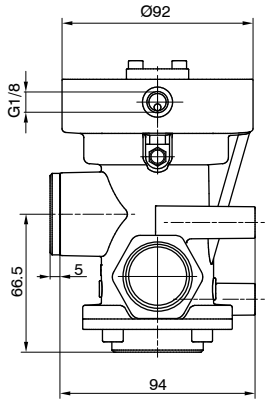
Pneumatic - Spring

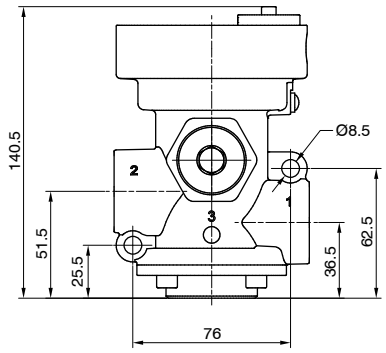
Coding: PG1V(N)11E(F)00000

Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2
Temperature °C	-5 ... +70
Orifice size (mm)	25
Working ports size	G1"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5

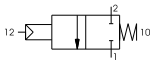
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed

2/2





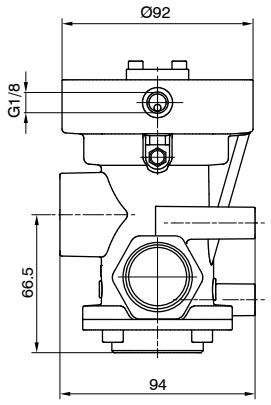
N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)

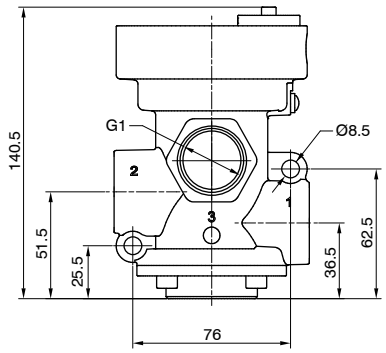


Weight 1231,5 g

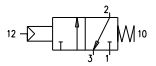
PG1V211E(F)00000

3/2

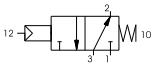




N.O.
Pump 3
Outlet port 2
Exhaust port 1



N.C.
Pump 1
Outlet port 2
Exhaust port 3



Weight 1139,5 g

PG1V311E(F)00000

AIR DISTRIBUTION

Solenoid-Spring

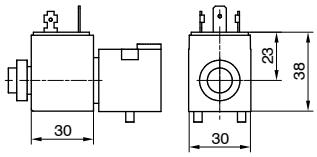
Coding: PG1V(N)01(V)(F)(T)

Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2 (external feeding version)
Temperature °C	-5 ... +50
Orifice size (mm)	25
Working ports size	G1"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5
Minimum operating vacuum (mmHg)	250 (self feeding version)

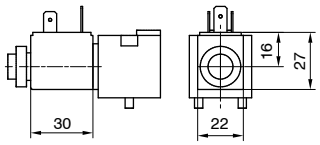
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(V)	VERSION
	A = Self feeding
	E = External feeding
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
(T)	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 230 V 50/60 Hz
	10000 = Without solenoid coil
(T)	VOLTAGE (30 MM SOLENOID COIL)
	S40C0 = 12 VDC
	S50C0 = 24 VDC
	S60C0 = 24 V 50/60 Hz
	S70C0 = 110 V 50/60 Hz
	S80B0 = 230 V 50/60 Hz
	10000 = Without solenoid coil

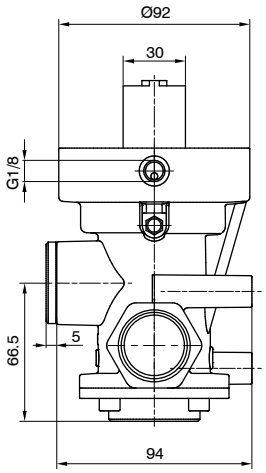
2/2

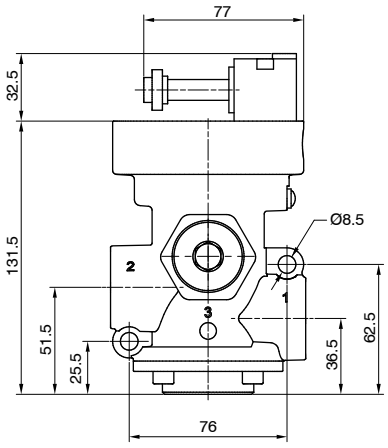
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



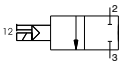
22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE



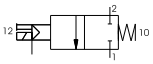




Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1 (closed)



External feeding - N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)

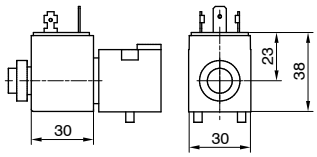


Weight 1290 g

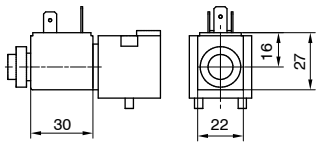
PG1V201(V)(F)(T)

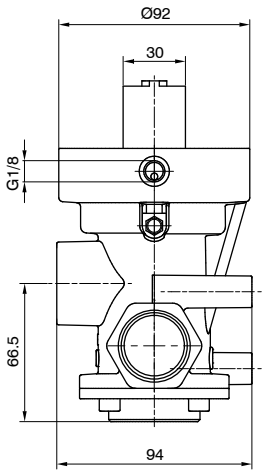
3/2

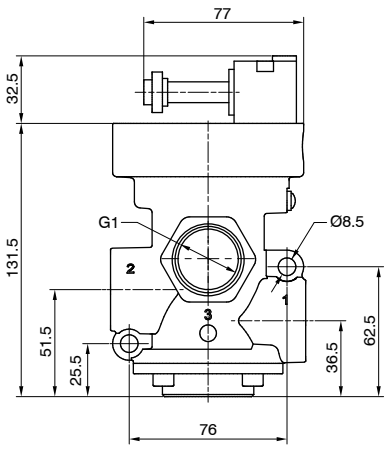
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



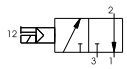
22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE



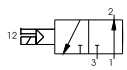




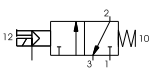
Self feeding - N.O.
Pump 1
Outlet port 2
Exhaust port 3



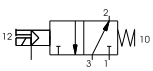
Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1



External feeding - N.O.
Pump 3
Outlet port 2
Exhaust port 1



External feeding - N.C.
Pump 1
Outlet port 2
Exhaust port 3



Weight 1198 g

PG1V301(V)(F)(T)

Pneumatic - Spring

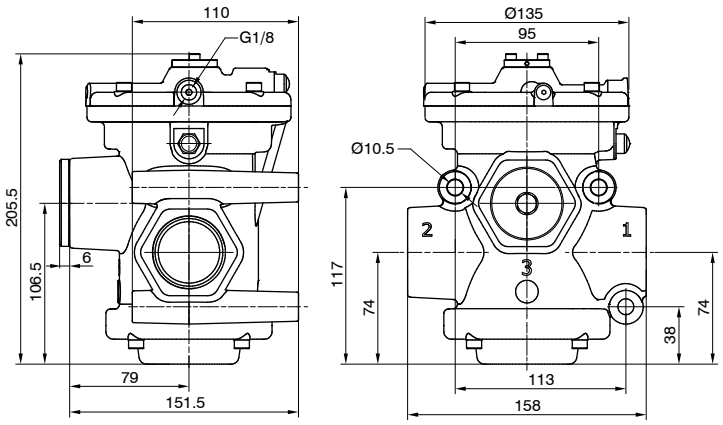
Coding: PG6A(N)11E(F)00000

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	3
Temperature °C	-5 ... +70
Flow rate at 6 bar with Δp=1 (Nl/min)	33500
Orifice size (mm)	38
Working ports size	G1 1/2"
Pilot ports size	G1/8"

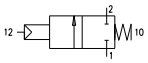
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed

AIR DISTRIBUTION

2/2



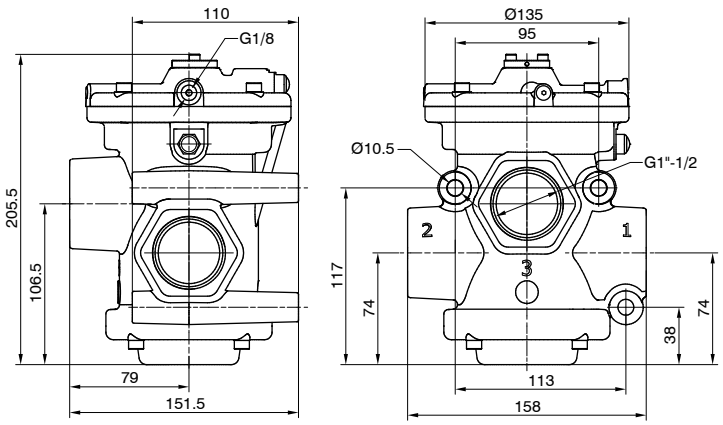
N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



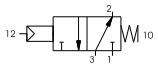
Weight 3417 g

PG6A211E(F)00000

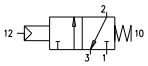
3/2



N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



Weight 3168 g

PG6A311E(F)00000

Solenoid-Spring

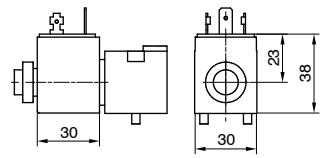
Coding: PG6A(N)01(V)(F)(T)

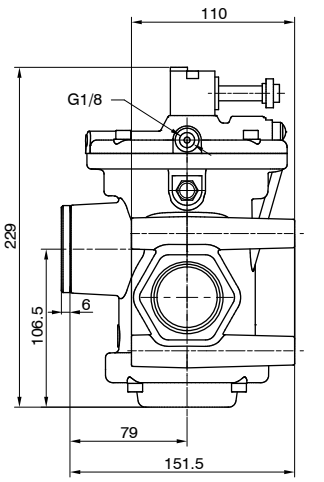
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	3
Temperature °C	-5 ... +50
Flow rate at 6 bar with Δp=1 (Nl/min)	33500
Orifice size (mm)	38
Working ports size	G1 1/2"
Pilot ports size	G1/8"
Responce time according to ISO 12238, activation time (ms)	182 (self feeding version)
Responce time according to ISO 12238, deactivation time (ms)	78 (self feeding version)

(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(V)	VERSION
	A = Self feeding
	E = External feeding
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
(T)	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 230 V 50/60 Hz
	10000 = Without solenoid coil
(T)	VOLTAGE (30 MM SOLENOID COIL)
	S40C0 = 12 VDC
	S50C0 = 24 VDC
	S60C0 = 24 V 50/60 Hz
	S70C0 = 110 V 50/60 Hz
	S80C0 = 230 V 50/60 Hz
	10000 = Without solenoid coil

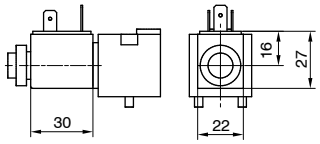
2/2

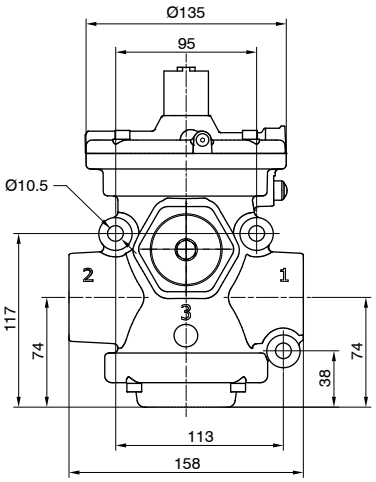
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



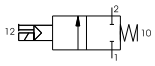


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

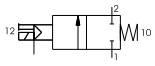




Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)

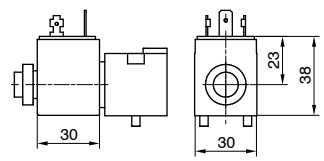


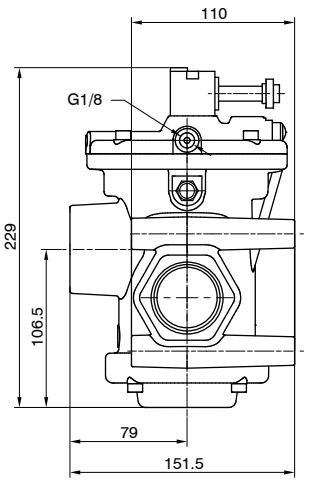
Weight 3491,5 g

PG6A201(V)(F)(T)

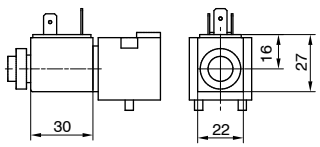
3/2

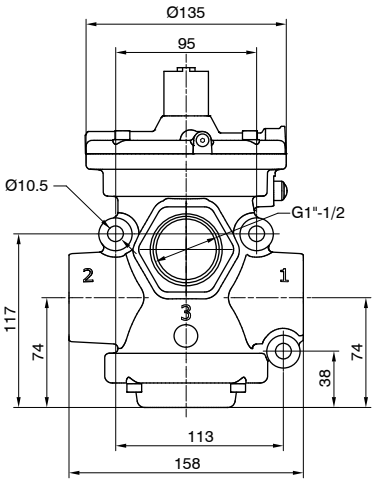
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



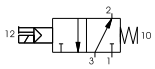


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

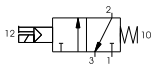




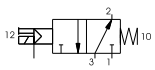
Self feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



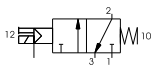
Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



External feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



Weight 3242,5 g

PG6A301(V)(F)(T)

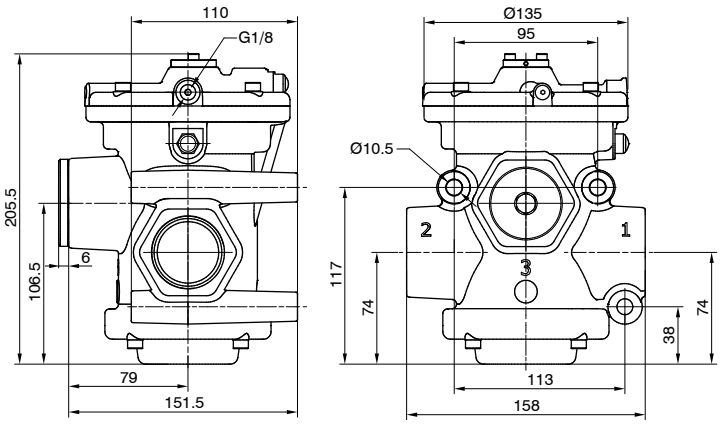
Pneumatic - Spring

Coding: PG6V(N)11E(F)00000

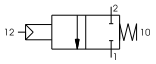
Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2
Temperature °C	-5 ... +70
Orifice size (mm)	38
Working ports size	G1 1/2"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5

(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed

2/2



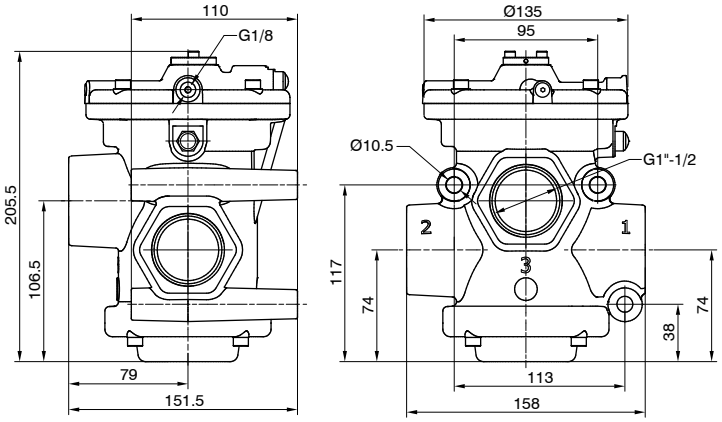
N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)



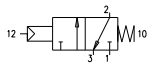
Weight 3417 g

PG6V211E(F)00000

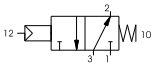
3/2



N.O.
Pump 3
Outlet port 2
Exhaust port 1



N.C.
Pump 1
Outlet port 2
Exhaust port 3



Weight 3168 g

PG6V311E(F)00000

Solenoid-Spring

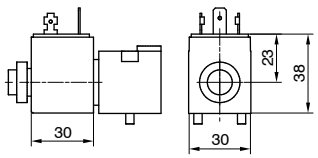
Coding: PG6V Ⓝ 01 ⓋⒻⓉ

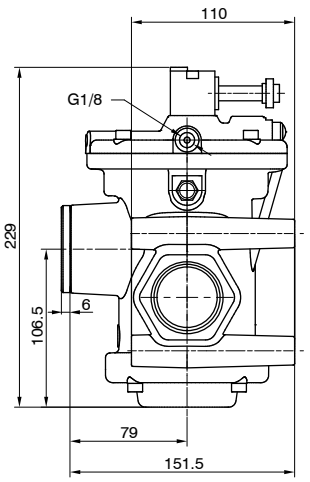
Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2 (external feeding version)
Temperature °C	-5 ... +50
Orifice size (mm)	38
Working ports size	G1 1/2"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5
Minimum operating vacuum (mmHg)	250 (self feeding version)

Ⓝ	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
Ⓥ	VERSION
	A = Self feeding
	E = External feeding
Ⓕ	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
Ⓣ	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 230 V 50/60 Hz
	10000 = Without solenoid coil
Ⓣ	VOLTAGE (30 MM SOLENOID COIL)
	S40C0 = 12 VDC
	S50C0 = 24 VDC
	S60C0 = 24 V 50/60 Hz
	S70C0 = 110 V 50/60 Hz
	S80C0 = 230 V 50/60 Hz
	10000 = Without solenoid coil

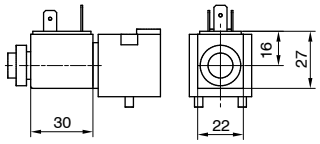
2/2

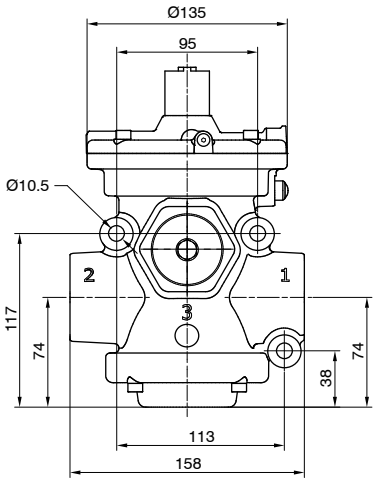
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



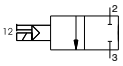


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

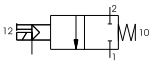




Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1 (closed)



External feeding - N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)

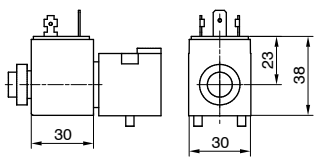


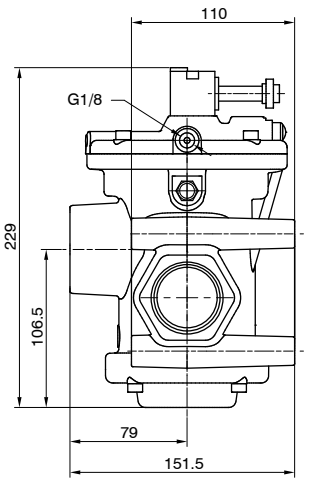
Weight 3491,5 g

PG6V201ⓋⒻⓉ

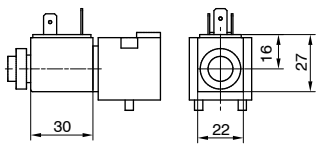
3/2

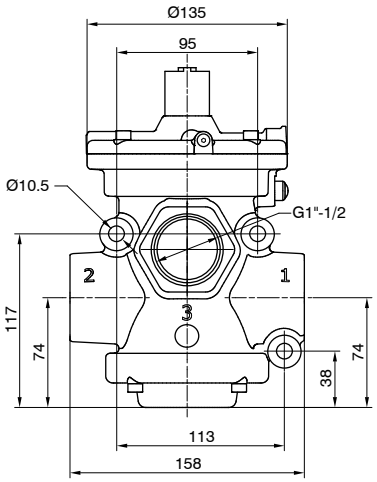
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



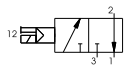


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

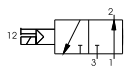




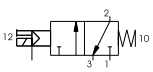
Self feeding - N.O.
Pump 1
Outlet port 2
Exhaust port 3



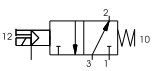
Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1



External feeding - N.O.
Pump 3
Outlet port 2
Exhaust port 1



External feeding - N.C.
Pump 1
Outlet port 2
Exhaust port 3



Weight 3242,5 g

PG6V301ⓋⒻⓉ

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