General

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.
For the compressed air oparation, the application is similar to the equivalent spool valves while for the vacuum operation a particular attention should be paid to the valve selected and its connection to the pump.
For the electric pilot it is used a normal miniature solenoid M2 with pneumatic actuator and the special miniature solenoid M2/V with vacuum.
The ordering code are referring to the solenoid valves with mechanics "M2" or "M2/V" assembled (see Series 300). (Coil are not included and have to be ordored separately).

Coil c UL us homologated are available (see 300 Series).

Construction characteristics

	G 3/8"	G 1/2" - G 3/4"	G 1"	G 1 1/2"
Body	Aluminium	Zinc alloy	Aluminium	Aluminium
Bottom plates	Aluminium			
Actuators	NBR			
Pistons	Aluminium			
Actuators rod	Stainless steel			
Spring	Stainless steel			
Piston seals	NBR			

Use and maintenance

These valves are a mean life of 10 to 15 millions of cycles under normal operating conditions.
Lubrication is not required for good operation but we recommend good filtration to avoid dirty deposit causing malfunction.
Check that the operating conditions: pressure, temperature and so on are as suggested.
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, pay attention that the exhaust flow is not same as inlet flow otherwise there will not be sufficient differential pressure for depression for the piston. This happen normelly with poppet valves because they have no closed centres position and an insufficient pressure will put the valve in exhaust position through the port 3. In this case choose the external pilot version.

Vacuum valves connections

NORMALLY CLOSED INTERNAL PILOT

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

P = 1 = EXHAUST
A = 2 = OUTLET
R = 3 = PUMP

NORMALLY OPEN INTERNAL PILOT

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

P = 1 = PUMP
A = 2 = OUTLET
R = 3 = EXHAUST

NORMALLY CLOSED EXTERNAL PILOT

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

P = 1 = PUMP
A = 2 = OUTLET
R = 3 = EXHAUST

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

NORMALLY OPEN EXTERNAL PILOT

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

P = 1 = EXHAUST
A = 2 = OUTLET
R = 3 = PUMP

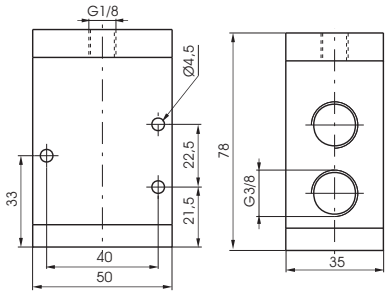
779/V.32.11.1A
773/V.32.11.1A
771/V.32.11.1A

Pneumatic - Spring

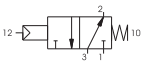
Ordering code

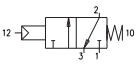
779.32.11.Ⓕ

Ⓕ	FUNCTION
	1C = Normally Closed
	1A = Normally Open



Weight gr. 360
Attention : for the Normally open version, connect the inlet port to the exhaust port No "3".
Minimum piloting pressure 2,5 bar





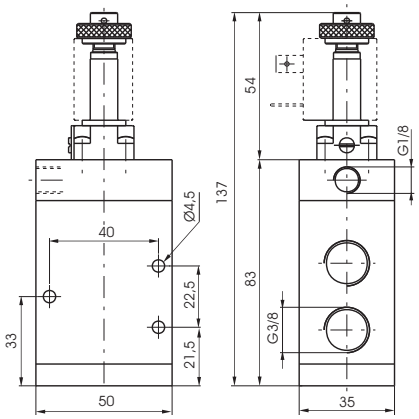
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	1800	10	G 3/8"	G 1/8"

Solenoid - Spring

Ordering code

779.32.0.Ⓕ.M2

Ⓕ	FUNCTION
	1AC = Internal Pilot N.C.
	1C = External Pilot Normally Closed
	1AA = Internal Pilot N.A.
	1A = External Pilot Normally Open



Weight gr. 420
Minimum working pressure 2,5 bar (External Pilot) - 3 bar (Internal Pilot)

Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +50	1800	10	G 3/8"	G 1/8"

2

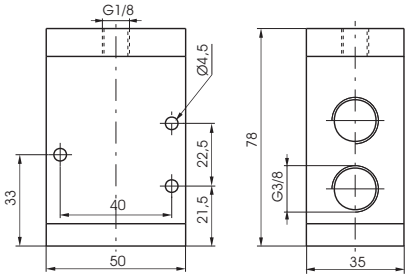
2

Pneumatic - Spring

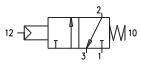
Ordering code

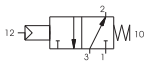
779/V.32.11.Ⓕ

Ⓕ	FUNCTION
	1C = Normally Closed
	1A = Normally Open



Weight gr. 360
Minimum piloting pressure 2 bar





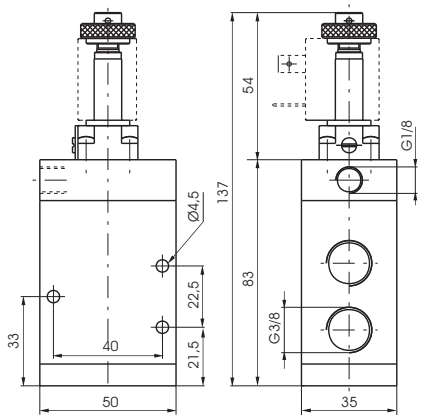
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	10	G 3/8"	G 1/8"

Solenoid - Spring - Internal Pilot

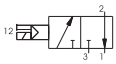
Ordering code

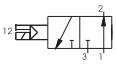
779/V.32.0.Ⓕ.M2/V

Ⓕ	FUNCTION
	1AA = Normally Open
	1AC = Normally Closed



Weight gr. 420





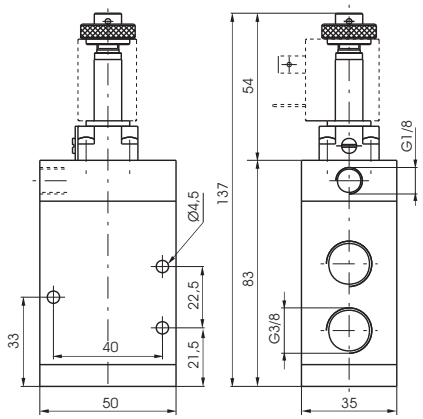
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	10	G 3/8"	G 1/8"

Solenoid - Spring - External Pilot

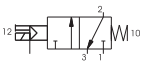
Ordering code

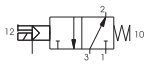
779/V.32.0.Ⓕ.M2

Ⓕ	FUNCTION
	1A = Normally Open
	1C = Normally Closed



Weight gr. 420
Minimum working pressure 2 bar (External Pilot)



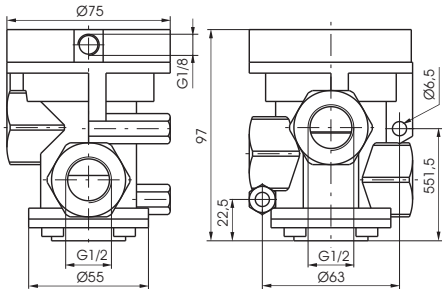


Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	10	G 3/8"	G 1/8"

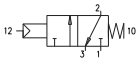
Pneumatic - Spring

Ordering code

772.32.11.1C



Weight gr. 1100
Normally Closed
Minimum piloting pressure 2,5 bar



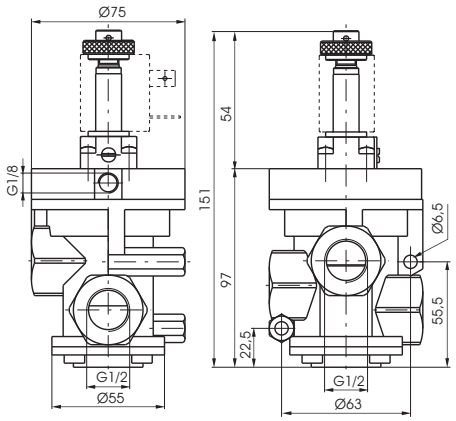
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orience size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	4800	15	G 1/2"	G 1/8"

Solenoid - Spring

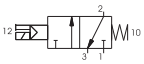
Ordering code

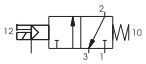
772.32.0.Ⓕ.M2

	FUNCTION
Ⓕ	1AC = Internal Pilot Normally Closed
	1C = External Pilot Normally Closed



Weight gr. 1160
Minimum working pressure 2,5 bar (External Pilot) - 3 bar (Internal Pilot)





Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orience size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +50	4800	15	G 1/2"	G 1/8"

2

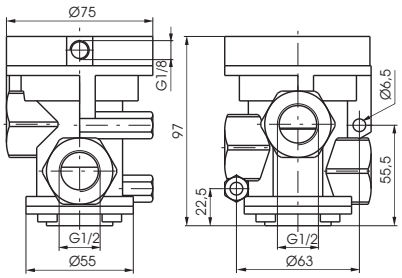
2

Pneumatic - Spring

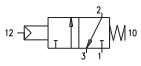
Ordering code

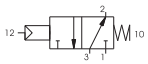
772/V.32.11.Ⓕ

Ⓕ	FUNCTION
	1C = Normally Closed
	1A = Normally Open



Weight gr. 1100
Minimum piloting pressure 2 bar





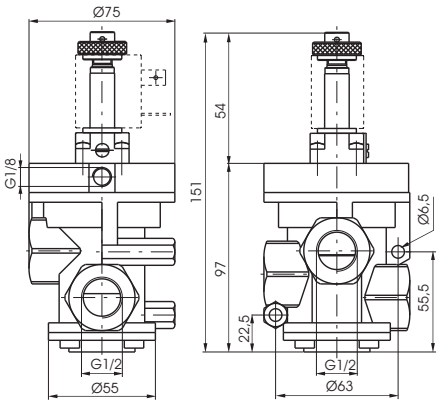
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	15	G 1/2"	G 1/8"

Solenoid - Spring - Internal Pilot

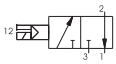
Ordering code

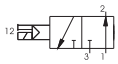
772/V.32.0.Ⓕ.M2/V

Ⓕ	FUNCTION
	1AA = Normally Open
	1AC = Normally Closed



Weight gr. 1160





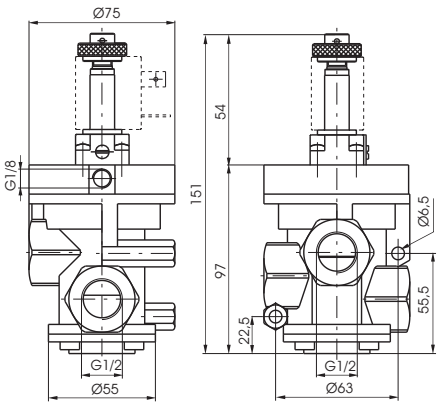
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	15	G 1/2"	G 1/8"

Solenoid - Spring - External Pilot

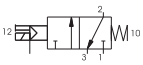
Ordering code

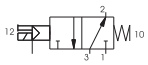
772/V.32.0.Ⓕ.M2

Ⓕ	FUNCTION
	1A = Normally Open
	1C = Normally Closed



Weight gr. 1160
Minimum working pressure 2 bar (External Pilot)



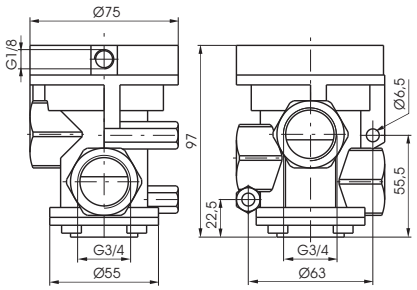


Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	15	G 1/2"	G 1/8"

Pneumatic - Spring

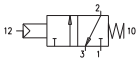
Ordering code

773.32.11.1C



Weight gr. 990

Normally Closed
Minimum piloting pressure 2,5 bar



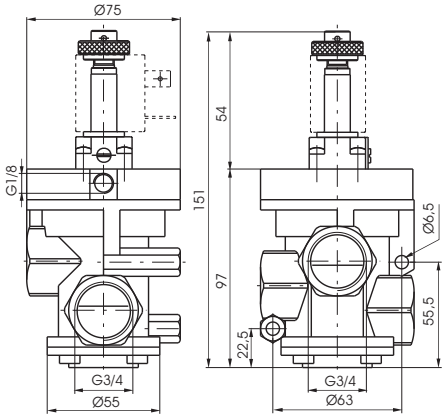
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orience size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	6100	20	G 3/4"	G 1/8"

Solenoid - Spring

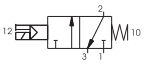
Ordering code

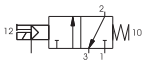
773.32.0.Ⓕ.M2

	FUNCTION
Ⓕ	1AC = Internal Pilot Normally Closed
	1C = External Pilot Normally Closed



Weight gr. 1050
Minimum working pressure 2,5 bar (External Pilot) - 3 bar (Internal Pilot)





Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orience size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +50	6100	20	G 3/4"	G 1/8"

2

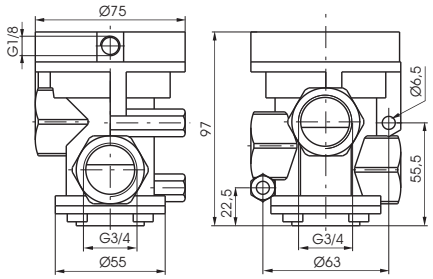
2

Pneumatic - Spring

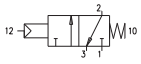
Ordering code

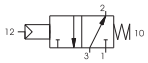
773/V.32.11.Ⓕ

Ⓕ	FUNCTION
	1C = Normally Closed
	1A = Normally Open



Weight gr. 990
Minimum piloting pressure 2 bar





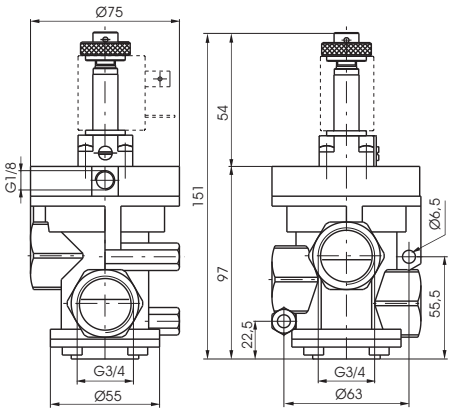
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	20	G 3/4"	G 1/8"

Solenoid - Spring - Internal Pilot

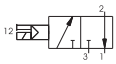
Ordering code

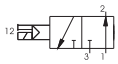
773/V.32.0.Ⓕ.M2/V

Ⓕ	FUNCTION
	1AA = Normally Open
	1AC = Normally Closed



Weight gr. 1050





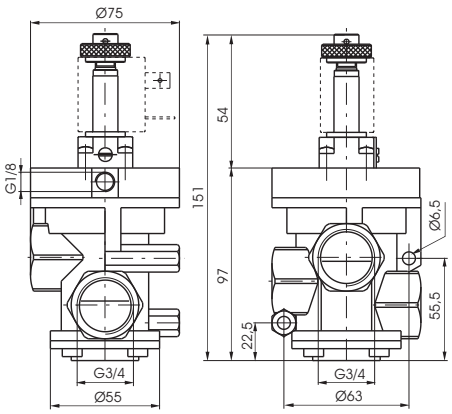
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	20	G 3/4"	G 1/8"

Solenoid - Spring - External Pilot

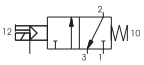
Ordering code

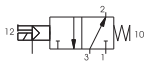
773/V.32.0.Ⓕ.M2

Ⓕ	FUNCTION
	1A = Normally Open
	1C = Normally Closed



Weight gr. 1050
Minimum working pressure 2 bar (External Pilot)



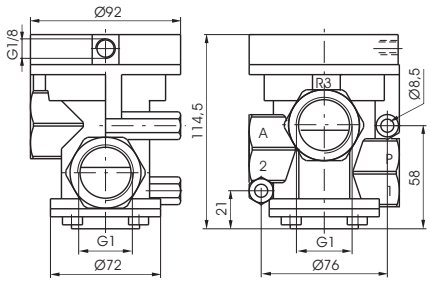


Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	20	G 3/4"	G 1/8"

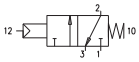
Pneumatic - Spring

Ordering code

771.32.11.1C



Weight gr. 1060
Normally Closed
Minimum piloting pressure 2 ,5 bar



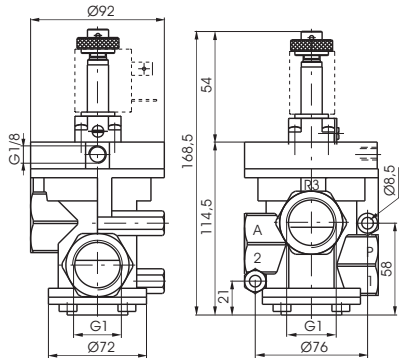
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	12000	25	G 1"	G 1/8"

Solenoid - Spring

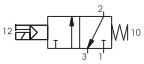
Ordering code

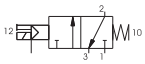
771.32.0.Ⓕ.M2

Ⓕ	FUNCTION
	1AC = Internal Pilot Normally Closed
	1C = External Pilot Normally Closed



Weight gr. 1120
Minimum working pressure 2,5 bar (External Pilot) - 3 bar (Internal Pilot)





Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +50	12000	25	G 1"	G 1/8"

2

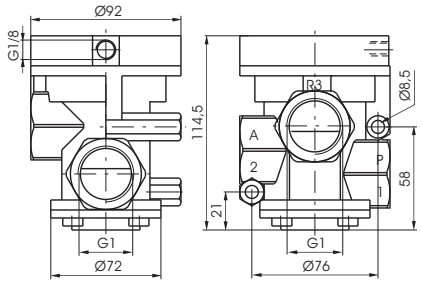
2

Pneumatic - Spring

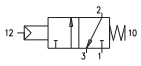
Ordering code

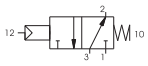
771/V.32.11.Ⓕ

Ⓕ	FUNCTION
	1C = Normally Closed
	1A = Normally Open



Weight gr. 1060
Minimum piloting pressure 2 bar





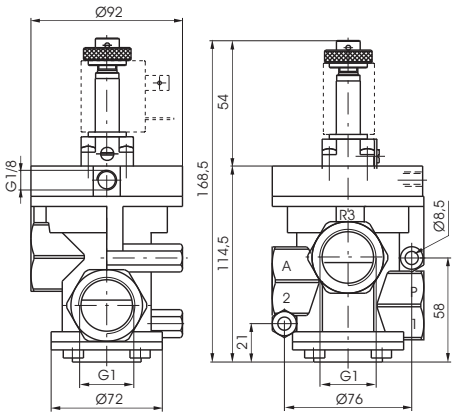
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	25	G 1"	G 1/8"

Solenoid - Spring - Internal Pilot

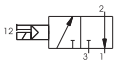
Ordering code

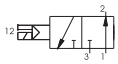
771/V.32.0.Ⓕ.M2/V

Ⓕ	FUNCTION
	1AA = Normally Open
	1AC = Normally Closed



Weight gr. 1120





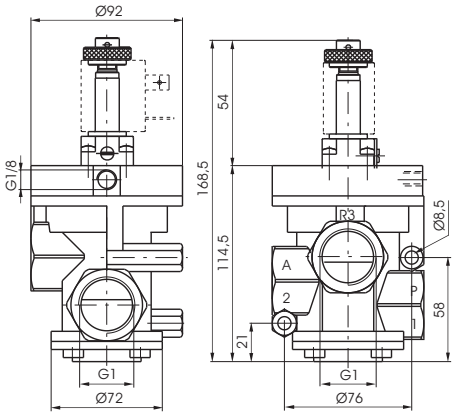
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	25	G 1"	G 1/8"

Solenoid - Spring - External Pilot

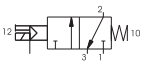
Ordering code

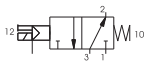
771/V.32.0.Ⓕ.M2

Ⓕ	FUNCTION
	1A = Normally Open
	1C = Normally Closed



Weight gr. 1120
Minimum working pressure 2 bar (External Pilot)



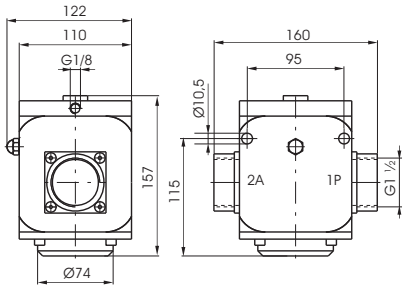


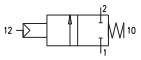
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	25	G 1"	G 1/8"

Pneumatic - Spring

Ordering code

776.22.11.1C





Weight gr. 3950
Normally Closed
Minimum piloting pressure 2,5 bar

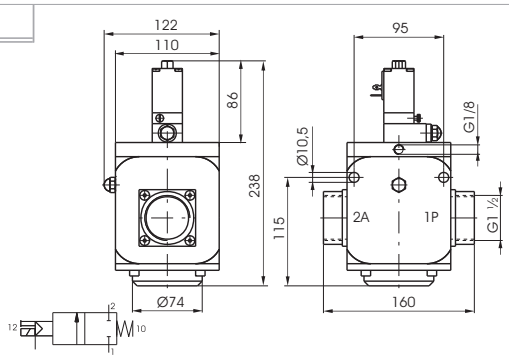
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	33500	38	G1 1/2"	G 1/8"

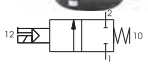
Solenoid - Spring

Ordering code

776.22.0.Ⓕ.Ⓢ

	FUNCTION
Ⓕ	1AC = Internal Pilot Normally Closed
	1C = External Pilot Normally Closed
Ⓢ	SOLENOID CODE
	See Valves Series 300 Type "S"





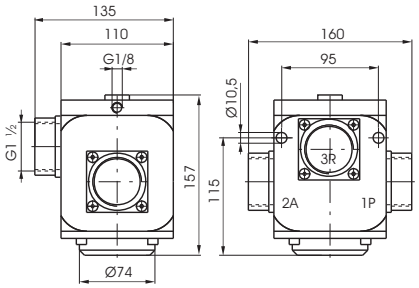
Weight gr. 4450
Minimum working pressure 2,5 bar (External Pilot) - 3 bar (Internal Pilot)

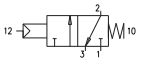
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +50	33500	38	G1 1/2"	G 1/8"

Pneumatic - Spring

Ordering code

776.32.11.1C





Weight gr. 3900
Normally Closed
Minimum piloting pressure 2,5 bar

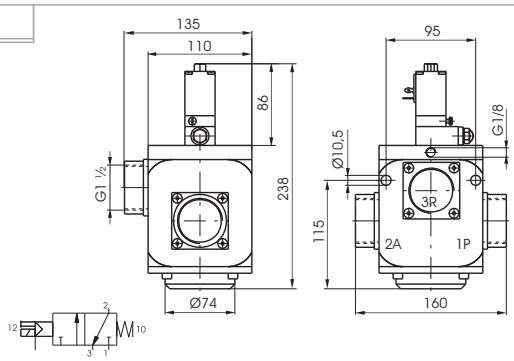
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	33500	38	G1 1/2"	G 1/8"

Solenoid - Spring

Ordering code

776.32.0.Ⓕ.Ⓢ

	FUNCTION
Ⓕ	1AC = Internal Pilot Normally Closed
	1C = External Pilot Normally Closed
Ⓢ	SOLENOID CODE
	See Valves Series 300 Type "S"



Weight gr. 4450
Minimum working pressure 2,5 bar (External Pilot) - 3 bar (Internal Pilot)

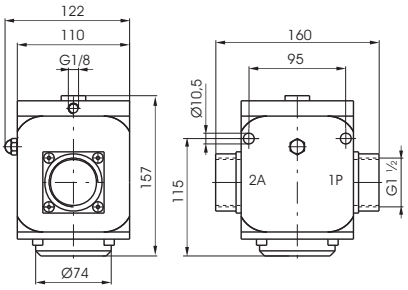
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +50	33500	38	G1 1/2"	G 1/8"

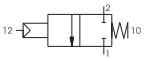
2

Pneumatic - Spring

Ordering code

776/V.22.11.1C





Weight gr. 3950
Normally Closed
Minimum piloting pressure 2 bar

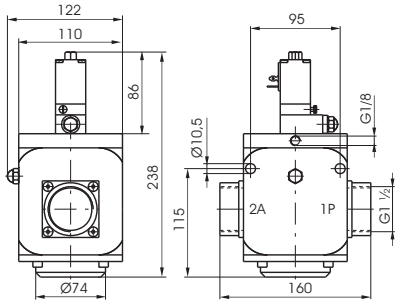
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	38	G1 1/2"	G 1/8"

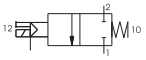
Solenoid - Spring

Ordering code

776/V.22.0.1C.Ⓢ

Ⓢ	SOLENOID CODE
	See Valves Series 300 Type "S"





Weight gr. 4450
External Pilot Normally Closed
Minimum working pressure 2 bar

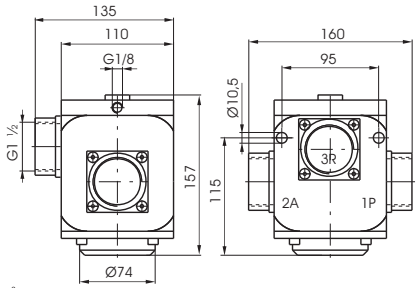
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	38	G1 1/2"	G 1/8"

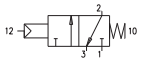
Pneumatic - Spring

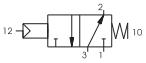
Ordering code

776/V.32.11.Ⓕ

Ⓕ	FUNCTION
	1C = Normally Closed
	1A = Normally Open







Weight gr. 3900
Minimum piloting pressure 2 bar

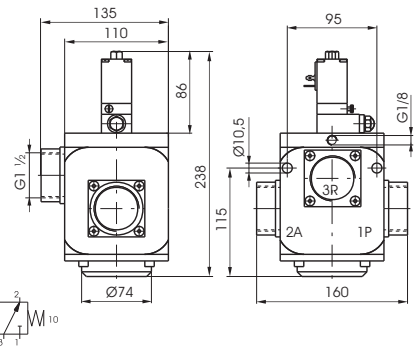
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	38	G1 1/2"	G 1/8"

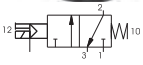
Solenoid - Spring

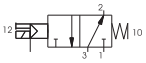
Ordering code

776/V.32.0.Ⓕ.Ⓢ

Ⓕ	FUNCTION
	1C = External Pilot Normally Closed
	1A = External Pilot Normally Open
Ⓢ	SOLENOID CODE
	See Valves Series 300 Type "S"







Weight gr. 4500
Minimum working pressure 2 bar

Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-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.

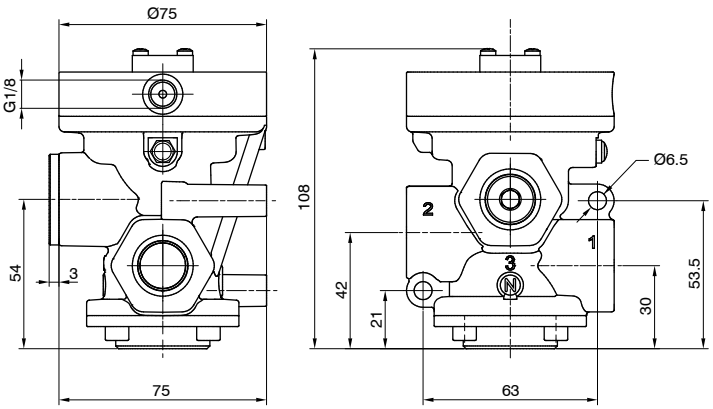
Pneumatic - Spring

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

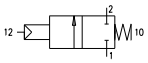
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	2,5
Temperature °C	-5 ... +70
Flow rate at 6 bar with Δp=1 (Nl/min)	4800
Orifice size (mm)	15
Working ports size	G1/2"
Pilot ports size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



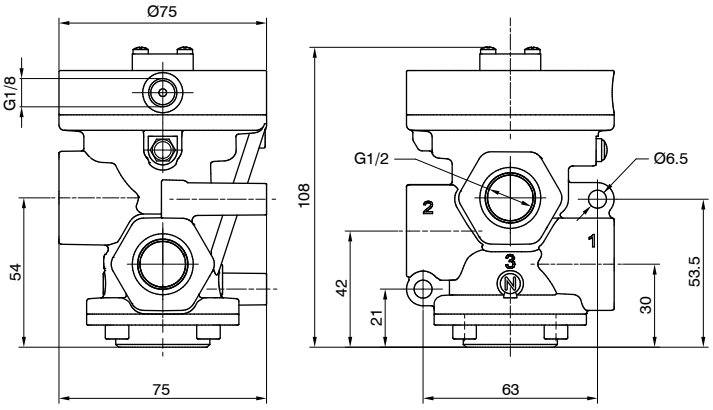
N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



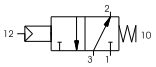
Weight 675 g

PG2A211E(F)00000

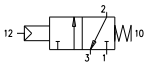
3/2



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

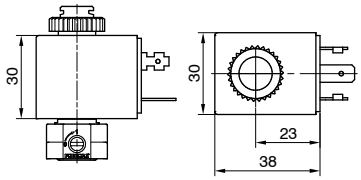
Coding: PG2A(N)01(V)(F)(T)

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)

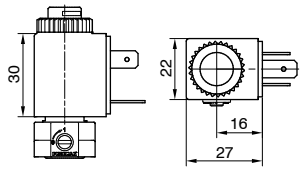
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(V)	VERSION
	A = Self feeding
	E = External feeding
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
(T)	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	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

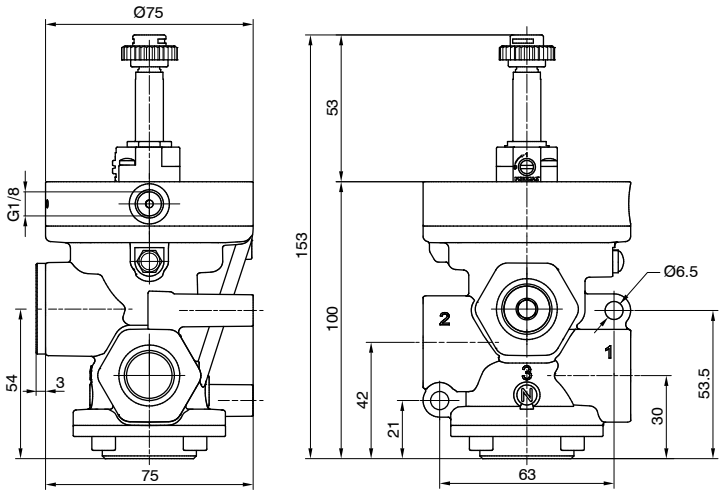
2/2

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



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

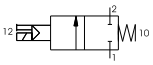




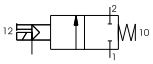
Weight 720,5 g

PG2A201(V)(F)(T)

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

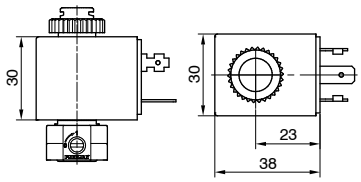


External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)

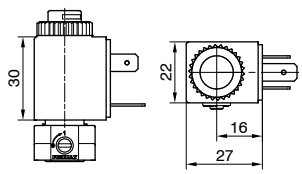


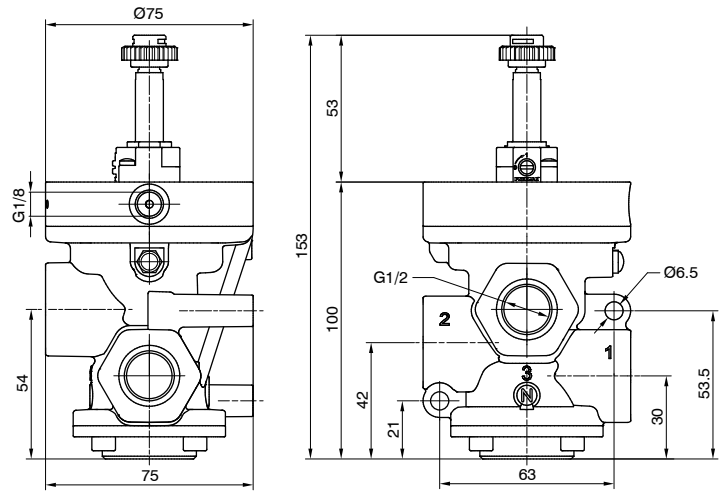
3/2

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



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

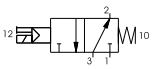




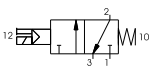
Weight 693,5 g

PG2A301(V)(F)(T)

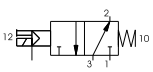
Self feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



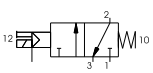
Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



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



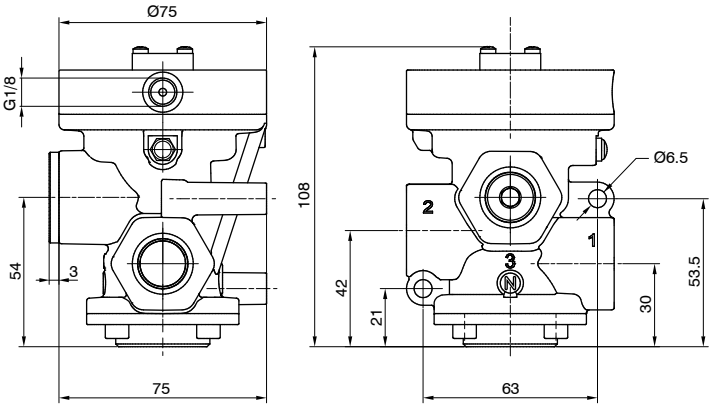
Pneumatic - Spring

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

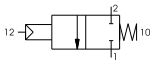
Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2
Temperature °C	-5 ... +70
Orifice size (mm)	15
Working ports size	G1/2"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5

	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



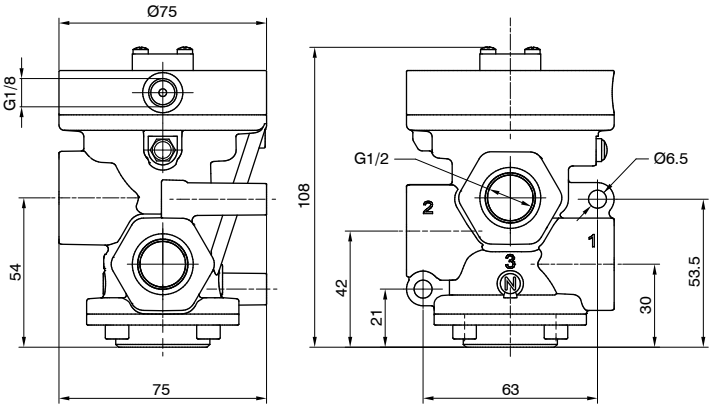
N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)



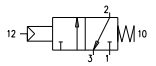
Weight 675,5 g

PG2V211E**F**00000

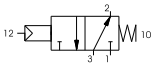
3/2



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

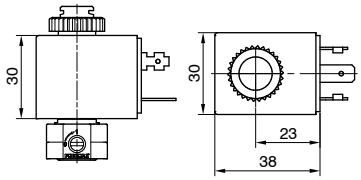
Coding: PG2V(N)01(V)(F)(T)

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)

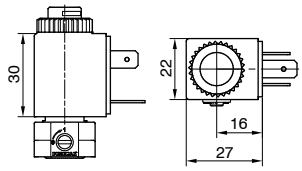
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(V)	VERSION
	A = Self feeding
	E = External feeding
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
(T)	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	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

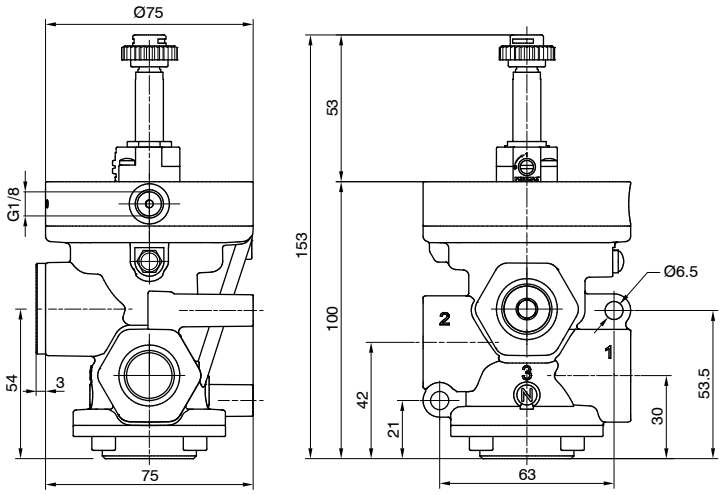
2/2

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



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

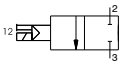




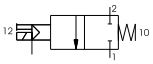
Weight 720,5 g

PG2V201(V)(F)(T)

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

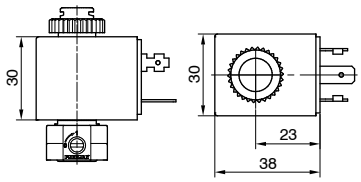


External feeding - N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)

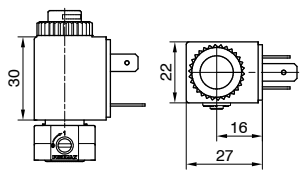


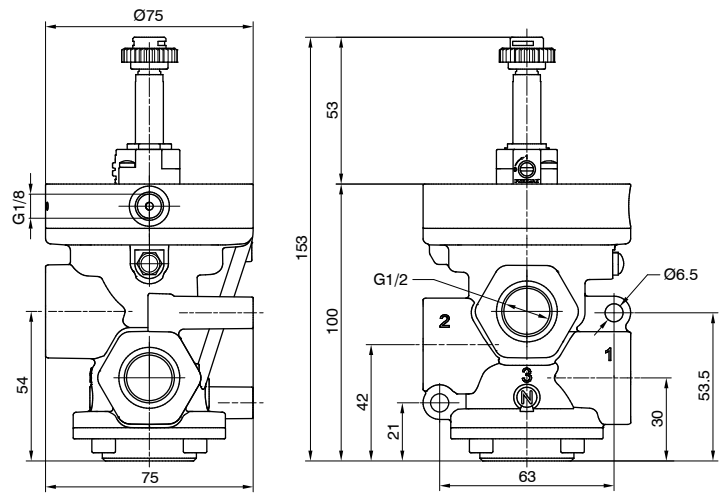
3/2

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



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

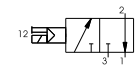




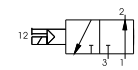
Weight 693,5 g

PG2V301(V)(F)(T)

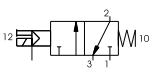
Self feeding - N.O.
Pump 1
Outlet port 2
Exhaust port 3



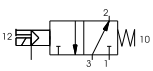
Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1



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



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



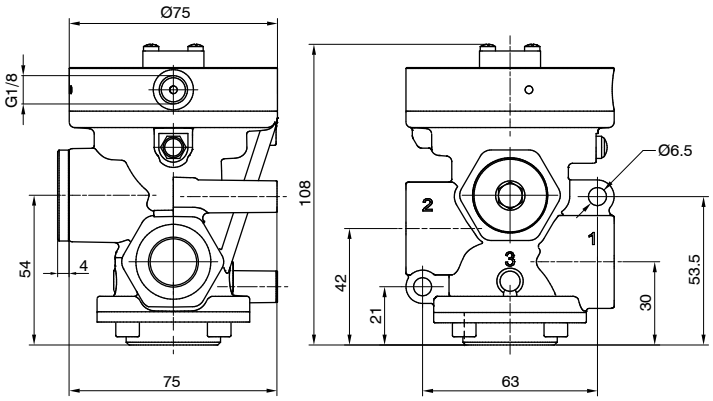
Pneumatic - Spring

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

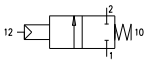
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	2,5
Temperature °C	-5 ... +70
Flow rate at 6 bar with Δp=1 (Nl/min)	6100
Orifice size (mm)	20
Working ports size	G3/4"
Pilot ports size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



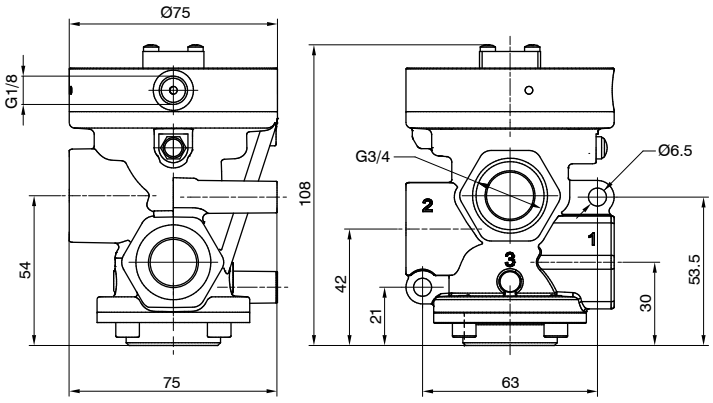
N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



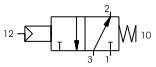
Weight 576,5 g

PG3A211E(F)00000

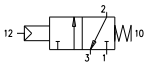
3/2



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

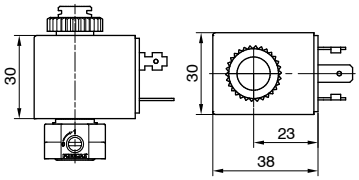
Coding: PG3A Ⓝ 01 Ⓥ Ⓕ Ⓣ

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)

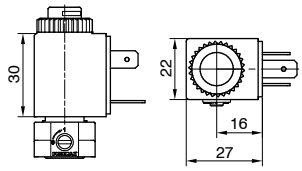
Ⓝ	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
Ⓥ	VERSION
	A = Self feeding
	E = External feeding
Ⓕ	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
Ⓣ	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 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

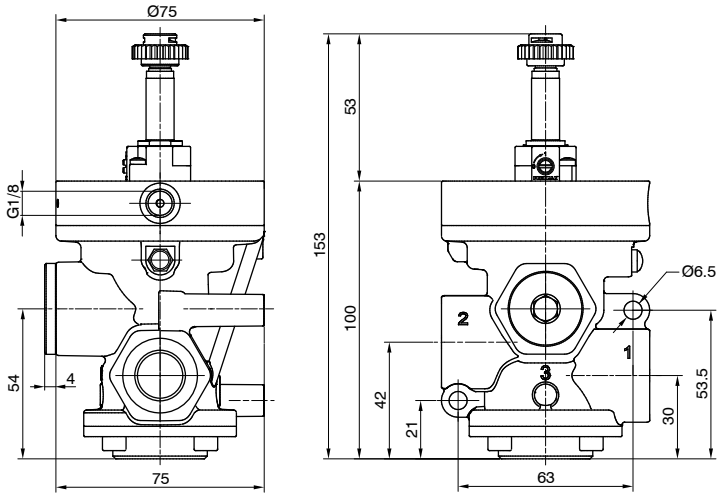
2/2

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



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

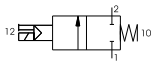




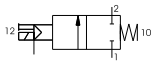
Weight 621,5 g

PG3A201ⓋⒻⓉ

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

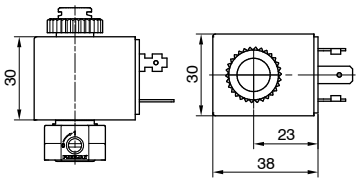


External feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)

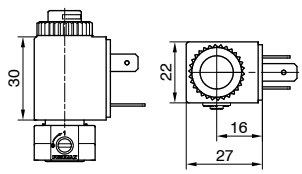


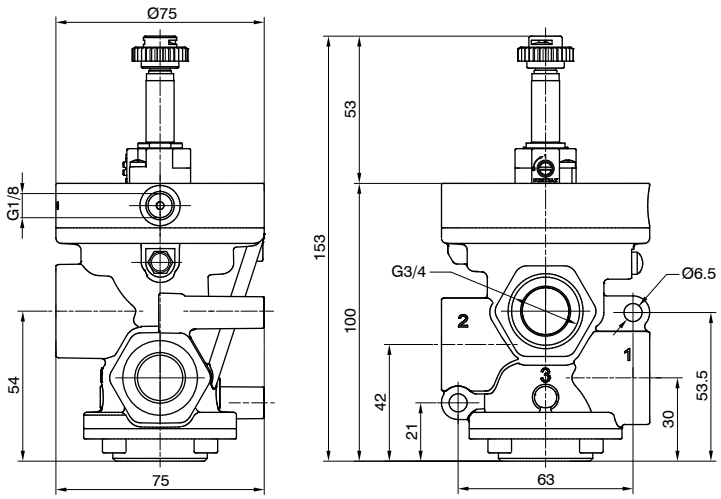
3/2

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



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

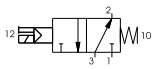




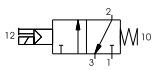
Weight 567,5 g

PG3A301ⓋⒻⓉ

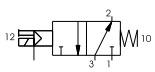
Self feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



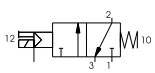
Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



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

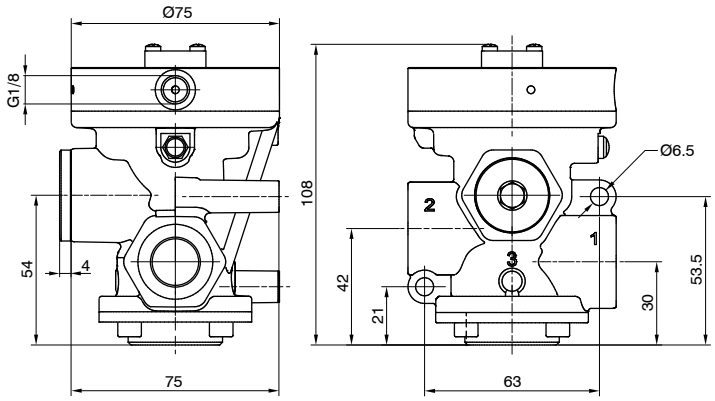
Pneumatic - Spring

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

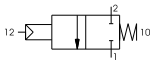
Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2
Temperature °C	-5 ... +70
Orifice size (mm)	20
Working ports size	G3/4"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5

(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



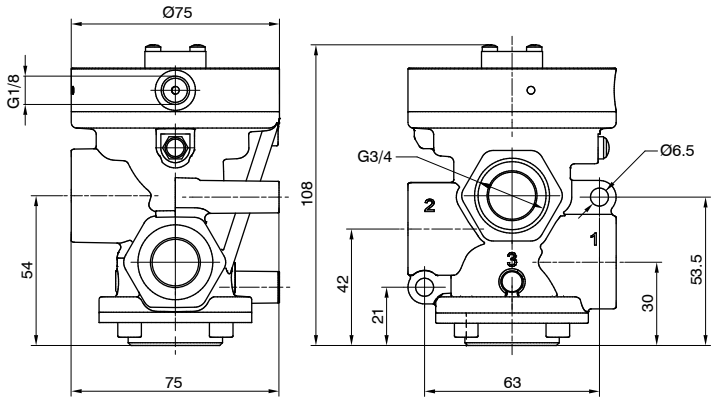
N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)



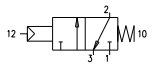
Weight 576,5 g

PG3V211E(F)00000

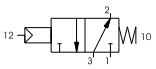
3/2



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

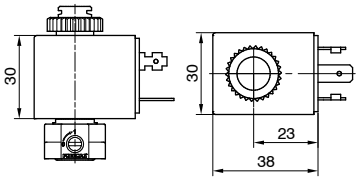
Coding: PG3V(N)01(V)(F)(T)

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)

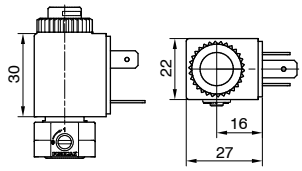
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(V)	VERSION
	A = Self feeding
	E = External feeding
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
(T)	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	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

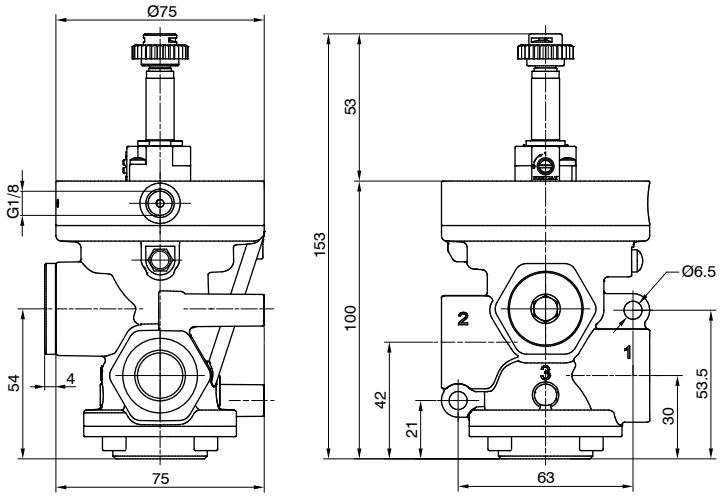
2/2

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

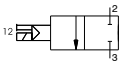


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

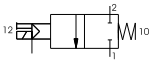




Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1 (closed)



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

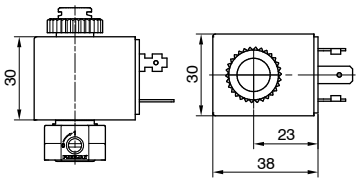


Weight 621,5 g

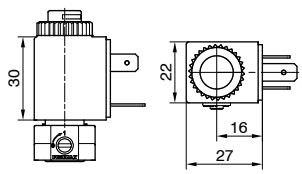
PG3V201(V)(F)(T)

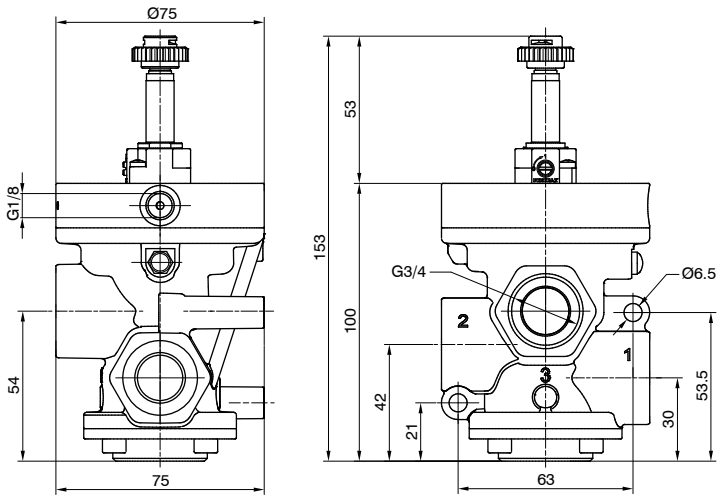
3/2

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

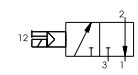


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

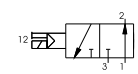




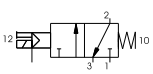
Self feeding - N.O.
Pump 1
Outlet port 2
Exhaust port 3



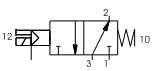
Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1



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)

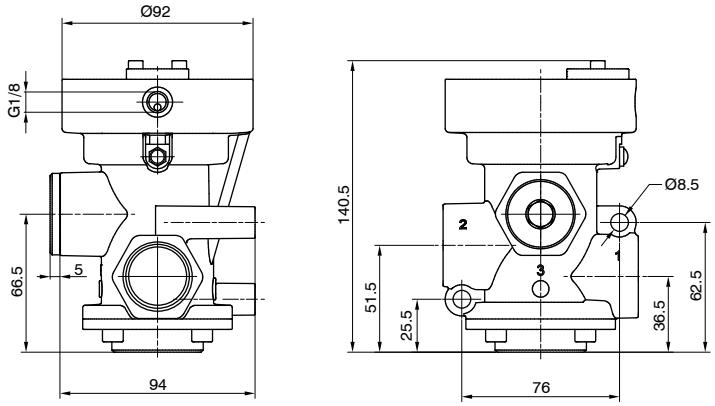
Pneumatic - Spring

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

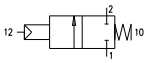
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	2,5
Temperature °C	-5 ... +70
Flow rate at 6 bar with Δp=1 (Nl/min)	12500
Orifice size (mm)	25
Working ports size	G1"
Pilot ports size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



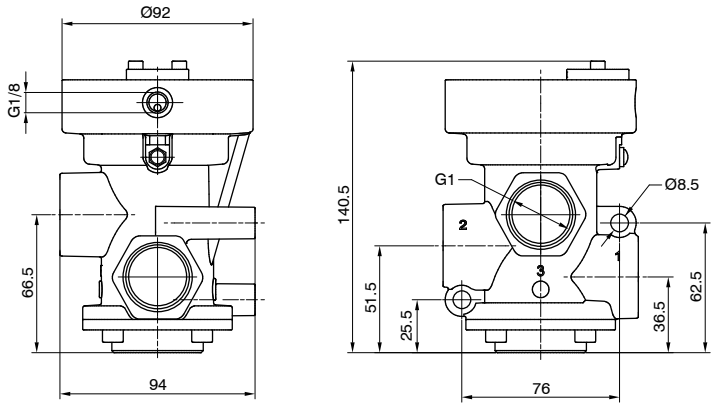
N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



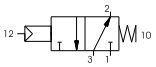
Weight 1231,5 g

PG1A211E(F)00000

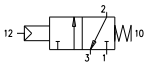
3/2



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

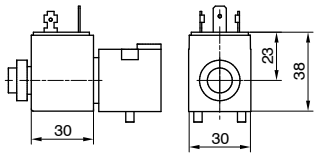
Coding: PG1A Ⓝ 01 ⓋⒻⓉ

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)

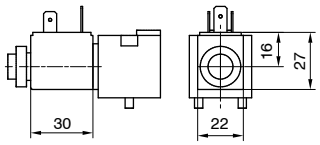
Ⓝ	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
Ⓥ	VERSION
	A = Self feeding
	E = External feeding
Ⓕ	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
Ⓣ	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	S80B0 = 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

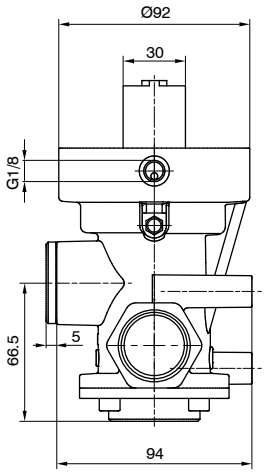
2/2

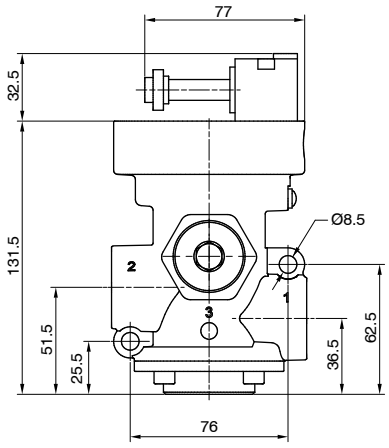
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



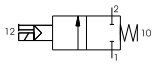
22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE



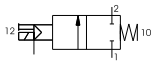




Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



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

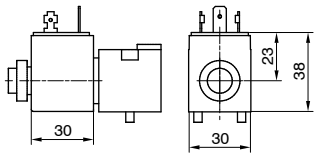


Weight 1290 g

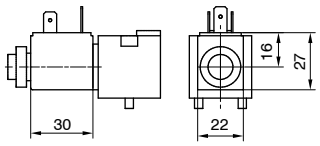
PG1A201ⓋⒻⓉ

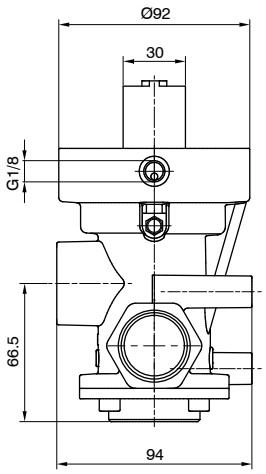
3/2

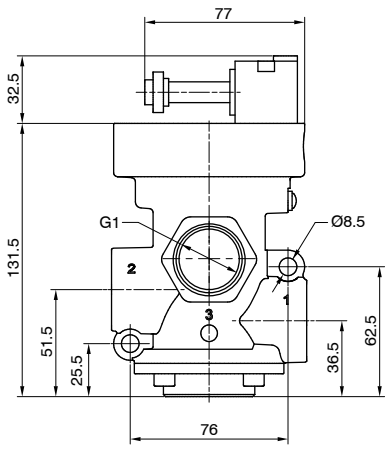
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



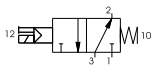
22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE



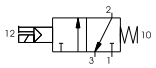




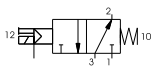
Self feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



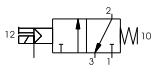
Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



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

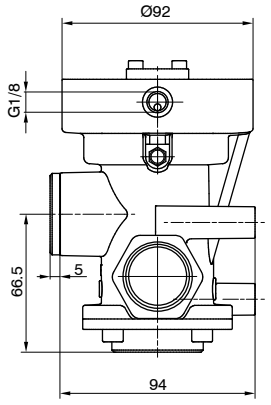
Pneumatic - Spring

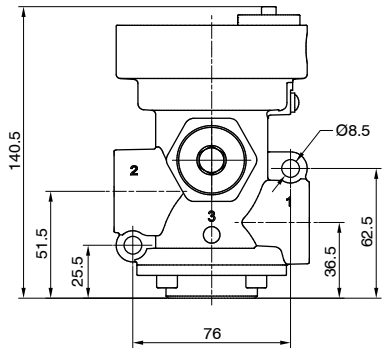
Coding: PG1V(N)11E(F)00000

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

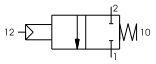
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed

2/2





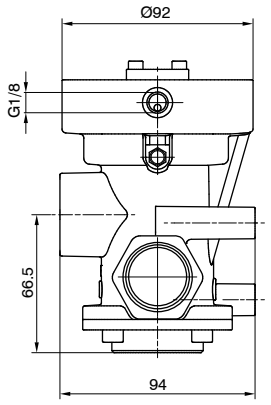
N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)

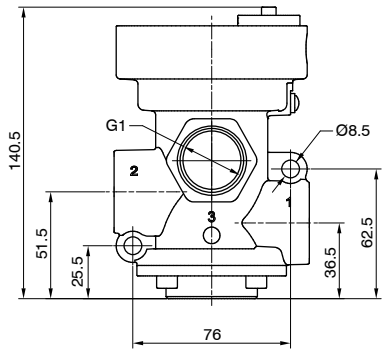


Weight 1231,5 g

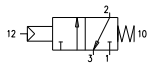
PG1V211E(F)00000

3/2

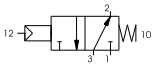




N.O.
Pump 3
Outlet port 2
Exhaust port 1



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



Weight 1139,5 g

PG1V311E(F)00000

AIR DISTRIBUTION

Solenoid-Spring

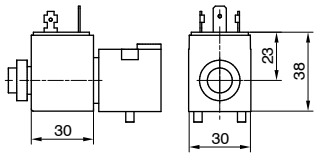
Coding: PG1V(N)01(V)(F)(T)

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)

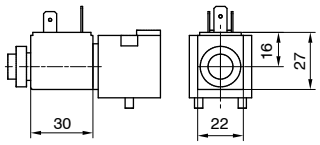
(N)	WAYS NUMBER
	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
(V)	VERSION
	A = Self feeding
	E = External feeding
(F)	FUNCTION
	A = Normally Open (only for 3 ways)
	C = Normally Closed
(T)	VOLTAGE (22 MM SOLENOID COIL)
	S40B0 = 12 VDC
	S50B0 = 24 VDC
	S60B0 = 24 V 50/60 Hz
	S70B0 = 110 V 50/60 Hz
	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

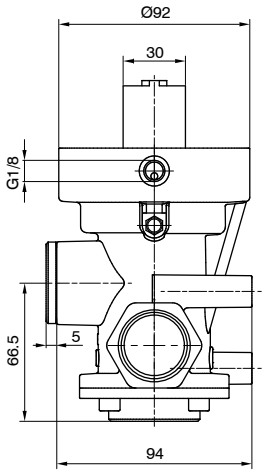
2/2

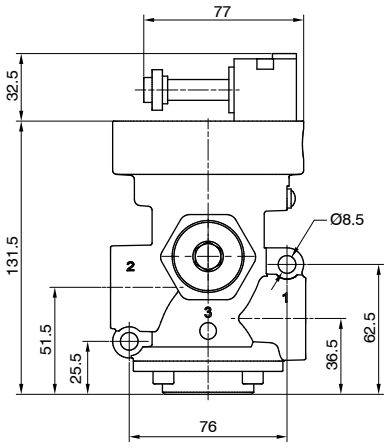
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



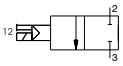
22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE



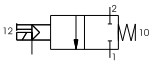




Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1 (closed)



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

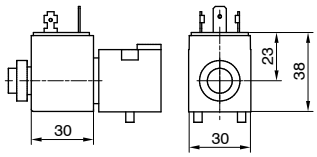


Weight 1290 g

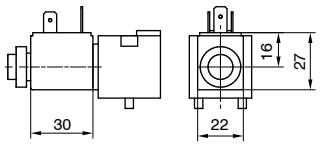
PG1V201(V)(F)(T)

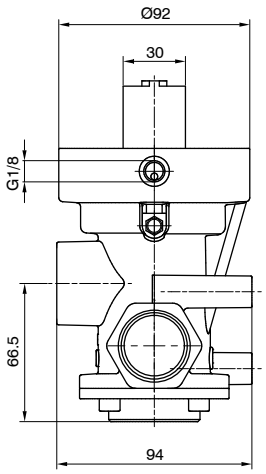
3/2

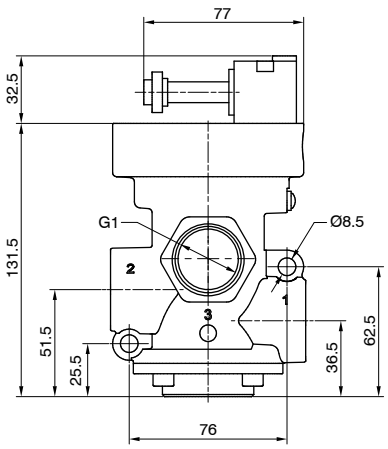
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



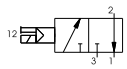
22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE



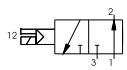




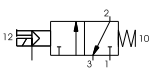
Self feeding - N.O.
Pump 1
Outlet port 2
Exhaust port 3



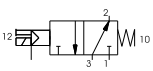
Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1



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

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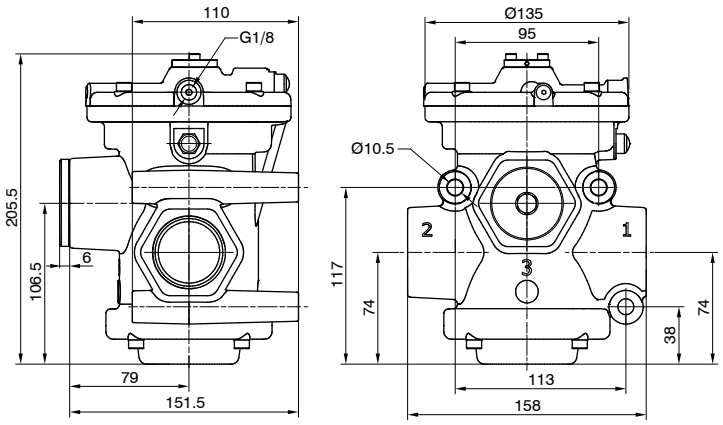
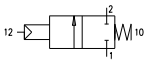


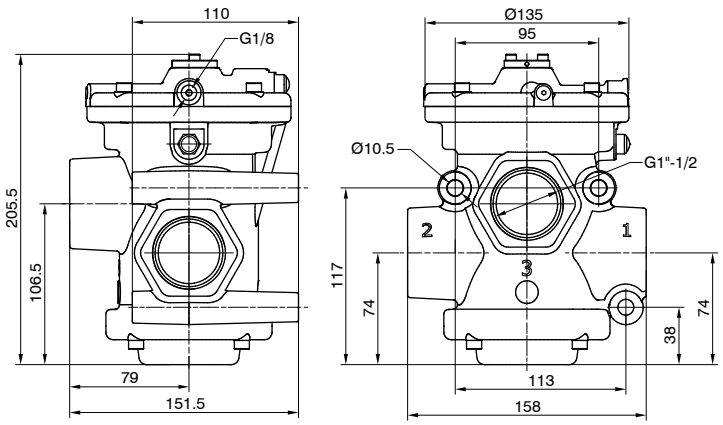
N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



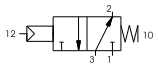
Weight 3417 g

PG6A211E(F)00000

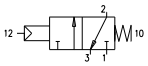
3/2



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

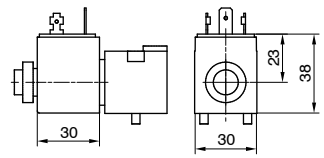
Coding: PG6A(N)01(V)(F)(T)

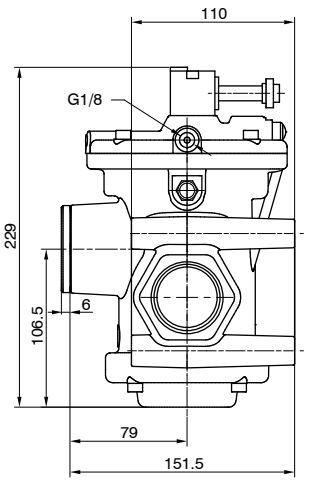
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Minimum piloting pressure (bar)	3
Temperature °C	-5 ... +50
Flow rate at 6 bar with Δp=1 (Nl/min)	33500
Orifice size (mm)	38
Working ports size	G1 1/2"
Pilot ports size	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

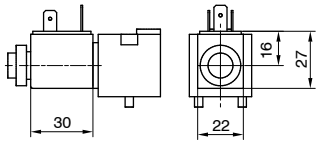
2/2

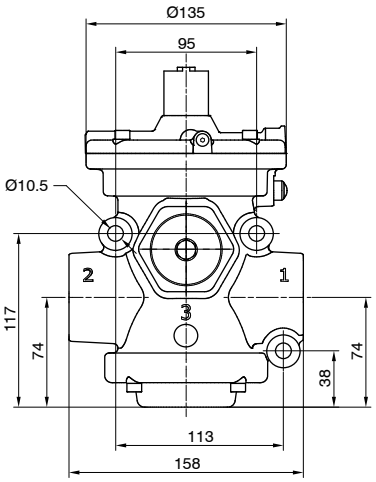
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



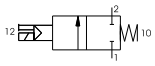


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

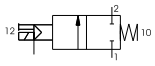




Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3 (closed)



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

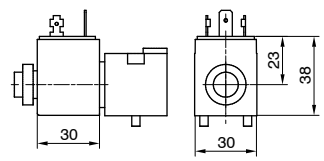


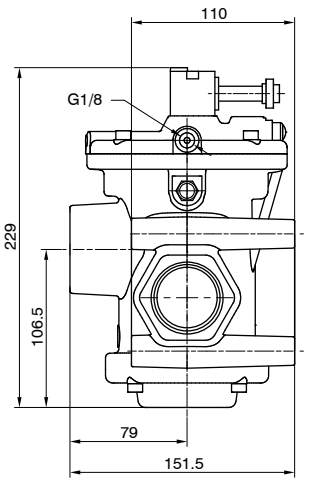
Weight 3491,5 g

PG6A201(V)(F)(T)

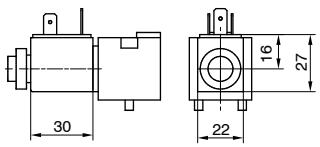
3/2

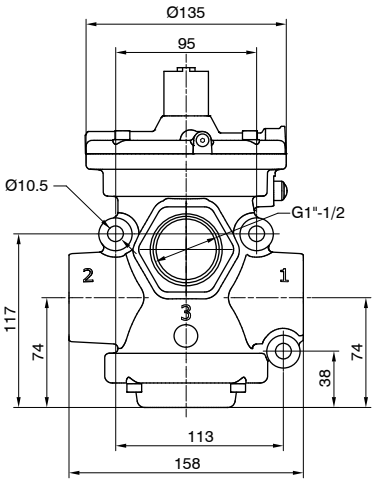
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



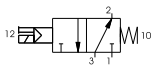


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

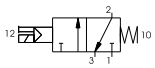




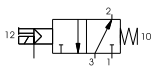
Self feeding - N.O.
Inlet port 3
Outlet port 2
Exhaust port 1



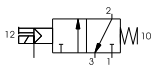
Self feeding - N.C.
Inlet port 1
Outlet port 2
Exhaust port 3



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)

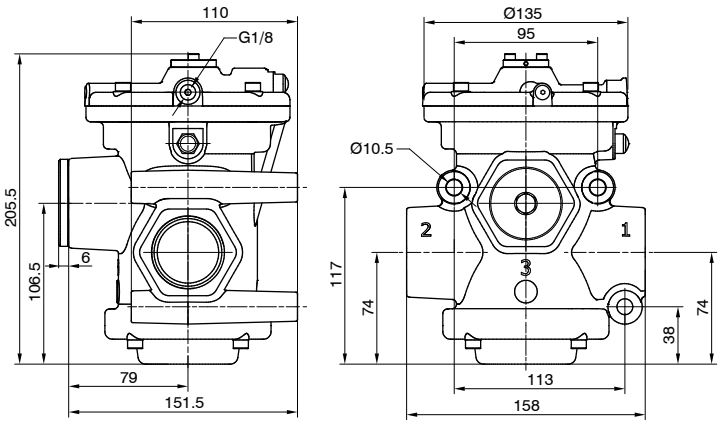
Pneumatic - Spring

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

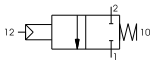
Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2
Temperature °C	-5 ... +70
Orifice size (mm)	38
Working ports size	G1 1/2"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5

(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



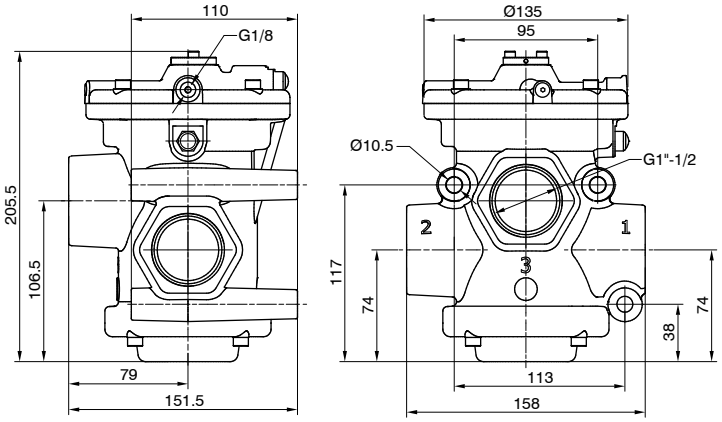
N.C.
Pump 1
Outlet port 2
Exhaust port 3 (closed)



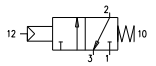
Weight 3417 g

PG6V211E(F)00000

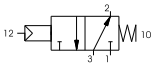
3/2



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

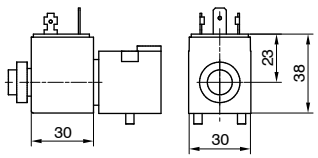
Coding: PG6V Ⓝ 01 ⓋⒻⓉ

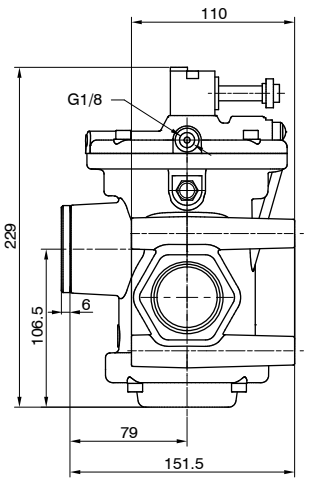
Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2 (external feeding version)
Temperature °C	-5 ... +50
Orifice size (mm)	38
Working ports size	G1 1/2"
Pilot ports size	G1/8"
Max. vacuum (mmHg)	758,5
Minimum operating vacuum (mmHg)	250 (self feeding version)

Ⓝ	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

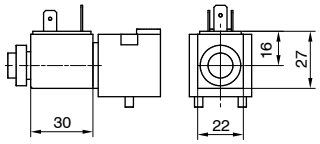
2/2

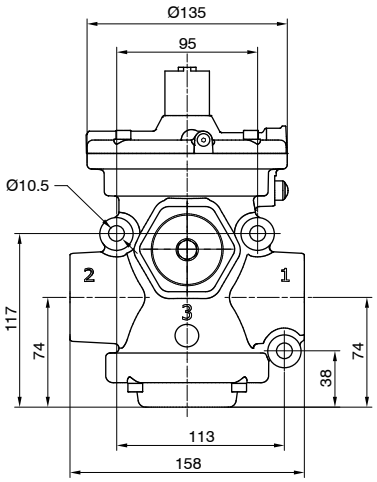
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



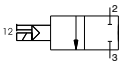


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

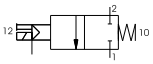




Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1 (closed)



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

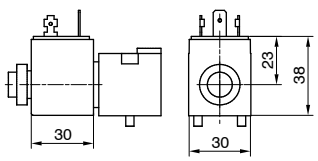


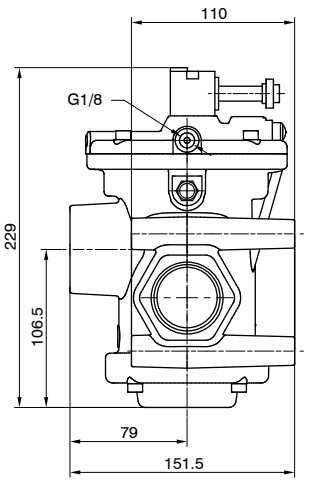
Weight 3491,5 g

PG6V201ⓋⒻⓉ

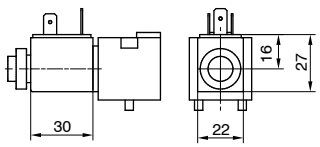
3/2

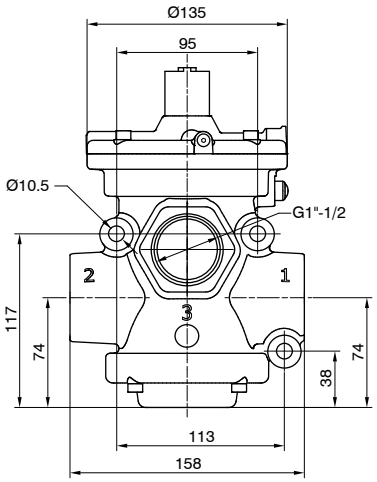
30 mm SOLENOID COIL
Connection: DIN 43650 "A" SHAPE



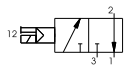


22 mm SOLENOID COIL
Connection: DIN 43650 INDUSTRIAL "B" SHAPE

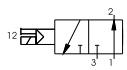




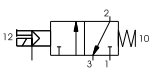
Self feeding - N.O.
Pump 1
Outlet port 2
Exhaust port 3



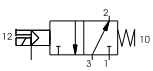
Self feeding - N.C.
Pump 3
Outlet port 2
Exhaust port 1



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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