



# 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		Alumi	nium	
Actuators rod		Ste	eel	
Bottom plates		Alumi	nium	
Seals and poppets		NB	BR	
Springs		Stainles	ss steel	
Pin guide		Stainles	ss 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.

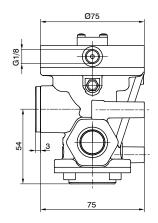


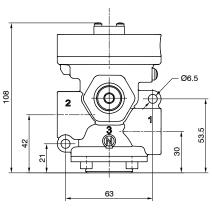
		WAYS NUMBER
tinuous	0	2 = 2 ways, 2 positions
		3 = 3 ways, 2 positions
		FUNCTION
	<b>9</b>	A = Normally Open (only for 3 ways)
		C = Normally Closed

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 (NI/min)	4800	
Orifice size (mm)	15	
Working ports size	G1/2"	
Pilot ports size	G1/8"	

2/2







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

12 -

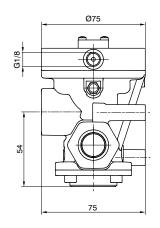
Coding: PG2A**\**11E**\**000000

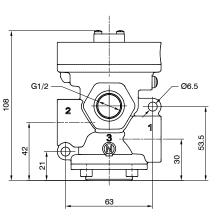
Weight 675 g

PG2A211E@00000

3/2







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

12 - N 10

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

12 - 10

Weight 648,5 g

PG2A311E**6**00000

## Coding: PG2A 01 01 WAYSNUMBER

2 = 2 ways, 2 positions 3 = 3 ways, 2 positions VERSION

A = Selffeeding  $\mathbf{E} = \mathsf{External} \, \mathsf{feeding}$ 

Operation	onal characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	П
Max working pressure (bar)	10	
Minimum piloting pressure (bar)	2,5	
Temperature °C	-5 +50	
Flow rate at 6 bar with $\Delta p=1$ (NI/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 (internal pilot version)	
Responce time according to ISO 12238, deactivation time (ms)	83 (internal pilot version)	

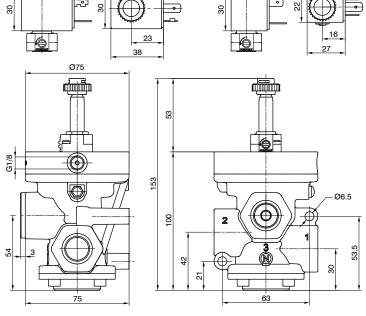
2/2

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

**FUNCTION**  $\mathbf{A} = \text{Normally Open (only for 3 ways)}$  $\mathbf{C} = \mathsf{Normally}\,\mathsf{Closed}$ VOLTAGE (22 MM SOLENOID COIL) **S40B0** = 12 VDC **S50B0** = 24 VDC O **S60B0** = 24 V 50/60 Hz **S70B0** = 110 V 50/60 Hz 22 mm SOLENOID COIL Connection: DIN 43650 INDUSTRIAL "B" SHAPE **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 O

0

V



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



S70C0 = 110 V 50/60 Hz

**S80C0** = 230 V 50/60 Hz 10000 = Without solenoid coil

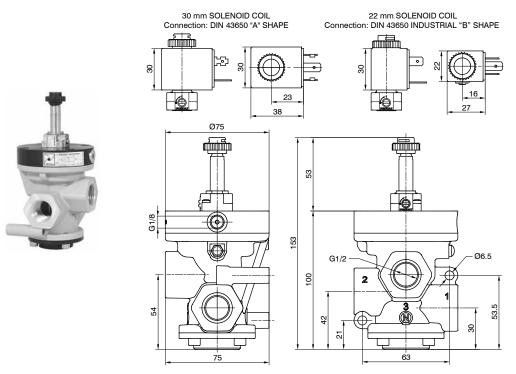
External pilot - N.C. Outlet port 2 Exhaust port 3 (closed)



Weight 720,5 g

PG2A201**Ø@** 

3/2



Internal pilot - N.O.

Inlet port 3 Outlet port 2 Outlet port 1



Internal pilot - N.C.

Inlet port 1 Outlet port 2 Exhaust port 3



External pilot - N.O.

Inlet port 3 Outlet port 2 Outlet port 1



External pilot - N.C. Inlet port 1 Outlet port 2

Exhaust port 3

Weight 693,5 g





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	

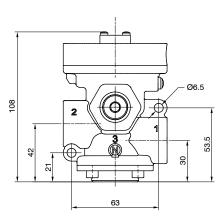
#### Coding: PG2V**\**11E**\**000000

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

2/2



075 075 075



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

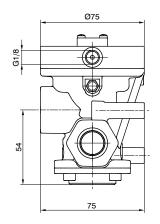
12 - 12 - 12 W

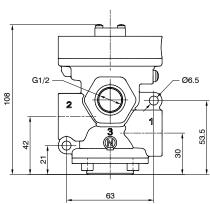
Weight 675,5 g

PG2V211E**6**00000

3/2







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

12 - V 10

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

12 - 12 - 10 10

Weight 648,5 g

PG2V311E**6**00000

22 mm SOLENOID COIL

Connection: DIN 43650 INDUSTRIAL "B" SHAPE

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Ø6.5



#### Solenoid-Spring

#### Coding: PG2V 001 000

Operational characteristics		
Fluid	Vacuum	
Minimum piloting pressure (bar)	2 (external pilot 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 (internal pilot version)	

30 mm SOLENOID COIL

Connection: DIN 43650 "A" SHAPE

75

WAYSNUMBER 2 = 2 ways, 2 positions 3 = 3 ways, 2 positions VERSION Ø A = Selffeeding  $\mathbf{E} = \mathbf{E} \mathbf{x} \mathbf{t} \mathbf{e} \mathbf{r} \mathbf{n} \mathbf{a} \mathbf{l}$ **FUNCTION**  $\mathbf{A} = \text{Normally Open (only for 3 ways)}$ 

 $\mathbf{C} = \mathsf{Normally}\,\mathsf{Closed}$ VOLTAGE (22 MM SOLENOID COIL) **S40B0** = 12 VDC

**S50B0** = 24 VDC O **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 O S70C0 = 110 V 50/60 Hz

**S80C0** = 230 V 50/60 Hz 10000 = Without solenoid coil

2/2



23 +₩ Ø75 aintiin A 53 53 9 2

Internal pilot - N.C.

Pump 3 Outlet port 2 Exhaust port 1 (closed)



External pilot - N.C.

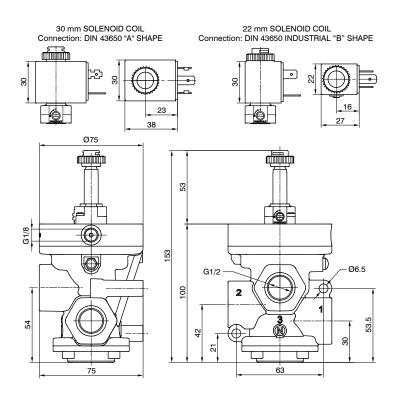
Outlet port 2 Exhaust port 3 (closed)

Weight 720,5 g

PG2V201**V90** 

3/2





Internal pilot - N.O. Pump 1

Outlet port 2 Exhaust port 3



Internal pilot - N.C.

Pump 3 Outlet port 2 Outlet port 1



External pilot - N.O.

Pump 3 Outlet port 2 Outlet port 1



External pilot - N.C.

Pump 1 Outlet port 2 Exhaust port 3



Weight 693,5 g

PG2V301**000** 



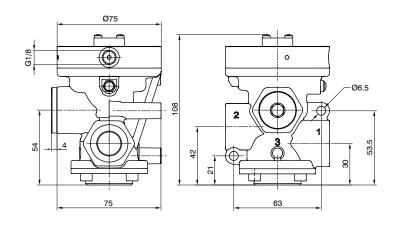
•		
Operational characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Max working pressure (bar)	10	
Minimum piloting pressure (bar)	2,5	
Temperature °C	-5 +70	
Flow rate at 6 bar with $\Delta p = 1$ (NI/min)	6100	
Orifice size (mm)	20	
Working ports size	G3/4"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

#### Coding: PG3A 11E 100000

WAYS NUMBER		
2 = 2 ways, 2 positions		
	3 = 3 ways, 2 positions	
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)

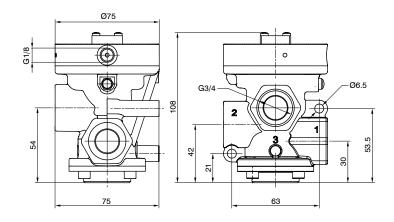
12 - 12

Weight 576,5 g

PG3A211E**G**00000

3/2





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

12 - M 10

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

12 - T

Weight 522,5 g

PG3A311E**6**00000



#### Coding: PG3A\001\footnote{100}

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 $\Delta p=1$ (NI/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 (internal pilot version)	
Responce time according to ISO 12238, deactivation time (ms)	81 (internal pilot version)	

23

38

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

WAYSNUMBER 0 2 = 2 ways, 2 positions 3 = 3 ways, 2 positions VERSION Ø A = Selffeeding  $\mathbf{E} = \mathsf{External} \, \mathsf{feeding}$ **FUNCTION** •  $\mathbf{A} = \text{Normally Open (only for 3 ways)}$ 

 $\mathbf{C} = \mathsf{Normally}\,\mathsf{Closed}$ VOLTAGE (22 MM SOLENOID COIL) **S40B0** = 12 VDC **S50B0** = 24 VDC

O **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

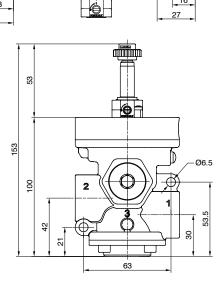
O S70C0 = 110 V 50/60 Hz **S80C0** = 230 V 50/60 Hz 10000 = Without solenoid coil

2/2



HOH Ø75 

4



22 mm SOLENOID COIL

Connection: DIN 43650 INDUSTRIAL "B" SHAPE

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16

Internal pilot - N.C.

Inlet port 1 Outlet port 2 Exhaust port 3 (closed)



External pilot - N.C.

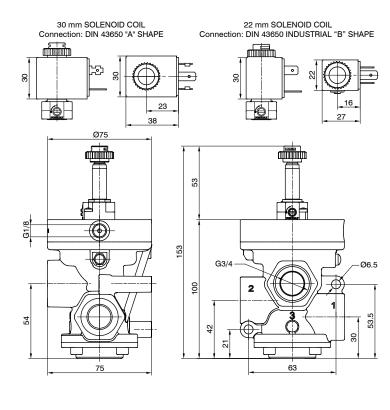
Outlet port 2 Exhaust port 3 (closed)

Weight 621,5 g

PG3A201**Ø@** 

3/2





Internal pilot - N.O. Inlet port 3 Outlet port 2



#### Internal pilot - N.C.

Inlet port 1 Outlet port 2 Exhaust port 3

Outlet port 1



#### External pilot - N.O.

Inlet port 3 Outlet port 2 Outlet port 1



External pilot - N.C.

Inlet port 1 Outlet port 2 Exhaust port 3



Weight 567,5 g

PG3A301**@@@** 



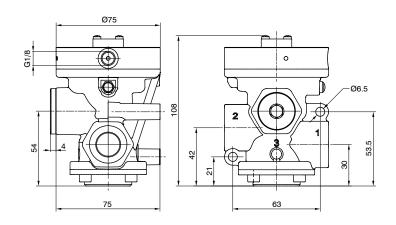
Operational characteristics		
Fluid	Vacuum	
Minimum piloting pressure (bar)	2	
Temperature °C	-5 +70	
Orifice size (mm)	20	
Working ports size	G3/4"	
Pilot ports size	G1/8"	
Max. vacuum (mmHg)	758,5	

### $\textbf{Coding:} \ PG3V \textcircled{\textbf{0}} 11 \\ \textbf{E} \textcircled{\textbf{0}} 00000$

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

2/2





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

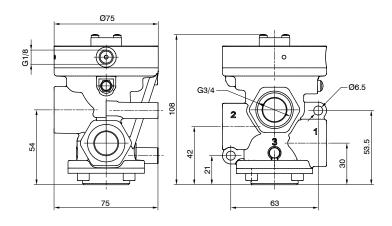
1

Weight 576,5 g

PG3V211E**6**00000

3/2





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

12 - M10

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

Weight 522,5 g

PG3V311E**⊕**00000

22 mm SOLENOID COIL

Connection: DIN 43650 INDUSTRIAL "B" SHAPE

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63

2

16

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53.5



#### Solenoid-Spring

#### Coding: PG3V 001 V D 0

Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2 (external pilot 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 (internal pilot version)

30 mm SOLENOID COIL

Connection: DIN 43650 "A" SHAPE

WAYS NUMBER
2 = 2 ways, 2 positions
3 = 3 ways, 2 positions
VERSION
4 = Selffeeding
E = External feeding
FUNCTION
A = Normally Open (only for 3 ways)

C = Normally Closed

VOLTAGE (22 MM SOLENOID COIL)

\$40B0 = 12 VDC \$50B0 = 24 VDC \$60B0 = 24 V 50/60 Hz

S7080 = 110 V 50/60 Hz

S8080 = 230 V 50/60 Hz

10000 = Without solenoid coil

VOLTAGE (30 MM SOLENOID COIL)

10000 = Without solenoid coil

VOLTAGE (30 MM SOLENOID COIL)

\$40C0 = 12 VDC

\$50C0 = 24 VDC

\$60C0 = 24 V 50/60 Hz \$70C0 = 110 V 50/60 Hz \$80C0 = 230 V 50/60 Hz

**S80C0** = 230 V 50/60 Hz **10000** = Without solenoid coil



23 38 0075

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



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

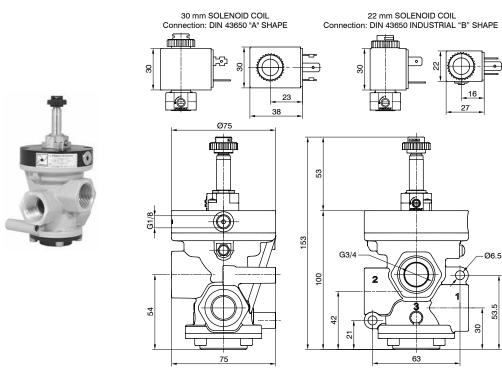


Weight 621,5 g

PG3V201**000** 

3/2

2/2



Internal pilot - N.O. Pump 1 Outlet port 2 Exhaust port 3



Internal pilot - N.C.

Pump 3 Outlet port 2 Outlet port 1



External pilot - N.O.

Pump 3 Outlet port 2 Outlet port 1



External pilot - N.C.
Pump 1

Outlet port 2 Exhaust port 3



Weight 567,5 g

PG3V301**Ø@** 



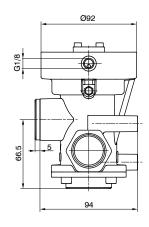
#### Coding: PG1A 11E 100000

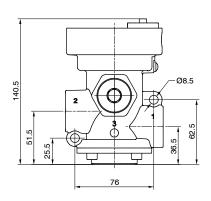
Operational characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Max working pressure (bar)	10	
Minimum piloting pressure (bar)	2,5	
Temperature °C	-5 +70	
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	12500	
Orifice size (mm)	25	
Working ports size	G1"	
Pilot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

	WAYS NUMBER
0	2 = 2 ways, 2 positions
	3 = 3 ways, 2 positions
	FUNCTION
•	A = Normally Open (only for 3 ways)
C = Normally Closed	
	•

2/2







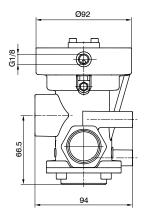
N.C. Inlet port 1 Outlet port 2 Exhaust port 3 (closed)

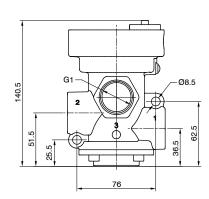
Weight 1231,5 g

PG1A211E**6**00000

3/2







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



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



Weight 1139,5 g

PG1A311E**@**00000



#### Coding: PG1A\001\00000

2 = 2 ways, 2 positions 3 = 3 ways, 2 positions VERSION

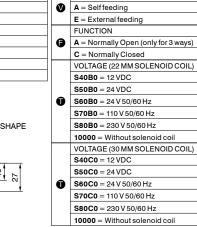
WAYSNUMBER

Operational characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	11
Max working pressure (bar)	10	1
Minimum piloting pressure (bar)	2,5	][
Temperature °C	-5 +50	11
Flow rate at 6 bar with Δp=1 (NI/min)	12500	][
Orifice size (mm)	25	][
Working ports size	G1/2"	11
Pilot ports size	G1/8"	11
Responce time according to ISO 12238, activation time (ms)	27 (internal pilot version)	][
Responce time according to ISO 12238, deactivation time (ms)	88 (internal pilot version)	]

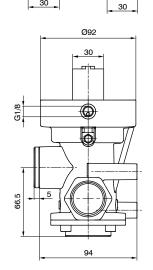
30 mm SOLENOID COIL

Connection: DIN 43650 "A" SHAPE

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







30

Ø8.5 131.5 62.5 51.5 25.5 76

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



External pilot - N.C. Outlet port 2 Exhaust port 3 (closed)



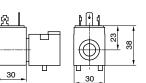
Weight 1290 g

PG1A201**000** 

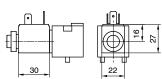
3/2

2/2

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



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













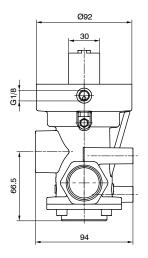


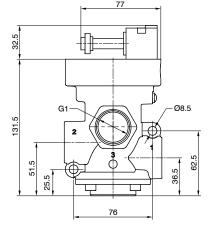


External pilot - N.C. Inlet port 1 Outlet port 2 Exhaust port 3









Weight 1198 g

PG1A301**Ø₽** 



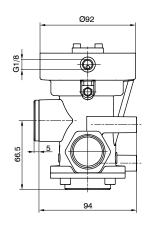
	WAYS
0	<b>2</b> = 2 v
	<b>3</b> = 3 v
	FUNC.
	A - Na

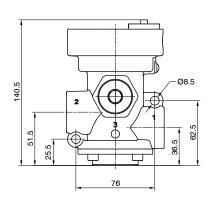
Coding: PG1V**\**11E**\**00000

Operational characteristics			WAYS NUMBER
Fluid	Vacuum	0	2 = 2 ways, 2 positions
Minimum piloting pressure (bar)	2		3 = 3 ways, 2 positions
Temperature °C	-5 +70		FUNCTION
Orifice size (mm)	25	•	A = Normally Open (only for 3 ways)
Working ports size	G1"		C = Normally Closed
Pilot ports size	G1/8"		
Max. vacuum (mmHg)	758,5		

2/2







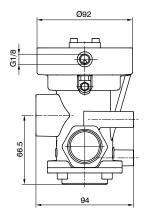
N.C. Pump 1 Outlet port 2 Exhaust port 3 (closed)

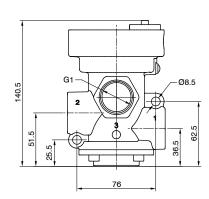
Weight 1231,5 g

PG1V211E**@**00000

3/2







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



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



Weight 1139,5 g

PG1V311E**6**00000



#### Coding: PG1V 1001 1000

Operational characteristics	
Fluid	Vacuum
Minimum piloting pressure (bar)	2 (external pilot 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 (internal pilot version)

WAYS NUMBER 2 = 2 ways, 2 positions 3 = 3 ways, 2 positions VERSION V A = Selffeeding  $\mathbf{E} = \mathsf{External} \, \mathsf{feeding}$ **FUNCTION** 

 $\mathbf{A} = \text{Normally Open (only for 3 ways)}$  $\mathbf{C} = \mathsf{Normally}\,\mathsf{Closed}$ VOLTAGE (22 MM SOLENOID COIL)

**S40B0** = 12 VDC **S50B0** = 24 VDC O **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 O S70C0 = 110 V 50/60 Hz **S80C0** = 230 V 50/60 Hz 10000 = Without solenoid coil





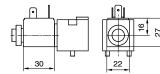
30 mm SOLENOID COIL Connection: DIN 43650 "A" SHAPE

> Ø92 30

30

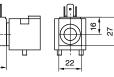
66.5

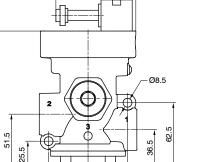




22 mm SOLENOID COIL

Connection: DIN 43650 INDUSTRIAL "B" SHAPE





Internal pilot - N.C.

Pump 3 Outlet port 2 Exhaust port 1 (closed)



External pilot - N.C.

Outlet port 2 Exhaust port 3 (closed)



Weight 1290 g

PG1V201**Ø@** 

3/2

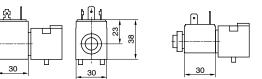
#### 30 mm SOLENOID COIL Connection: DIN 43650 "A" SHAPE

94



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

76



131.5













#### External pilot - N.O. Pump 3

Outlet port 2 Outlet port 1



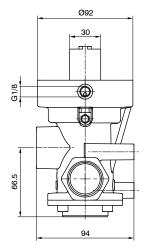
External pilot - N.C.

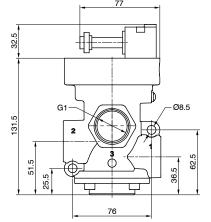


Exhaust port 3









Weight 1198 g

PG1V301**Ø@** 



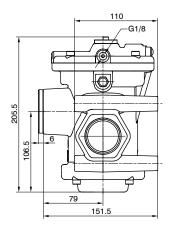
Operational characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Max working pressure (bar)	10	
Minimum piloting pressure (bar)	3	
Temperature °C	-5 + <b>7</b> 0	
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	33500	
Orifice size (mm)	38	
Working ports size	G1 1/2"	
Pilot porte size	G1/8"	

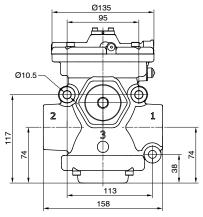
### Coding: PG6A**\**11E**\**000000

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

2/2







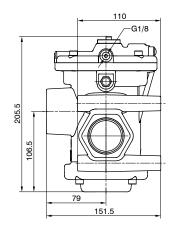
N.C. Inlet port 1 Outlet port 2 Exhaust port 3 (closed)

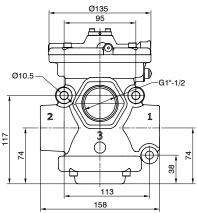
Weight 3417 g

PG6A211E**6**00000

3/2







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

12 - M 10

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

12 - 10 10

Weight 3168 g

PG6A311E**6**00000



#### Coding: PG6A001000

2 = 2 ways, 2 positions

WAYS NUMBER

0

Operation	onal 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 (NI/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 (internal pilot version)
Responce time according to ISO 12238, deactivation time (ms)	78 (internal pilot version)

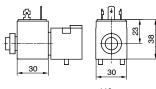
3 = 3 ways, 2 positions VERSION V A = Selffeeding  $\mathbf{E} = \mathsf{External} \, \mathsf{feeding}$ **FUNCTION**  $\mathbf{A} = \text{Normally Open (only for 3 ways)}$  $\mathbf{C} = \mathsf{Normally}\,\mathsf{Closed}$ VOLTAGE (22 MM SOLENOID COIL) **S40B0** = 12 VDC **S50B0** = 24 VDC O **S60B0** = 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 O

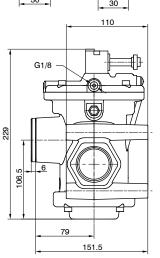
S70C0 = 110 V 50/60 Hz **S80C0** = 230 V 50/60 Hz

10000 = Without solenoid coil

2/2

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



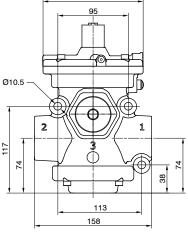


117

30 Ø135

22 mm SOLENOID COIL

Connection: DIN 43650 INDUSTRIAL "B" SHAPE



Internal pilot - N.C.

Inlet port 1 Outlet port 2 Exhaust port 3 (closed)



External pilot - N.C. Outlet port 2

Exhaust port 3 (closed)

Weight 3491,5 g

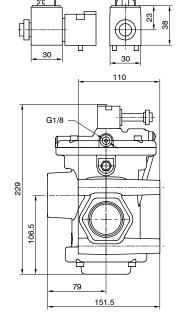
PG6A201**Ø@** 

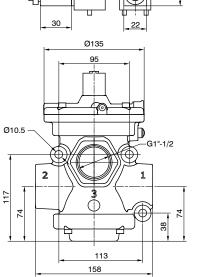
3/2

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

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







Internal pilot - N.O. Inlet port 3 Outlet port 2 Outlet port 1



#### Internal pilot - N.C.

Inlet port 1 Outlet port 2 Exhaust port 3



#### External pilot - N.O.

Inlet port 3 Outlet port 2 Outlet port 1



External pilot - N.C.

Inlet port 1 Outlet port 2 Exhaust port 3



Weight 3242,5 g

PG6A301**000** 



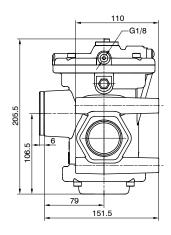
Operational characteristics		
Fluid	Vacuum	
Minimum piloting pressure (bar)	2	
Temperature °C	-5 +70	
Orifice size (mm)	38	
Working ports size	G1 1/2"	
Pilot ports size	G1/8"	
Max. vacuum (mmHg)	758,5	

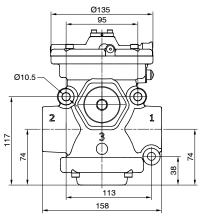
### $\textbf{Coding:} \ PG6V \textcircled{\textbf{0}} 11 \\ \textbf{E} \textcircled{\textbf{0}} 00000$

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

2/2







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

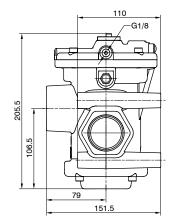
12 - 1

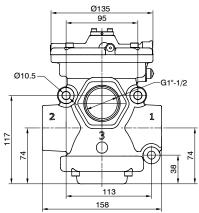
Weight 3417 g

PG6V211E**6**00000

3/2







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

12 - M10

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



Weight 3168 g

PG6V311E**⊕**00000



## Coding: PG6V001VD0

Ø10.5

117

74

2

Operational characteristics		
Fluid	Vacuum	٦١
Minimum piloting pressure (bar)	2 (external pilot version)	٦L
Temperature °C	-5 +50	٦٢
Orifice size (mm)	38	71
Working ports size	G1 1/2"	٦١
Pilot ports size	G1/8"	7
Max. vacuum (mmHg)	758,5	٦١
Minimum operating vacuum (mmHg)	250 (internal pilot version)	٦١

WAYS NUMBER 0 2 = 2 ways, 2 positions 3 = 3 ways, 2 positions VERSION V  $\mathbf{A} = \mathbf{Selffeeding}$  $\mathbf{E} = \mathsf{External} \, \mathsf{feeding}$ **FUNCTION** 

 $\mathbf{A} = \text{Normally Open (only for 3 ways)}$  $\mathbf{C} = \mathsf{Normally}\,\mathsf{Closed}$ VOLTAGE (22 MM SOLENOID COIL) **S40B0** = 12 VDC

**S50B0** = 24 VDC O **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 O S70C0 = 110 V 50/60 Hz

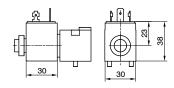
**S80C0** = 230 V 50/60 Hz 10000 = Without solenoid coil

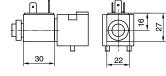
30 mm SOLENOID COIL Connection: DIN 43650 "A" SHAPE

G1/8

229

106.5



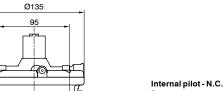


22 mm SOLENOID COIL

Connection: DIN 43650 INDUSTRIAL "B" SHAPE







6

74 38





External pilot - N.C. Outlet port 2 Exhaust port 3 (closed)





Weight 3491,5 g PG6V201**V90** 

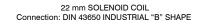
3/2

2/2

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

79

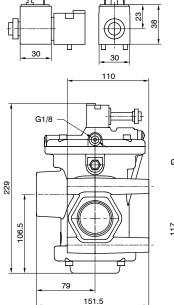
151.5

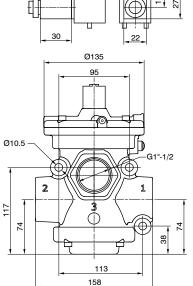


113

158







Internal pilot - N.O. Pump 1 Outlet port 2 Exhaust port 3



Internal pilot - N.C.

Pump 3 Outlet port 2 Outlet port 1



External pilot - N.O. Pump 3 Outlet port 2

Outlet port 1



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



Weight 3242,5 g

PG6V301**000** 



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