3/2 POPPET VALVES AIR /VACUUM (1/8"-6/4")
Series 700

General

Our main concern in constructing these poppet type valves and solenoid valves is reliability.
Poppet type valves, as opposed to spool type valves, offer superior resistance to adverse operating conditions, such as dust particles in the compressed air and insufficient lubrication, and provide the only alternative for use in "at risk" systems.
One of the qualities of this type of valves is its change-over speed, which, because of the quick poppet travel, is always at least twice that of the spool type. These valves are not bistable and do not operate with closed centers. Therefore, the pilot signal must remain on as long as the valve is being commutated. The air flow inlet/outlet and exhaust ports are mandatory and do not allow normally closed (N.C.) or normally open (N.O.) 3 way valve as do the spool type valves. It is possible to have a 2 way valve without exhaust by plugging port 3 of a 3 way valve.
Ordering codes are referred to solenoid valves with M2 assembled (see Series 300, section 1). (Coils are not included and have to be ordered separately).

Coils c UL us homologated are available (see 300 Series)

Construction characteristics

	STD G 1/8" ÷ G 1/4"
Body	Anodized aluminium
Actuators	Anodized aluminium
Spool	Hardened nickel plated steel
Seals	Polyrethane + Nitrile
Spacers	Brass
Springs	Stainless steel AISI 302

Use and maintenance

These valves are a mean life of 10 to 15 millions of cycles depending on application. Proper lubrication with specified oil reduces dramatically the wear of the seals as well as a good filtration ensures long and trouble free operating. Check that the operating conditions are according to the suggested pressure, temperature an so on. The exhaust ports of the distributor have to be protected in a dusty and dirty environment. A spare parts kit including the spool complete of with seals and actuators is available for overhauling the valve. This simple operation does not require a skilled worker. Although particular care is needed for assembling the valve.

ATTENTION: use hydraulic oil class H for lubrication such as MAGNA GC 32 (Castrol).

(2019/12)

Pneumatic - Spring

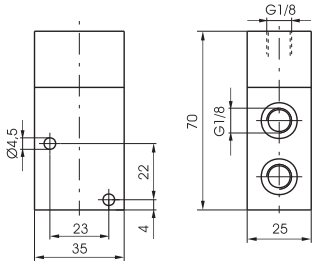
3/2

Ordering code

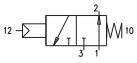
778.32.11.Ⓕ

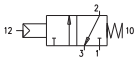
Ⓕ	FUNCTION
	1C = normally closed
	1A = normally open

STD



Weight gr. 170
Minimum working pressure 2,5 bar





Operational characteristic	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with Δp=1	Orifice size	Working port size	Pilot port size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +70°C	840 Nl/min	mm 6	G 1/8"	G 1/8"

Solenoid - Spring

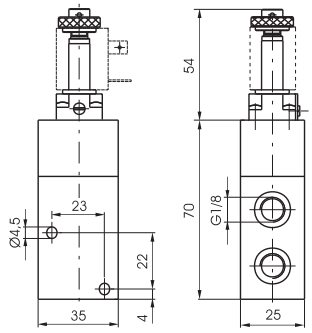
3/2

Ordering code

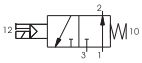
778.32.0.Ⓕ.M2

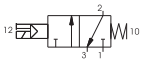
Ⓕ	FUNCTION
	1C = normally closed
	1A = normally open

STD
STD



Weight gr. 240
Minimium working pressure 3 bar





Operational characteristic	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with Δp=1	Orifice size	Working port size	Pilot port size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +50°C	840 Nl/min	mm 6	G 1/8"	G 1/8"

Pneumatic - Spring

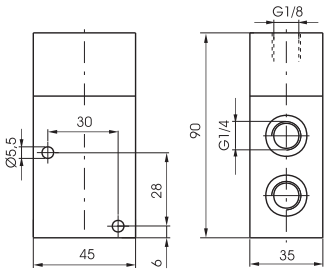
3/2

Ordering code

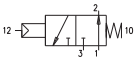
774.32.11.Ⓕ

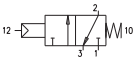
Ⓕ	FUNCTION
	1C = normally closed
	1A = normally open

STD



Weight gr. 395
Minimum working pressure 2,5 bar





Operational characteristic	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with Δp=1	Orifice size	Working port size	Pilot port size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +70°C	1560 Nl/min	mm 8	G 1/4"	G 1/8"

Technical modifications keep in reserve !

(2019/12)

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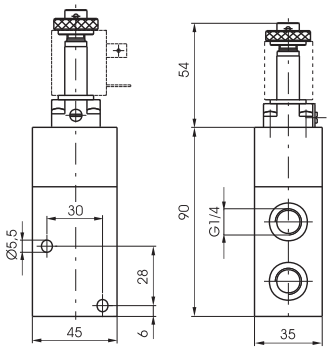
Solenoid - Spring

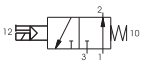
Ordering code

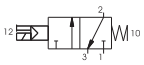
774.32.0.Ⓕ.M2

Ⓕ	FUNCTION	
	1C = normally closed	STD
	1A = normally open	STD



Weight gr. 460
Minimium working pressure 3 bar





Operational characteristic	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with Δp=1	Orifice size	Working port size	Pilot port size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +50°C	1560 Nl/min	mm 8	G 1/4"	G 1/8"

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

	STD	STD STD	STD	
	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 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.
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, inlet flow rate must be equal or higher that the required consumption flow rate, otherwise is better 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

(2019/12)

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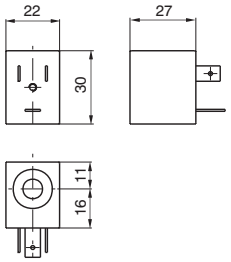
		Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
G3/8" 	air		Pneumatic - Spring N.O.	779.32.11.1A	2,5-10 bar	1800Nl/min	mm 10
			Pneumatic - Spring N.C. STD	779.32.11.1C			
			Solenoid - Spring, internal pilot N.C. STD	779.32.0.1AC.M2	3-10 bar		
			Solenoid - Spring external pilot N.C.	779.32.0.1C.M2	2,5-10 bar		
			Solenoid - Spring, internal pilot N.O. STD	779.32.0.1AA.M2	3-10 bar		
			Solenoid - Spring external pilot N.O.	779.32.0.1A.M2	2,5-10 bar		
	vacuum		Pneumatic - Spring N.O.	779/V.32.11.1A	min.2 bar	/	
			Pneumatic - Spring N.C. STD	779/V.32.11.1C			
			Solenoid - Spring, internal pilot N.O.	779/V.32.0.1AA.M2/V	min.2 bar		
			Solenoid - Spring, internal pilot N.C. STD	779/V.32.0.1AC.M2/V			
			Solenoid - Spring, external pilot N.O.	779/V.32.0.1A.M2	min.2 bar		
			Solenoid - Spring, external pilot N.C. STD	779/V.32.0.1C.M2			
G 1/2" 	air		Pneumatic - Spring N.C. STD	772.32.11.1C	2,5-10 bar	/	mm 15
			Solenoid - Spring, internal pilot N.C. STD	772.32.0.1AC.M2	3-10 bar		
			Solenoid - Spring, external pilot N.C.	772.32.0.1C.M2	2,5-10 bar		
	vacuum		Pneumatic - Spring N.O.	772/V.32.11.1A	min.2 bar		
			Pneumatic - Spring N.C. STD	772/V.32.11.1C			
			Solenoid - Spring, internal pilot N.O.	772/V.32.0.1AA.M2/V	/		
			Solenoid - Spring, internal pilot N.C. STD	772/V.32.0.1AC.M2/V			
			Solenoid - Spring, external pilot N.O. STD	772/V.32.0.1A.M2	min.2 bar		
			Solenoid - Spring, external pilot N.C. STD	772/V.32.0.1C.M2			

		Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
G3/4" 	air		Pneumatic - Spring N.C. STD	773.32.11.1C	2,5-10 bar	6100Nl/min	mm 20
			Solenoid - Spring, internal pilot N.C. STD	773.32.0.1AC.M2	3-10 bar		
			Solenoid - Spring, external pilot N.C.	773.32.0.1C.M2	2,5-10 bar		
	vacuum		Pneumatic - Spring N.O.	773/V.32.11.1A	min.2 bar	/	
			Pneumatic - Spring N.C. STD	773/V.32.11.1C			
			Solenoid - Spring, internal pilot N.O.	773/V.32.0.1AA.M2/V	/		
			Solenoid - Spring, internal pilot N.C. STD	773/V.32.0.1AC.M2/V			
			Solenoid - Spring, external pilot N.O. STD	773/V.32.0.1A.M2	min.2 bar		
			Solenoid - Spring, external pilot N.C. STD	773/V.32.0.1C.M2			
G1" 	air		Pneumatic - Spring N.C. STD	771.32.11.1C	2,5-10 bar	12000Nl/min	mm 25
			Solenoid - Spring, internal pilot N.C. STD	771.32.0.1AC.M2	3-10 bar		
			Solenoid - Spring, external pilot N.C.	771.32.0.1C.M2	2,5-10 bar		
	vacuum		Pneumatic - Spring N.O.	771/V.32.11.1A	min 2 bar	/	
			Pneumatic - Spring N.C. STD	771/V.32.11.1C			
			Solenoid - Spring, internal pilot N.O.	771/V.32.0.1AA.M2/V	/		
			Solenoid - Spring, internal pilot N.C.	771/V.32.0.1AC.M2/V			
			Solenoid - Spring, external pilot N.O. STD	771/V.32.0.1A.M2	min 2 bar		
			Solenoid - Spring, external pilot N.C. STD	771/V.32.0.1.C.M2			
G 1½" 	air		Pneumatic - Spring N.C.	776.22.11C	2,5-10 bar	33500Nl/min	mm 38
			Solenoid - Spring, internal pilot N.C.	776.22.0.1AC.S*	3-10 bar		
			Solenoid - Spring, external pilot N.C.	776.22.0.1C.S*	2,5-10 bar		
			Pneumatic - Spring N.C.	776.32.11.1C	2,5-10 bar		
			Solenoid - Spring, internal pilot N.C.	776.32.0.1AC.S*	3-10 bar		
			Solenoid - Spring, external pilot N.C.	776.32.0.1C.S*	2,5-10 bar		
	vacuum		Pneumatic - Spring N.C.	776/V.22.11.1C	min 2 bar	/	
			Solenoid - Spring, external pilot N.C.	776/V.22.0.1C.S*			
			Pneumatic - Spring N.O.	776/V.32.11.1A			
			Pneumatic - Spring N.C.	776/V.32.11.1C			
			Solenoid - Spring, external pilot N.O.	776/V.32.0.1A.S*			
			Solenoid - Spring, external pilot N.C.	776/V.32.0.1C.S*			

(2019/12)

Coil

Coil type U1



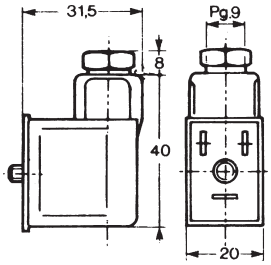
Weight 54 gr.

* Use only with M2/9

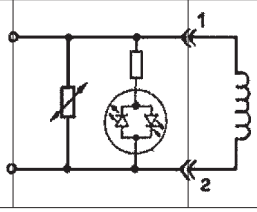
Ordering code	Available voltages Coils	
MB 4	12 D.C. STD	Direct current
MB 5	24 D.C. STD	
MB 6	48 D.C. STD	
MB 9*	24 D.C. (2 Watt) (Direct current, low consumption)	
MB 17	24/50 STD	Alternating current 50 Hz
MB 21	48/50 STD	
MB 22	110/50 STD	
MB 24	230/50 STD	
MB 37	24/60	Alternating current 60 Hz
MB 39	110/60	
MB 41	230/60	
MB 56	24/50-60	Alternating current 50/60 Hz
MB 57	110/50-60	
MB 58	230/50-60	
MB 66	24/50-60	Alternating current (low consumption) 50/60 Hz
MB 67	110/50-60	
MB 68	230/50-60	

Connector for coil (DIN 43650)

Ordering code	Supply voltage until	Coil type	Protection class	Remarks
MP1	0-250V~/300V=	U1	IP 65	CONNECTOR
MP1-LED-24V	24V	U1	IP 65	+LED
MP1-LED-24V-5M	24V	U1	IP 65	+LED+CABLE
MP1-LED-230V	230V	U1	IP 65	+LED



Electronic circuit for MP-LED

Input	Connector	Coil
V ac-dc		

Bipolar LED and VDR to protect supply and switch.
(The energy in the coil is limited by the VDR).
Voltage: 24 or 230V.

(2020/08)

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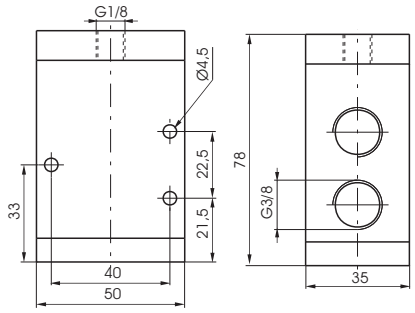
The components illustrated and described in the present catalogue are sold under the trademark **PNEUMAX**. Sales in Italy and abroad are handled through the organization indicated in the "**Sales network pages**". The overall dimensions and tecnical information are provided solely for information reasons and may be subject to change without notice.

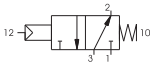
Pneumatic - Spring

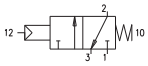
Ordering code
779.32.11.Ⓕ

	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



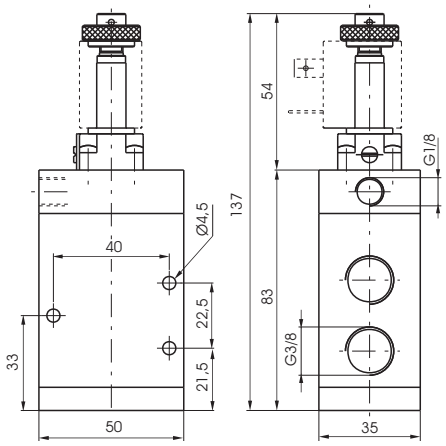


Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-10 - +70	1800	10	G 3/8"	G 1/8"

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 piloting 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	-10 - +50	1800	10	G 3/8"	G 1/8"

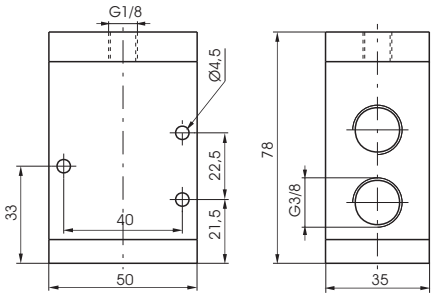
2

Pneumatic - Spring

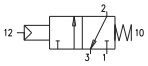
Ordering code

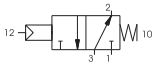
779/V.32.11.Ⓕ

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



Weight gr. 360
Minimum piloting pressure 2 bar





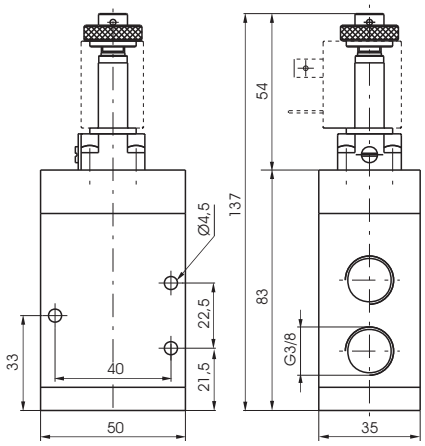
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-10 - + 70	10	G 3/8"	G 1/8"

Solenoid - Spring - Internal Pilot

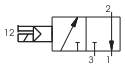
Ordering code

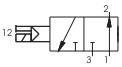
779/V.32.0.Ⓕ.M2/V

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



Weight gr. 420





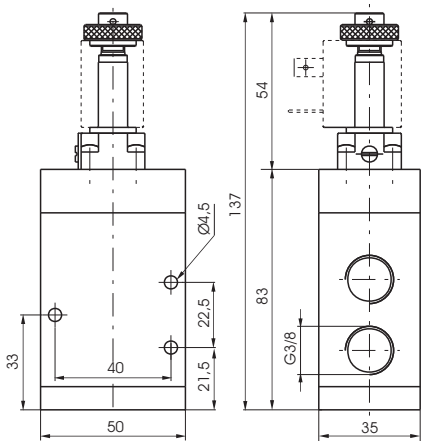
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-10 - + 50	10	G 3/8"	G 1/8"

Solenoid - Spring - External Pilot

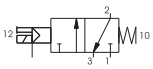
Ordering code

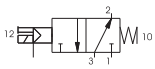
779/V.32.0.Ⓕ.M2

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



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



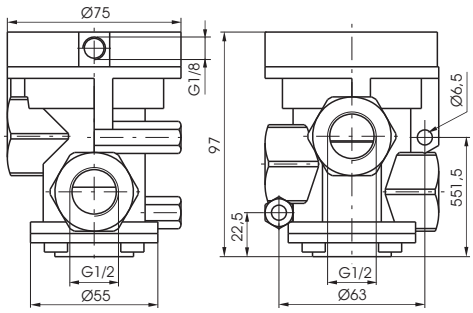


Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-10 - + 50	10	G 3/8"	G 1/8"

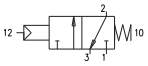
Pneumatic - Spring

Ordering code

772.32.11.1C



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



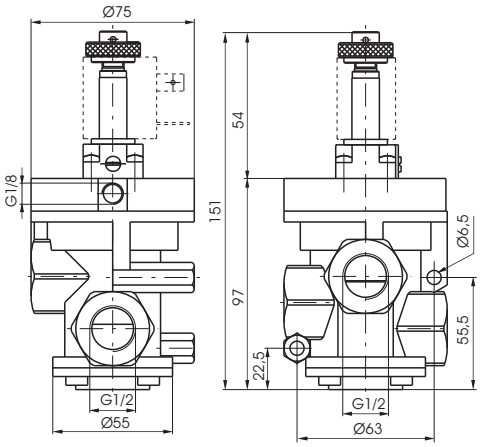
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	4800	15	G 1/2"	G 1/8"

Solenoid - Spring

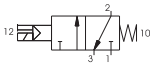
Ordering code

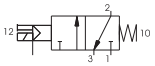
772.32.0.Ⓕ.M2

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



Weight gr. 1160
Minimum piloting 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	4800	15	G 1/2"	G 1/8"

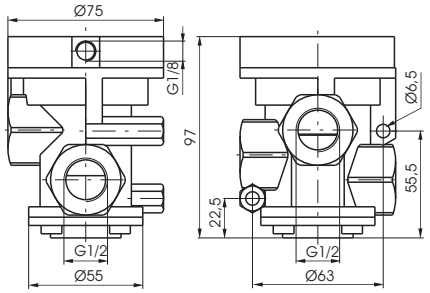
2

Pneumatic - Spring

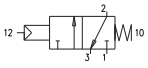
Ordering code

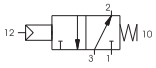
772/V.32.11.Ⓕ

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



Weight gr. 1100
Minimum piloting pressure 2 bar





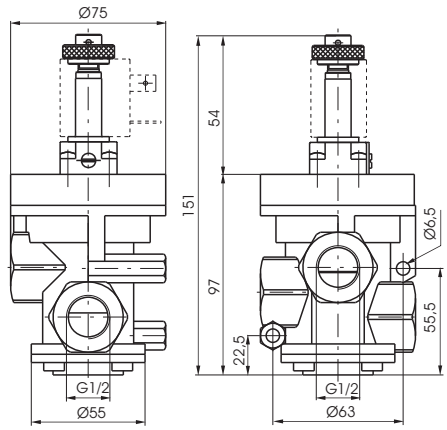
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	15	G 1/2"	G 1/8"

Solenoid - Spring - Internal Pilot

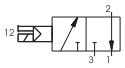
Ordering code

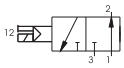
772/V.32.0.Ⓕ.M2/V

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



Weight gr. 1160





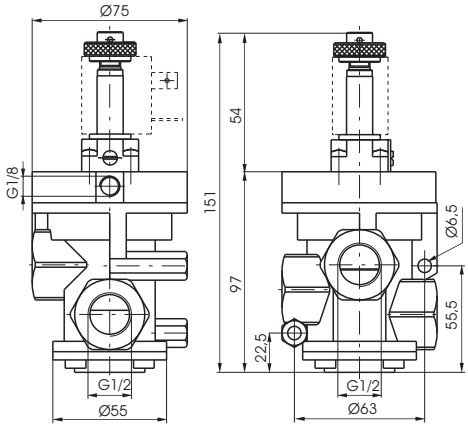
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	15	G 1/2"	G 1/8"

Solenoid - Spring - External Pilot

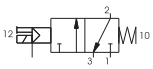
Ordering code

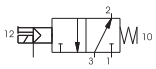
772/V.32.0.Ⓕ.M2

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



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



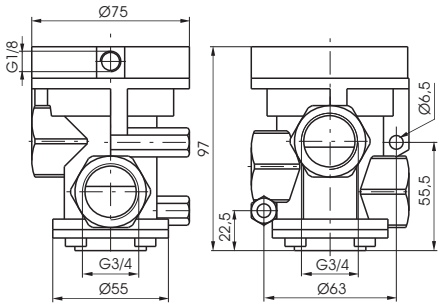


Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	15	G 1/2"	G 1/8"

Pneumatic - Spring

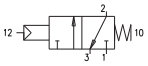
Ordering code

773.32.11.1C



Weight gr. 990

Normally Closed
Minimum piloting pressure 2,5 bar



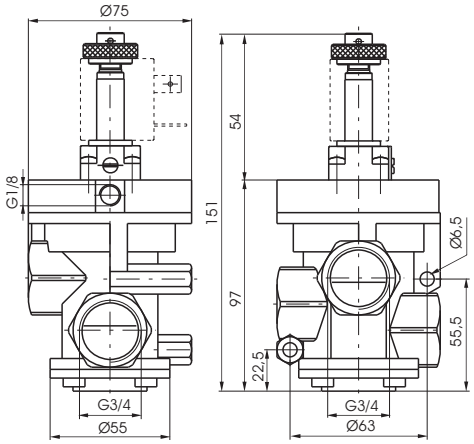
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orience size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	6100	20	G 3/4"	G 1/8"

Solenoid - Spring

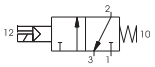
Ordering code

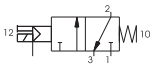
773.32.0.Ⓕ.M2

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



Weight gr. 1050
Minimum piloting 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"

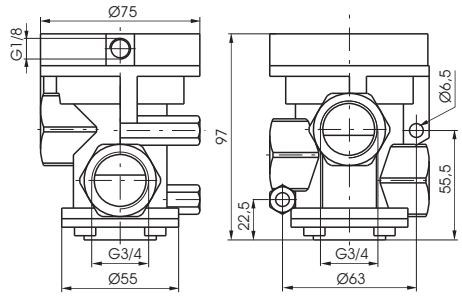
2

Pneumatic - Spring

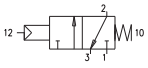
Ordering code

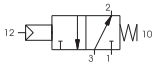
773/V.32.11.Ⓕ

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



Weight gr. 990
Minimum piloting pressure 2 bar





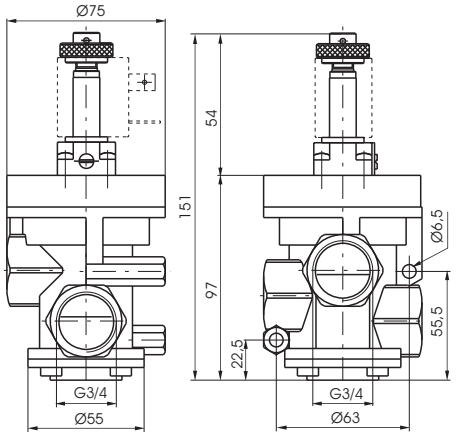
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	20	G 3/4"	G 1/8"

Solenoid - Spring - Internal Pilot

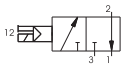
Ordering code

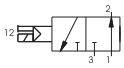
773/V.32.0.Ⓕ.M2/V

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



Weight gr. 1050





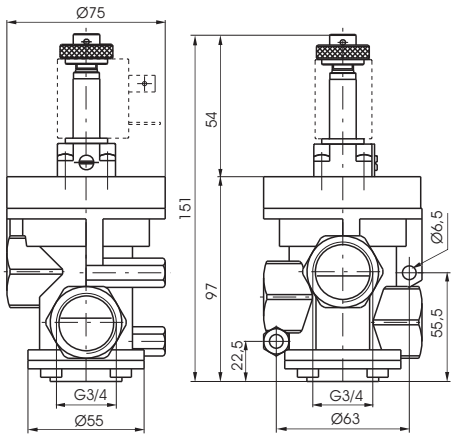
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	20	G 3/4"	G 1/8"

Solenoid - Spring - External Pilot

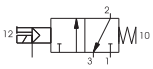
Ordering code

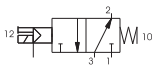
773/V.32.0.Ⓕ.M2

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



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

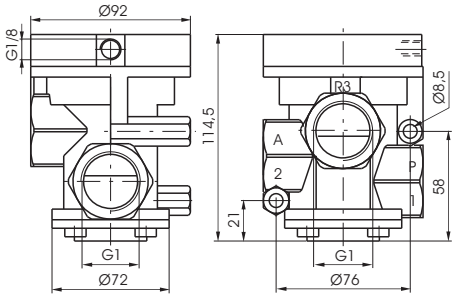




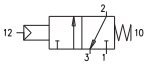
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	20	G 3/4"	G 1/8"

Pneumatic - Spring

Ordering code
771.32.11.1C



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

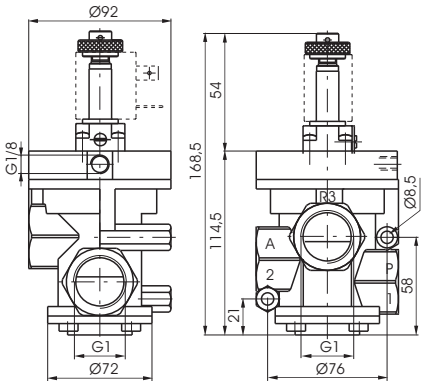


Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	12000	25	G 1"	G 1/8"

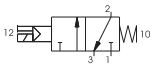
Solenoid - Spring

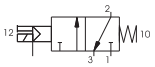
Ordering code
771.32.0.Ⓕ.M2

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



Weight gr. 1120
Minimum piloting 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"

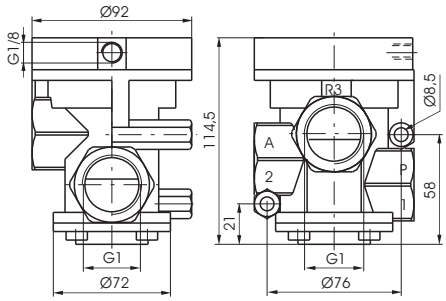
2

Pneumatic - Spring

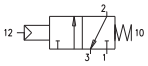
Ordering code

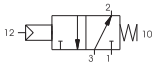
771/V.32.11.Ⓕ

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



Weight gr. 1060
Minimum piloting pressure 2 bar





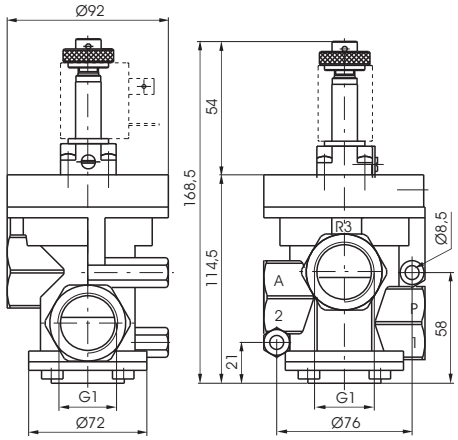
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	25	G 1"	G 1/8"

Solenoid - Spring - Internal Pilot

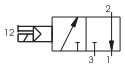
Ordering code

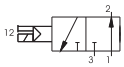
771/V.32.0.Ⓕ.M2/V

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



Weight gr. 1120





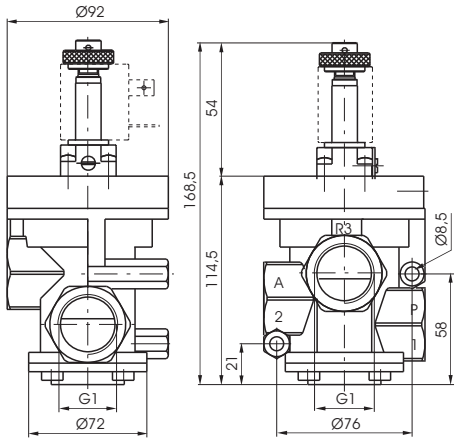
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	25	G 1"	G 1/8"

Solenoid - Spring - External Pilot

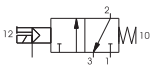
Ordering code

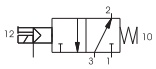
771/V.32.0.Ⓕ.M2

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



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



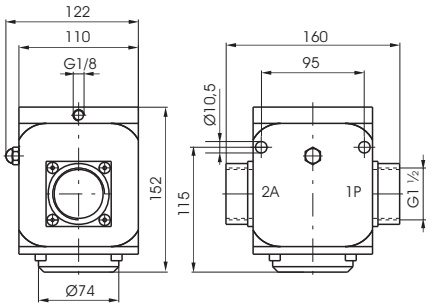


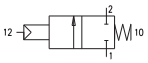
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	25	G 1"	G 1/8"

Pneumatic - Spring

Ordering code

776.22.11.1C





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

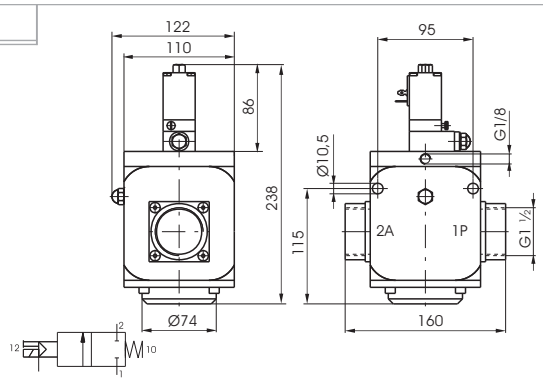
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	33500	38	G1 1/2"	G 1/8"

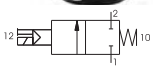
Solenoid - Spring

Ordering code

776.22.0.Ⓕ.Ⓢ

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





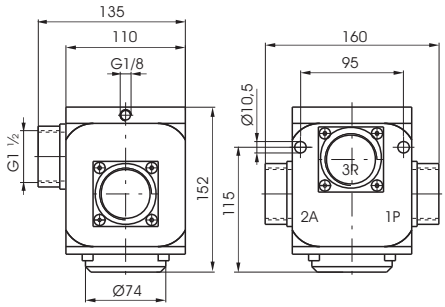
Weight gr. 4450
Minimum piloting pressure 2,5 bar (External Pilot) - 3 bar (Internal Pilot)

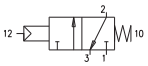
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +50	33500	38	G1 1/2"	G 1/8"

Pneumatic - Spring

Ordering code

776.32.11.1C





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

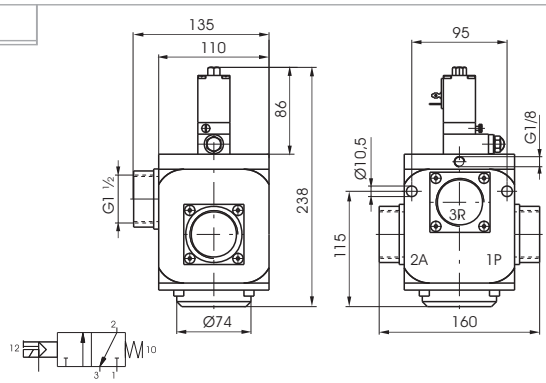
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +70	33500	38	G1 1/2"	G 1/8"

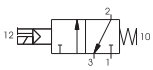
Solenoid - Spring

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 piloting pressure 2,5 bar (External Pilot) - 3 bar (Internal Pilot)

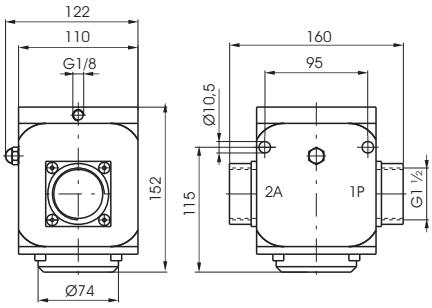
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10	-5 - +50	33500	38	G1 1/2"	G 1/8"

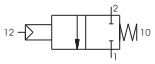
2

Pneumatic - Spring

Ordering code

776/V.22.11.1C





Weight gr. 3950
Normally Closed
Minimum piloting pressure 2 bar

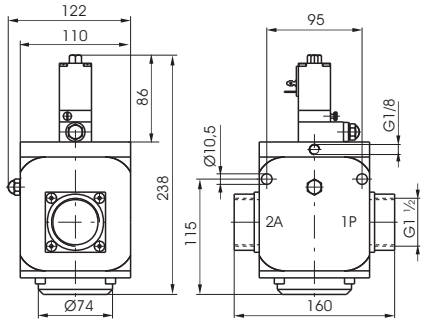
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	38	G1 1/2"	G 1/8"

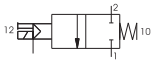
Solenoid - Spring

Ordering code

776/V.22.0.1C.Ⓢ

Ⓢ	SOLENOID CODE
	See Valves Series 300 Type "S"





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

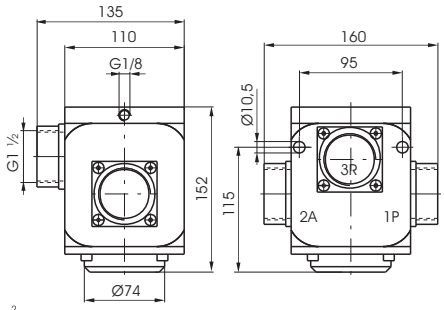
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 50	38	G1 1/2"	G 1/8"

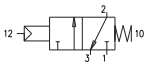
Pneumatic - Spring

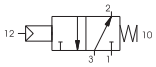
Ordering code

776/V.32.11.Ⓕ

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







Weight gr. 3900
Minimum piloting pressure 2 bar

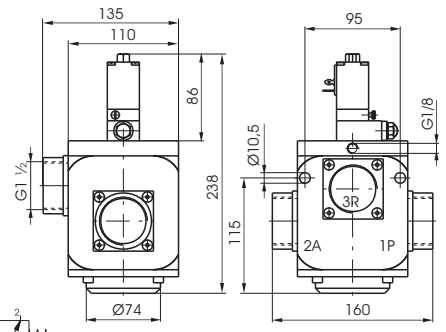
Operational characteristic	Fluid	Temperature °C	Orifice size (mm)	Working ports size	Pilot ports size
	Vacuum	-5 - + 70	38	G1 1/2"	G 1/8"

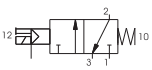
Solenoid - Spring

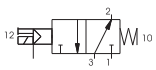
Ordering code

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 piloting 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"