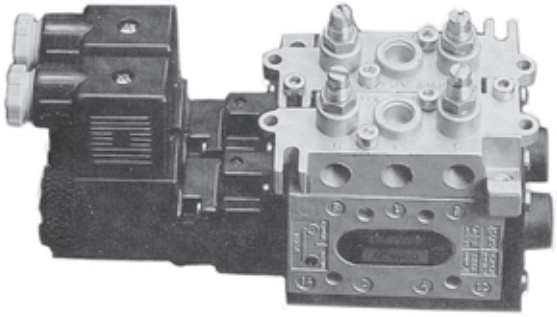
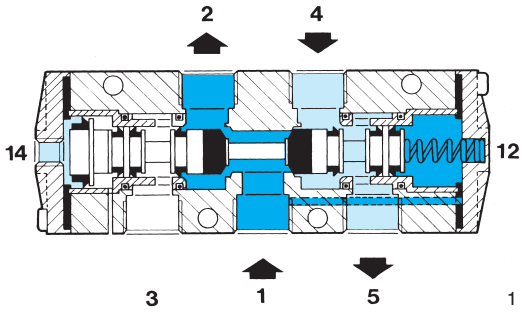
The "Mixed" system which has been produced for years is recommended for the majority of pneumatic applications which do not have particular circuitry requisites. The favourable quality/price ratio (response time, high cycles, high flow) make this valve particulary convenient. The special construction and the use of a special type of seal compound allow the use also with non lubricated air.

TECHNICAL CHARACTERISTICS

Body in die-cast aluminium
Ambient temperature -10°C to + 45°C
Fluid temperature +50°C max
Fluid: filtered air 50 μm, with or without lubrication
Seals in nitrile rubber or Vulkollan
Indirect electropneumatic or pneumatic control
Pneumechanical spring return
Coil **U1** part number DA-___ (upon request U3 coil part number DC-___) - **U2** part number DB-___
(Section accessories page 13-V).

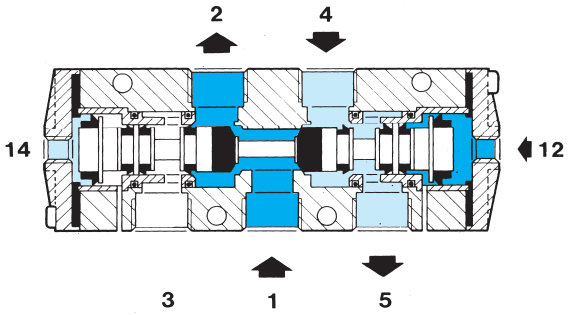


Single pneumatic control



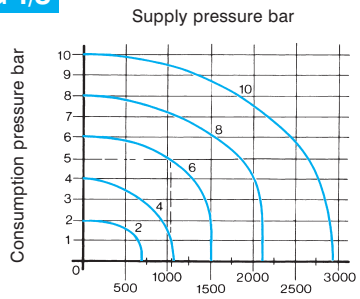
1 = Supply
2-4 = Consumptions
3-5 = Exhausts
14 = Control
12 = Return

Double pneumatic control

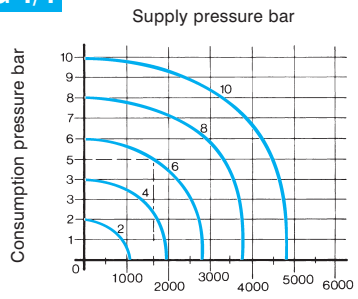


NOTE: an indicative estimate of the factor "CV" can be obtained by dividing the capacity values expressed in Nl/min by "962"

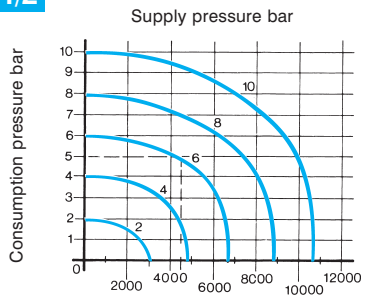
G 1/8



G 1/4



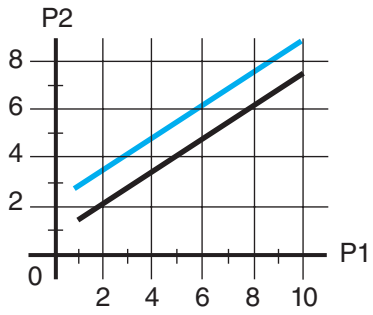
G 1/2



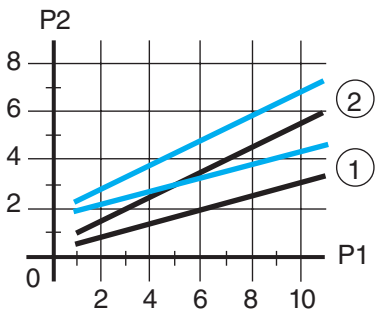
Pilot characteristics

P_1 = Supply pressure
P_2 = Pilot pressure

Single pneumatic control

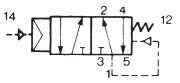
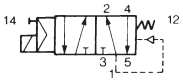
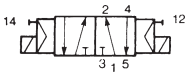


Double pneumatic control



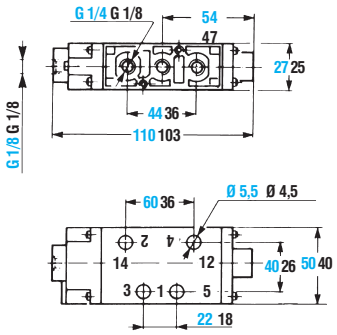
(1) amplified control
(2) differential control
P_1= Supply pressure
P_2= Pilot pressure

Valves

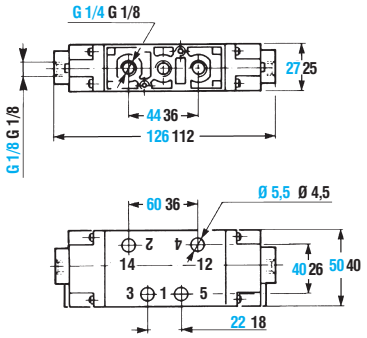
Type	Symbols	Connec-tions	Control (14)	Return (12)	Coils	Ø mm	Capacity Nl/min	Pressure bar	Times ms energ. (14)	Times ms de-energ. (12)	Mass kg	Part number
		G 1/8	Amplified pneumatic	Pneumatic-mechanic spring		6	1080	1,8÷10	8	10	0,22	**AC-7100**
		G 1/4				8	1600	1,7÷10	10	10	0,23	**AC-8100**
		G 1/2				15	4600	1÷10	10	10	0,76	**AC-9100**
		G 1/8	Amplified pneumatic	Amplified pneumatic		6	1080	1÷10	5	10	0,23	**AC-7120**
		G 1/4				8	1600	0,8÷10	6	6	0,21	**AC-8120**
		G 1/2				15	4600	0,8÷10	8	8	0,77	**AC-9120**
		G 1/8	Amplified electrical	Pneumatic-mechanic spring	U1	6	1080	1,8÷10	18	20	0,27	**AC-7500** ⊖
		G 1/4				8	1600	1,7÷10	22	22	0,28	**AC-8500** ⊖
		G 1/2			U2	15	4600	1÷10	23	30	1,1	**AC-9500** ⊖
		G 1/8	Amplified electrical	Amplified electrical	U1	6	1080	1÷10	14	14	0,33	**AC-7520** ⊖
		G 1/4				8	1600	0,8÷10	14	14	0,31	**AC-8520** ⊖
		G 1/2			U2	15	4600	0,8÷10	16	16	1,1	**AC-9520** ⊖

The part numbers of the electrovalves do not include coils.
Servoassistance of the G 1/8 and G ¼ electrovalves is possible by putting a servoplate between the electropilot and the cap thus increasing the length per pilot by 8 mm in comparison with the standard version.

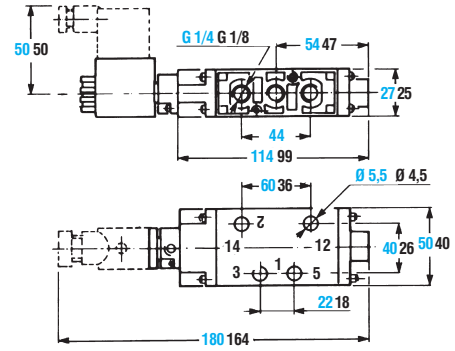
Single pneumatic control 5/2 G1/8 - G1/4



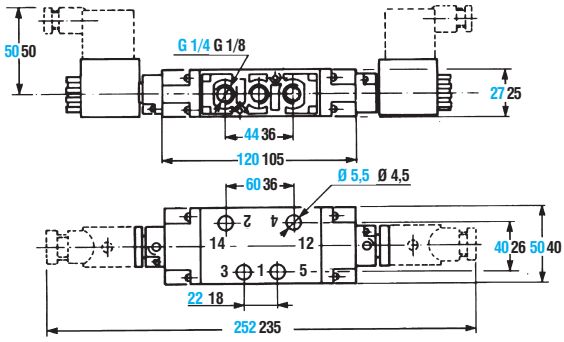
Double pneumatic control 5/2 G1/8 - G1/4



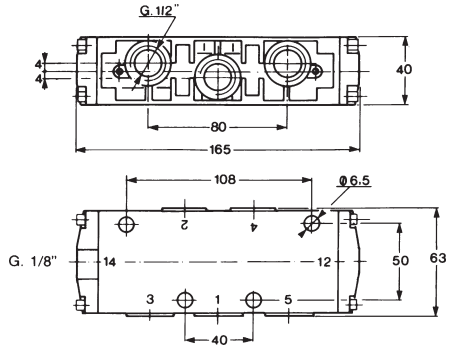
Single electric control 5/2 G1/8 - G1/4 L/aligned solenoid



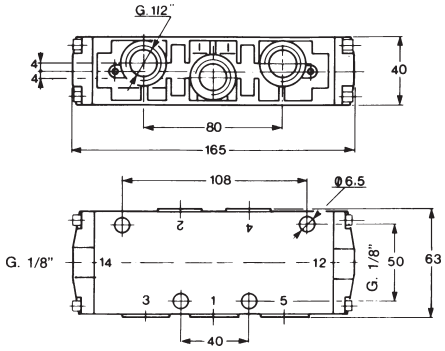
Double pneumatic control 5/2 G1/8 - G1/4 L/aligned solenoid



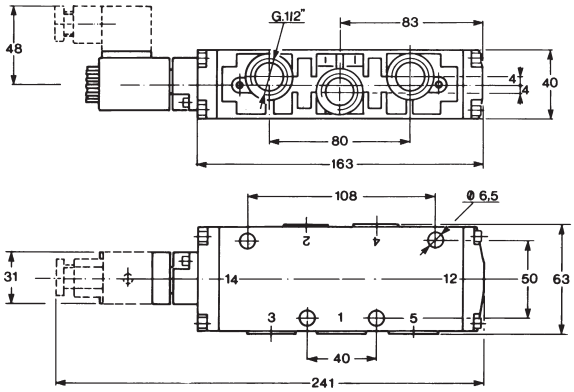
Single pneumatic control 5/2 - G 1/2 Mixed system



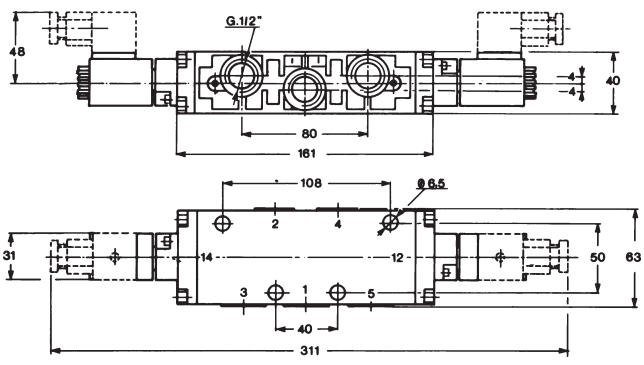
Double pneumatic control 5/2 - G 1/2 Mixed system



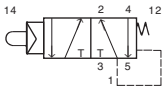
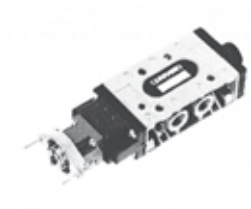
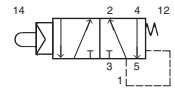
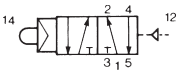
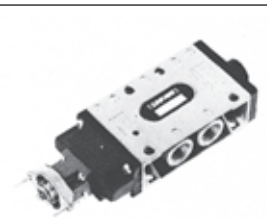
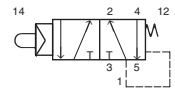
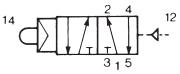
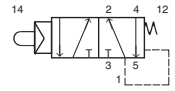
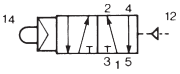
Single electric control 5/2 G1/8 - G1/4 Mixed system - solenoid in line/L



Double pneumatic control 5/2 G1/8 - G1/4 Mixed system - solenoid in line/L

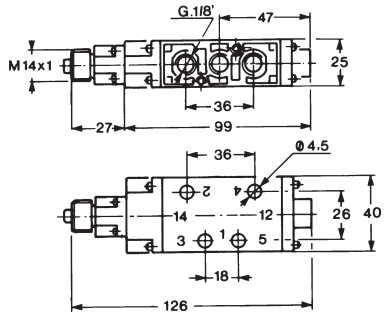


1 = Pressure, 2-4 = Consumption, 3-5 = Exhaust, 14 = Control, 12 = Return.

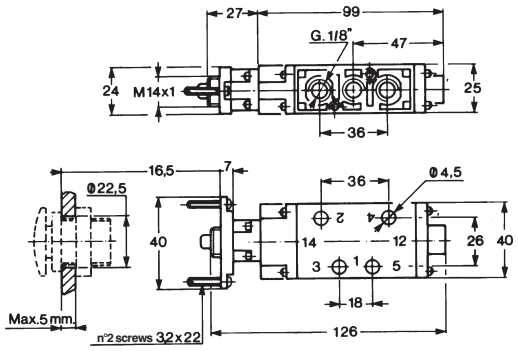
Type	Symbol	Connec-tions	Control (14)	Return (12)	Ways	Ø mm	Capacity Nl/min	Pressure bar	Mass kg	Part number
		G 1/8	Tappet rod	Pneu matic-mechanical spring	5/2	6	1080	2÷10	0,27	**AC-7010**
		G 1/4			5/2	8	1600	2÷10	0,28	**AC-8010**
		G 1/2			5/2	15	4600	2÷10	0,33	**AC-9010**
Ø 22 valves for panel actuators mounting										
		G 1/8	Tappet rod	Pneu matic-mechanical spring	5/2	6	1080	2÷10	0,28	**AC-7013**
		G 1/8		Pneumatic impulse	5/2	6	1080	1÷10	0,29	**AC-7013P**
		G 1/4	Tappet rod	Pneu matic-mechanical spring	5/2	8	1600	2÷10	0,29	**AC-8013**
		G 1/4		Pneumatic impulse	5/2	8	1600	1÷10	0,28	**AC-8013P**
		G 1/2	Tappet rod	Pneu matic-mechanical spring	5/2	15	4600	2÷10	0,84	**AC-9013**
		G 1/2		Pneumatic impulse	5/2	15	4600	1÷10	0,83	**AC-9013P**

The operation of this valve is so effortless that the operator does not get tired even after numerous manual operations.

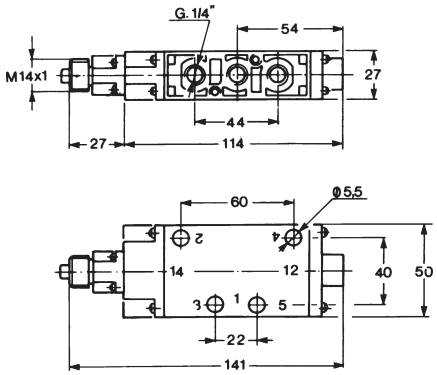
Indirectly piloted basic valve with ball push 5/2 - G 1/8



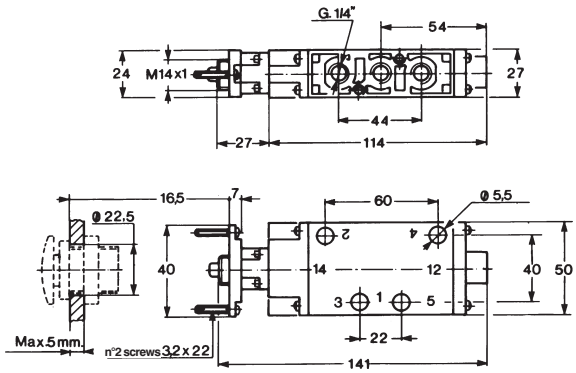
Indirectly piloted basic valve 5/2 - G 1/8 for panel mounting



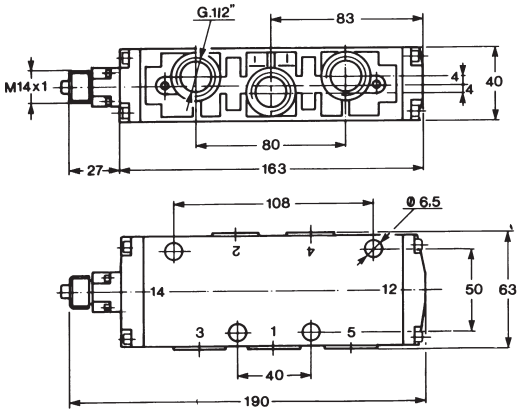
Indirectly piloted basic valve with ball push 5/2 - G 1/4



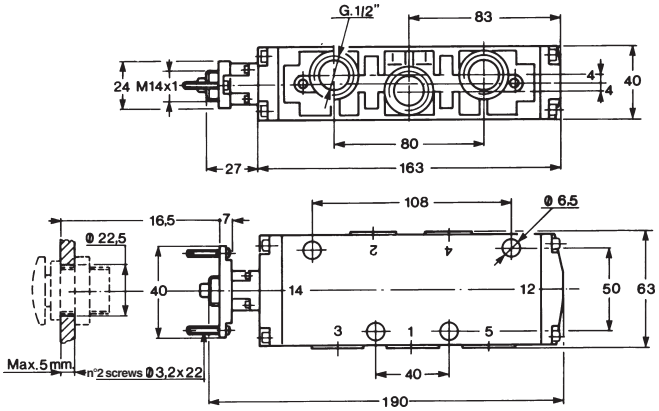
Indirectly piloted basic valve 5/2 - G 1/4 for panel mounting



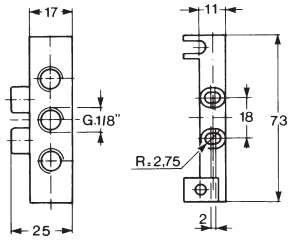
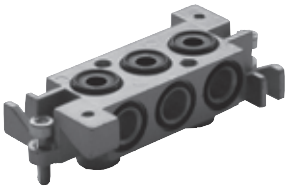
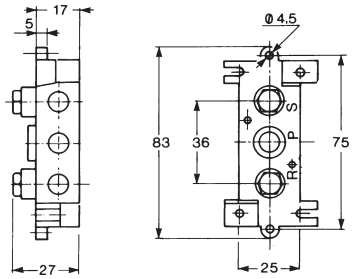
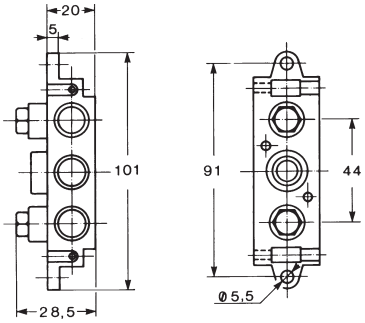
Indirectly piloted basic valve with ball push 5/2 - G 1/2



Indirectly piloted basic valve 5/2 - G 1/2 for panel mounting

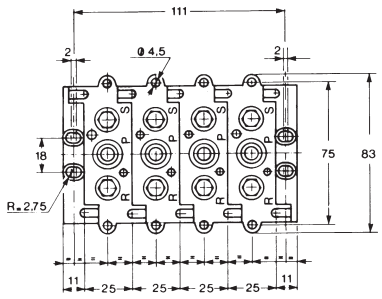


1 = Pressure, 2-4 = Consumption, 3-5 = Exhaust, 14 = Control, 12 = Return.

Type	Overall dimensions	Remarks	Connec-tions	Material	Mass kg	Part number
Inlet plate MIXED system 5/2 - G 1/8						
 Standard screws and seals		side connections	G 1/8	zamak	0,09	**AC-7905**
Sub-base with threaded G 1/8 connections						
 Standard screws and seals		-	G 1/8	zamak	0,15	**AC-7900**
Sub-base with threaded G 1/4 connections						
 Standard screws and seals		-	G 1/4	zamak	0,22	**AC-8900**

Overall dimensions

G 1/8



Advantages

The sub-base used for MIXED valves has been designed and patented keeping in mind existing problems.

- Possibility to establish the number of sub-bases required at the time of use.
- Possibility to increase or reduce the number of elements without any restriction.
- Quick assembly with a special standard supplied screw.
- Reduction of stocks.
- Easy technical intervention.
- Possibility to select the functions of each manifold assembly (pressure differentiation, exhaust adjustment) by increasing or decreasing the number of the elements without restriction.

G 1/4