

## Asia Pacific Region



[automationdirect.com.au](http://automationdirect.com.au)

Short Form Catalog

Pneumatic Valves



## Solenoid Actuated Valves

Pneumatics



3/2-5/2-5/3 spool valves with G1/8"-G1/4" threaded ports  
 Installation in-line, on gang or modular manifolds  
 Solenoid pilots with detented manual override as standard  
 On request with low consumption 1.5W  
 Special versions on request

### Specifications :

#### Materials

Body: aluminium 11S  
Springs: stainless steel  
Seals: NBR  
Spool: nickel plated aluminium  
Internal parts: brass OT58

Nominal orifice 1/8": 5 mm  
 1/4": 7.5 mm  
 Temperature range max +60°C

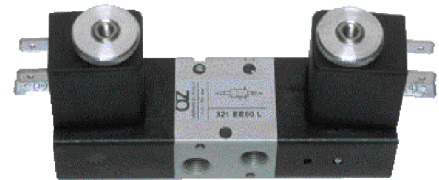
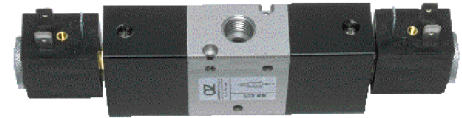
#### Working Pressure

monostable internal air supply 2.5 ... 10 bar  
 0.25 ... 1 MPa  
 bi-stable internal air supply 1 ... 10 bar  
 0.1 ... 1 MPa  
 Separate air supply max 10 bar  
 max 1 MPa  
 Actuating pressure (for separate air supply) 2.5 ... 10 bar  
 0.25 ... 1 MPa  
 mono-stable 2.5 ... 10 bar  
 0.25 ... 1 MPa  
 bi-stable 1 ... 10 bar  
 0.1 ... 1 MPa

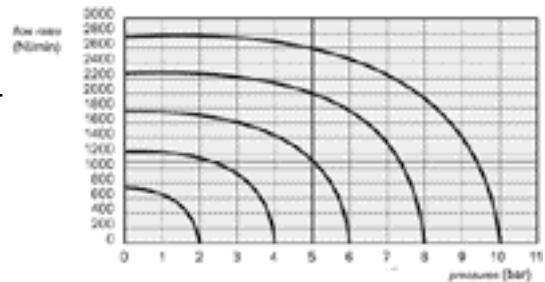
Fluid 50µ filtered, lubricated or non lubricated air

#### response times

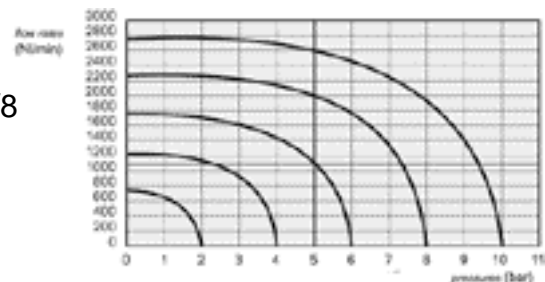
	1/8"	1/4"
mono-stable	TRA (14): 15 ms TRR (12): 35 ms	TRA (14): 19 ms TRR (12): 45 ms
bi-stable	TRA (14): 20 ms TRR (12): 20 ms	TRA (14): 22 ms TRR (12): 22 ms



1/4



1/8



## Solenoid Actuated Valves

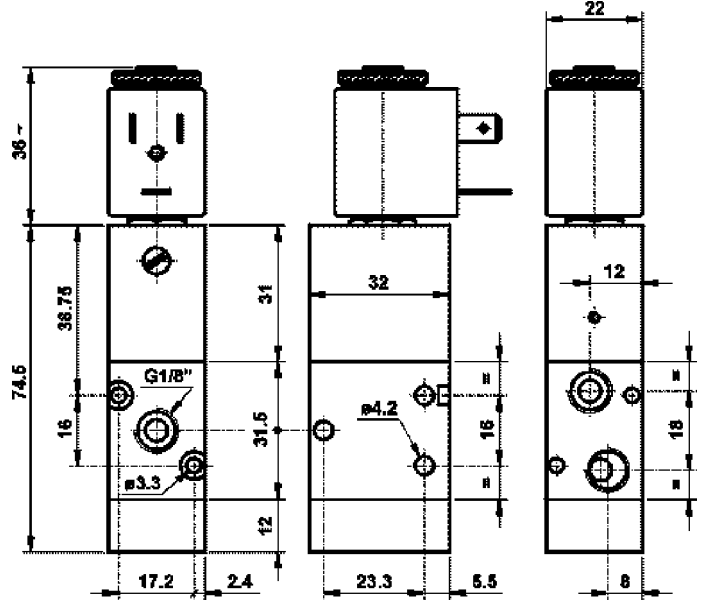
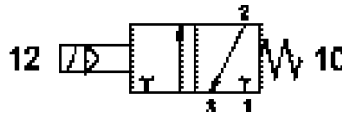
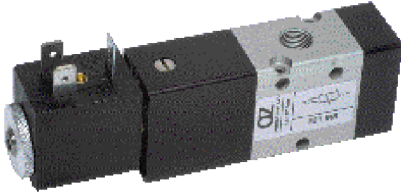
Pneumatics



3/2-5/2-5/3 spool valves with G1/8"-G1/4" threaded ports  
 Installation in-line, on gang or modular manifolds  
 Solenoid pilots with detented manual override as standard  
 On request with low consumption 1.5W  
 Special versions on request

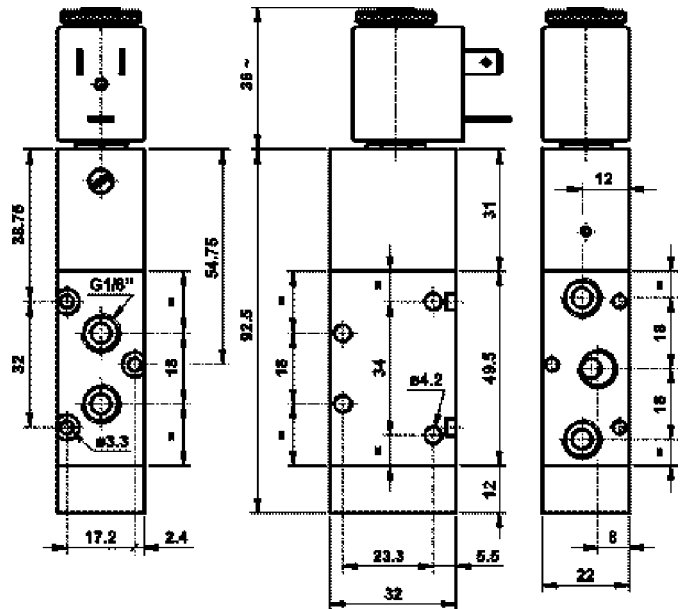
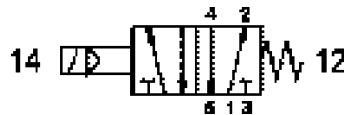
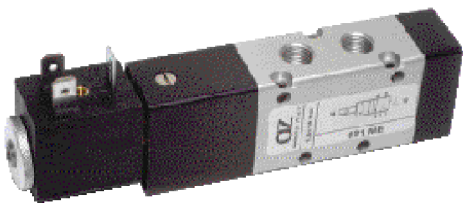
### 321 ME

3/2 1/8" NC solenoid pilot - spring return



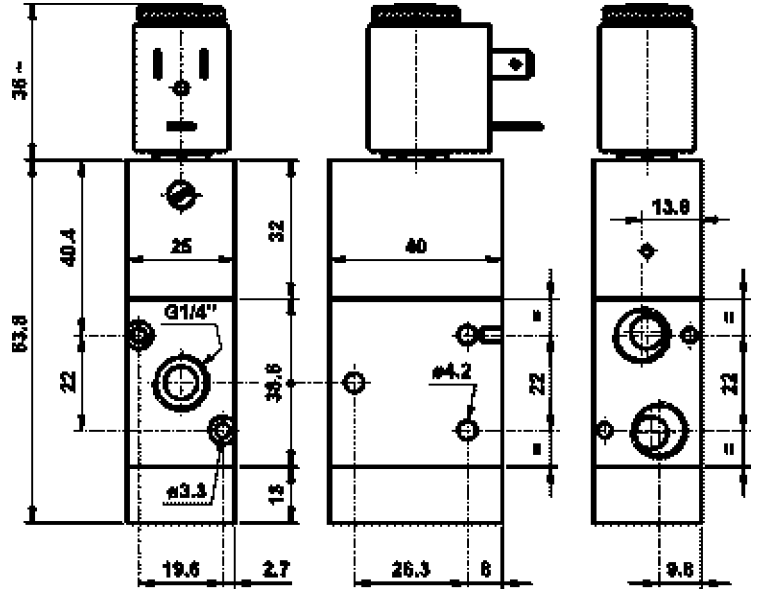
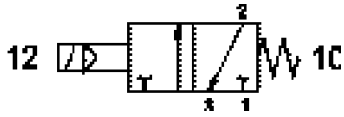
### 521 ME

5/2 1/8" solenoid pilot - spring return



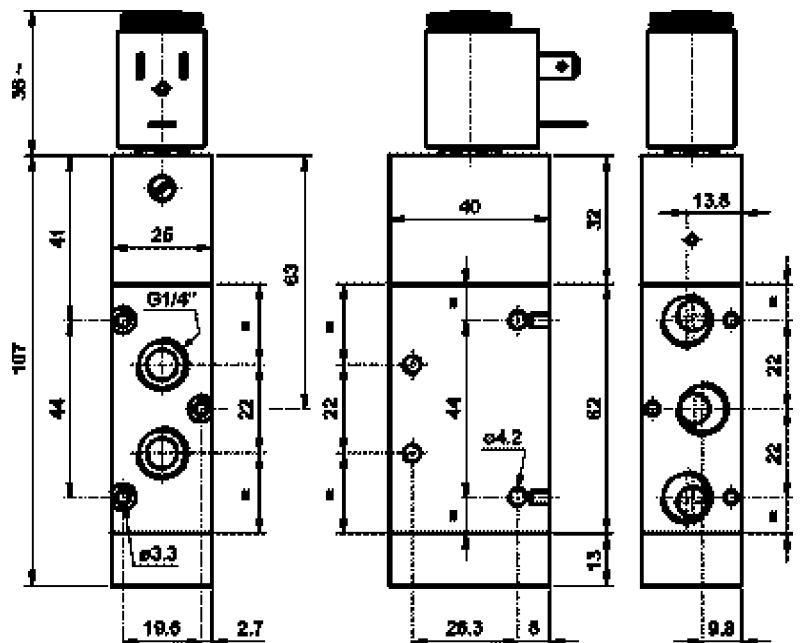
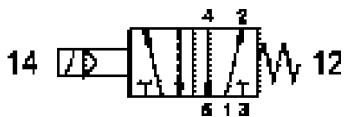
## 322 ME

3/2 1/4" NC solenoid pilot - spring return



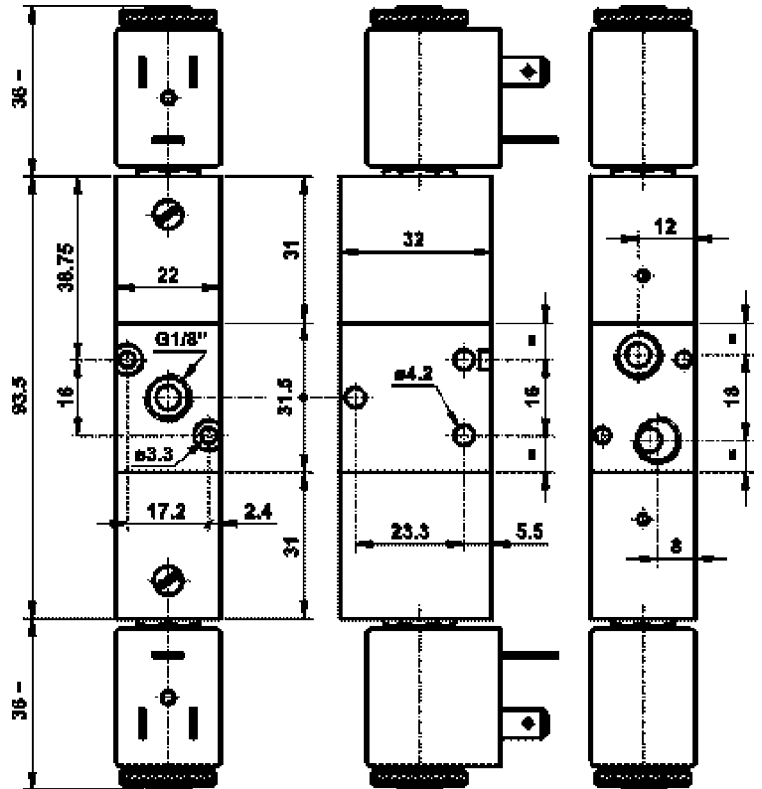
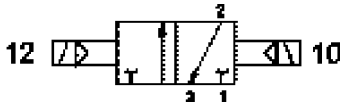
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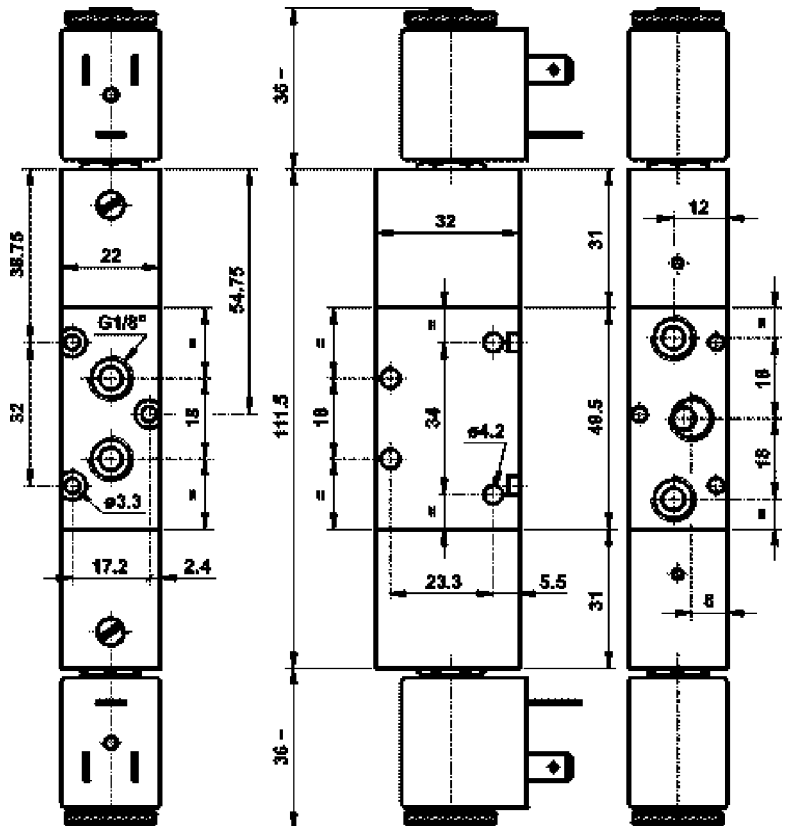
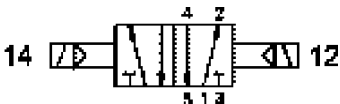
### 321 EE

3/2 1/8" NC solenoid pilot



### 521 EE

5/2 1/8" NC solenoid pilot



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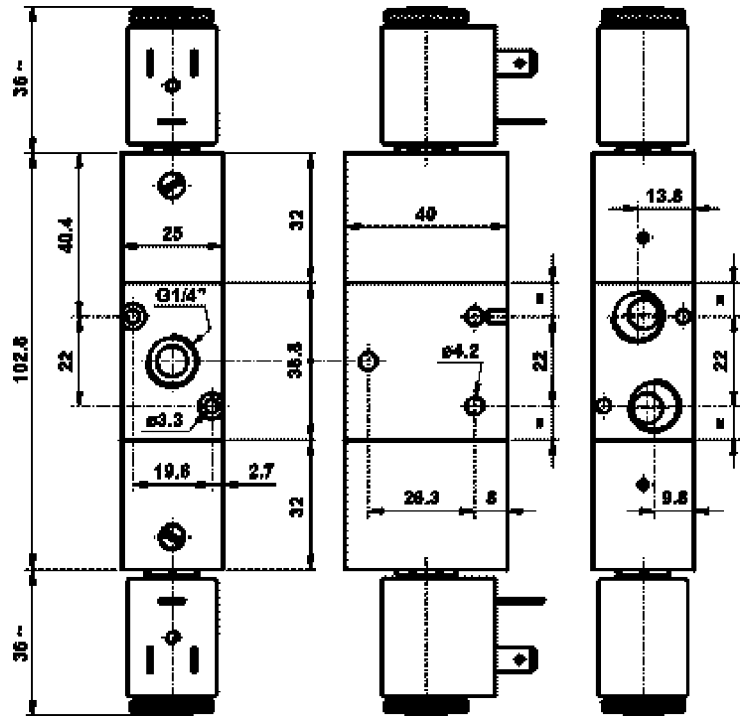
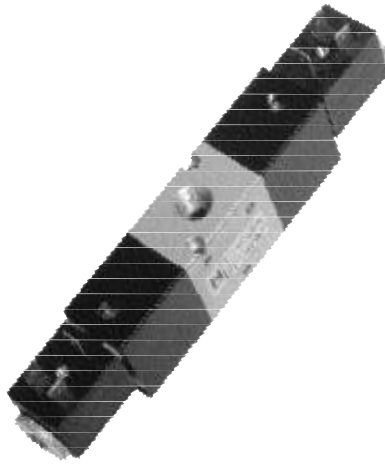
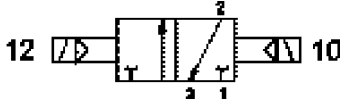
Mudgeeraba Qld Australia 4213

Tel: 61-7-55307799 Fax: 61-7-55252053

Email: sales@automationdirect.com.au Web: www.automationdirect.com.au

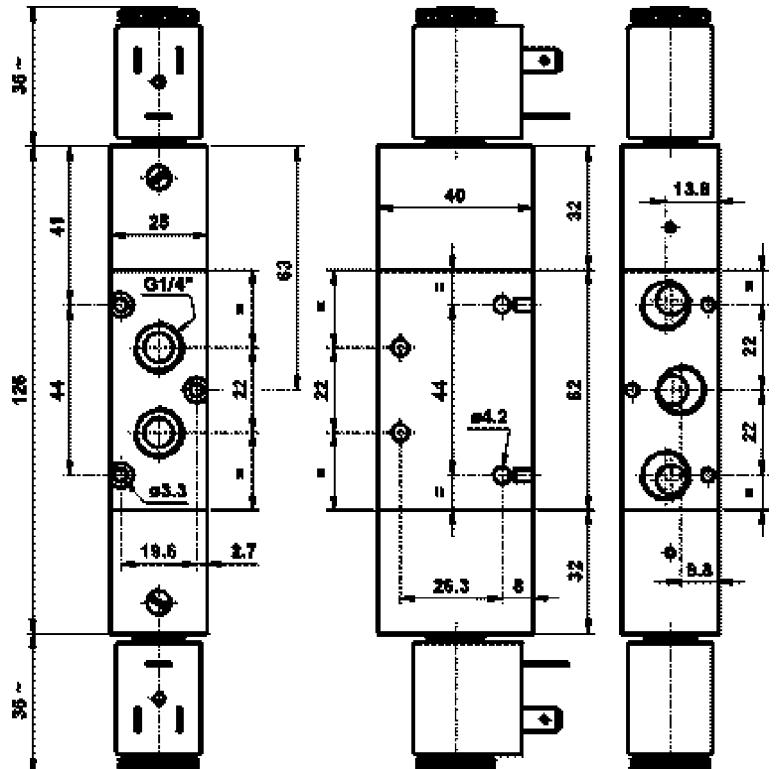
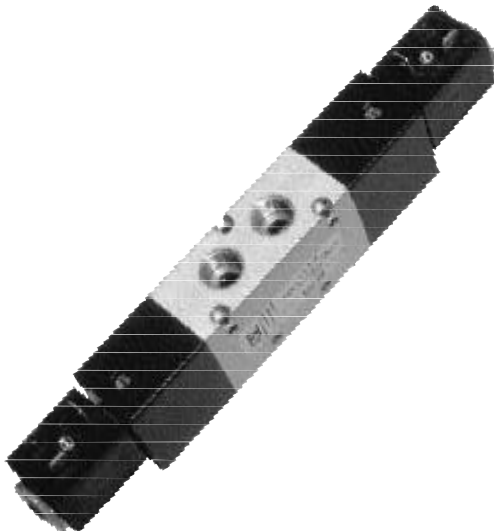
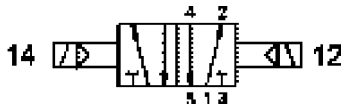
### 322 EE

3/2 1/4" NC solenoid pilot



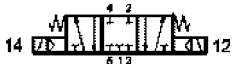
### 522 EE

5/2 1/4" NC solenoid pilot



5213C EE

closed centre

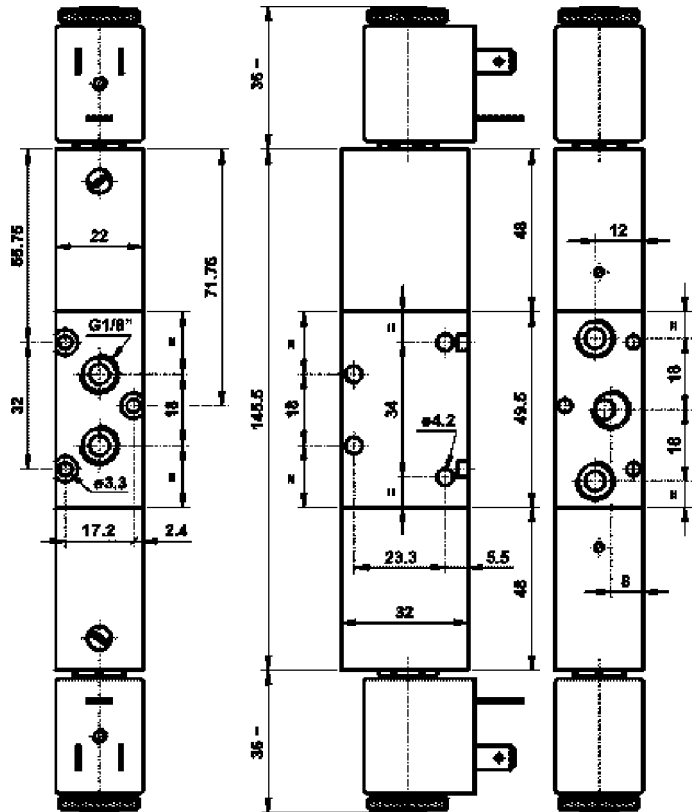
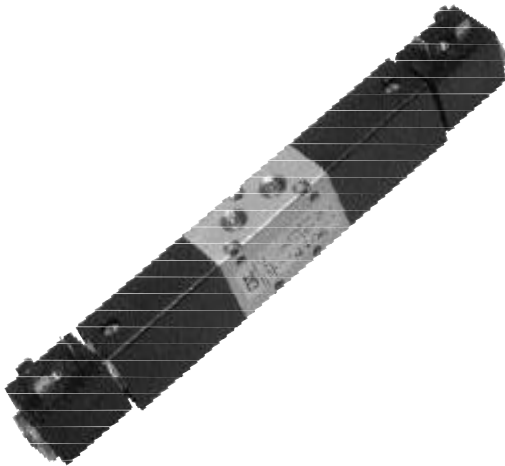


5213A EE

open centres

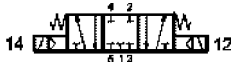


5/2 1/8" double solenoid pilot



5223C EE

closed centre

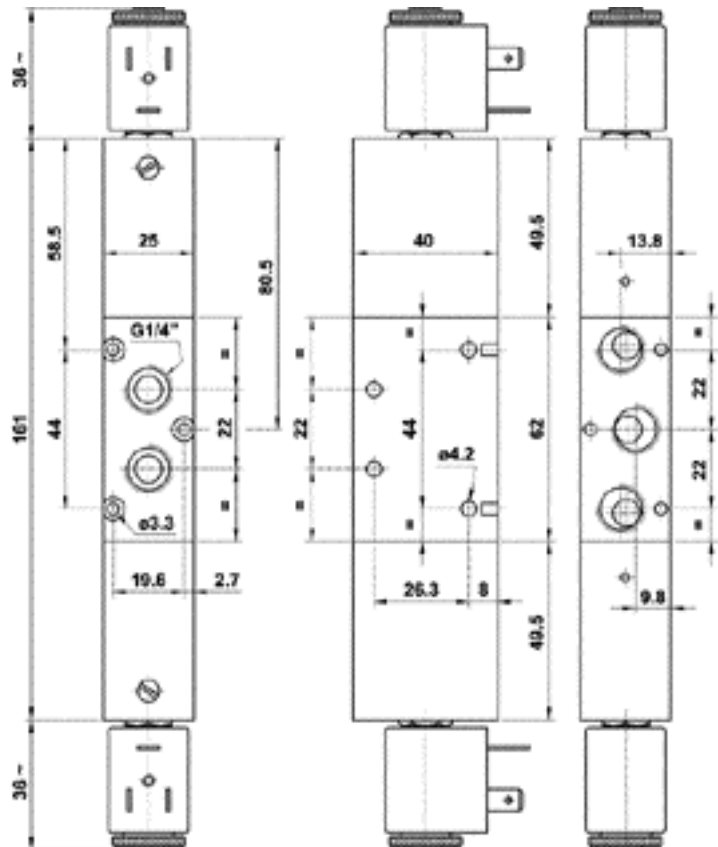
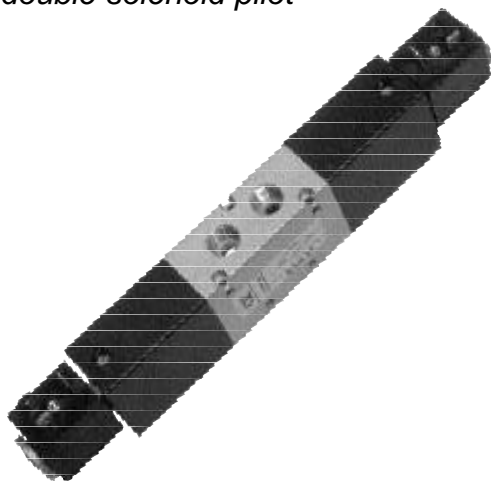


5223A EE

open centres



5/2 1/4" double solenoid pilot



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# Solenoid Coils

Pneumatics



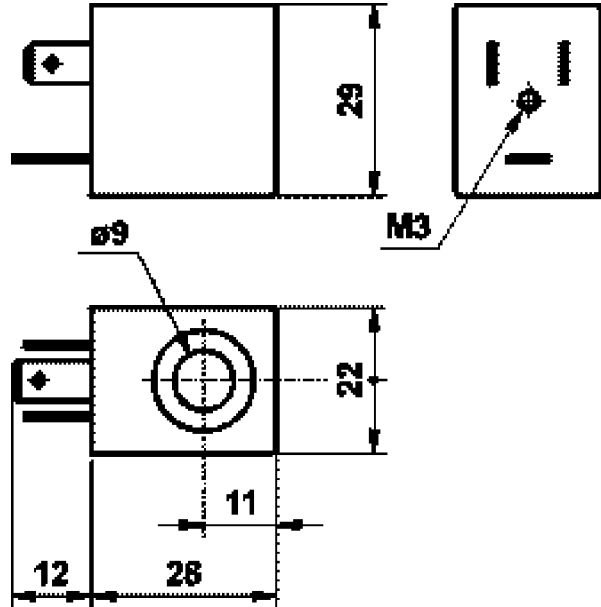
22 mm

max working temperature	+50°C
duty cycle	ED 100%
protection with connector correctly mounted	IP 65
tension tolerance	± 10%

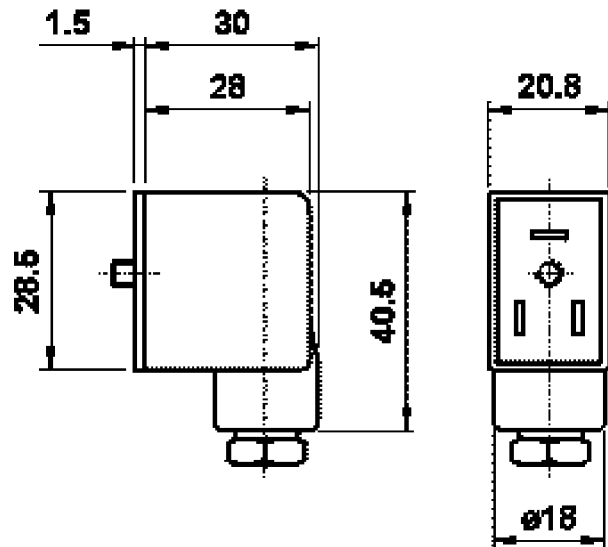


\*low consumption (1.5W) on request

CODE	TENSION	POWER	
		RATED	INRUSH
00.167.0	12V DC	3W	
00.028.0	24V DC	3W	
00.029.0	24V 50/60Hz	5VA	7.5VA
00.030.0	110V 50/60Hz	5VA	7.5VA
00.031.0	220V 50/60Hz	5VA	7.5VA

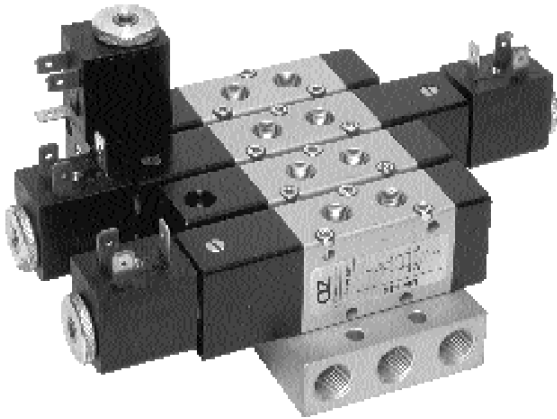


CODE	COLOUR	CABLE	TYPE
00.197.0	black	PG09	standard
00.345.0	transparent	PG09	with red LED 24V and VDR
00.347.0	transparent	PG09	with red LED 115V and VDR

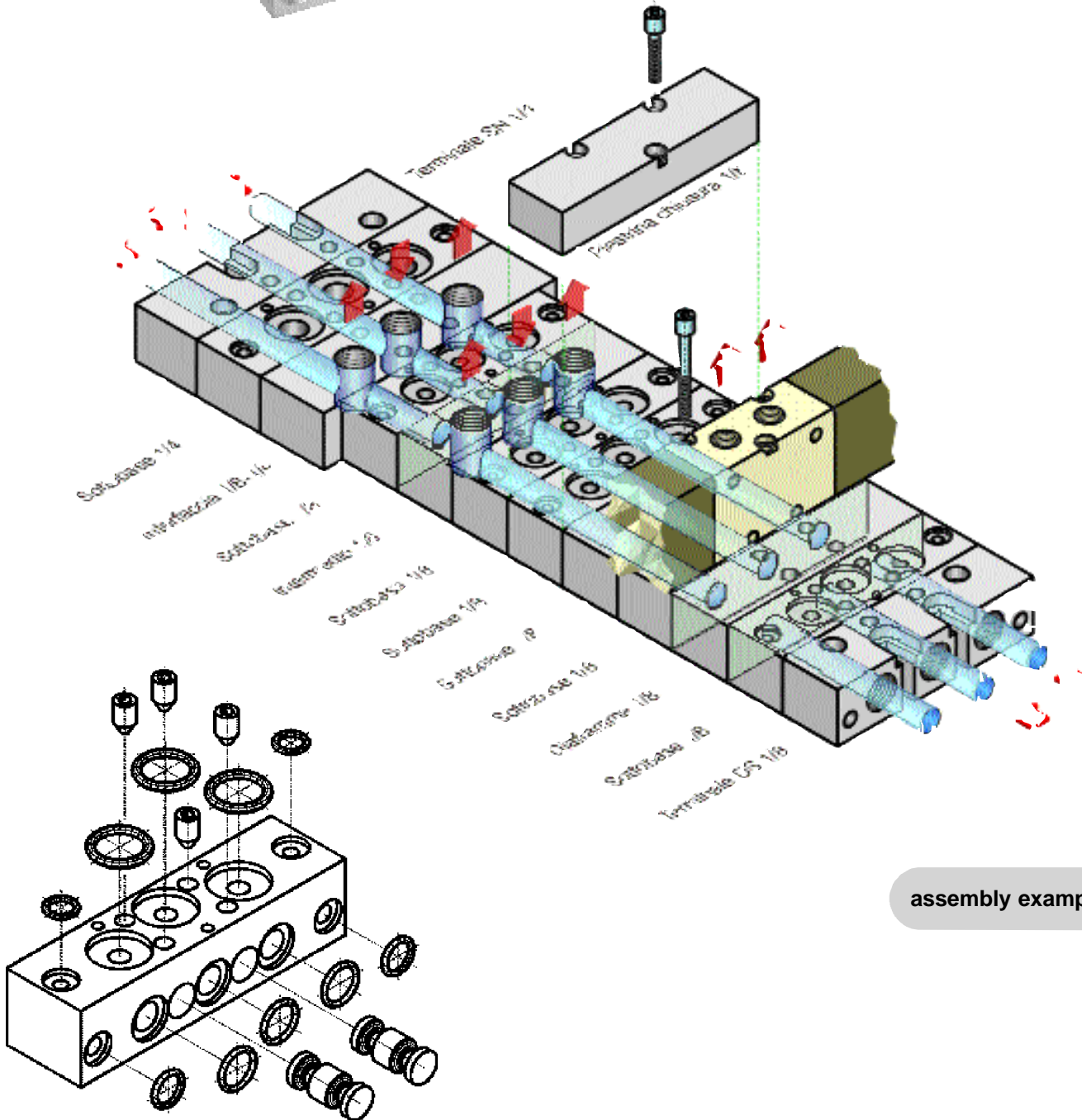


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Multiple sub-bases for 1/8" and 1/4" spool valves  
 Manifolds for 1/8" and 1/4" spool valves  
 Special manifolds on request  
 Material: aluminium (anodize treatment)



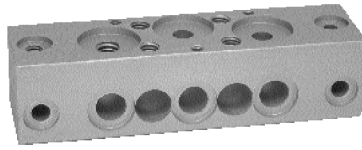
assembly example

## Multiple Sub-Bases for Spool Valves

Pneumatics



### sub-base

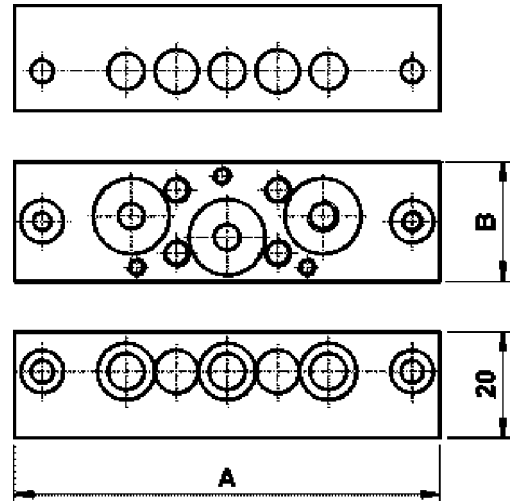


Each sub-base is solid with all necessary components to install 1/8" or 1/4" valves.

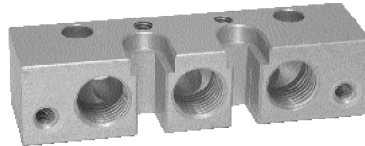
#### ORDER CODES

**00.021.3** for 1/8" valves  
**00.032.4** for 1/4" valves

	1/8"	1/4"
A	80	95
B	22.5	26



### inlet header

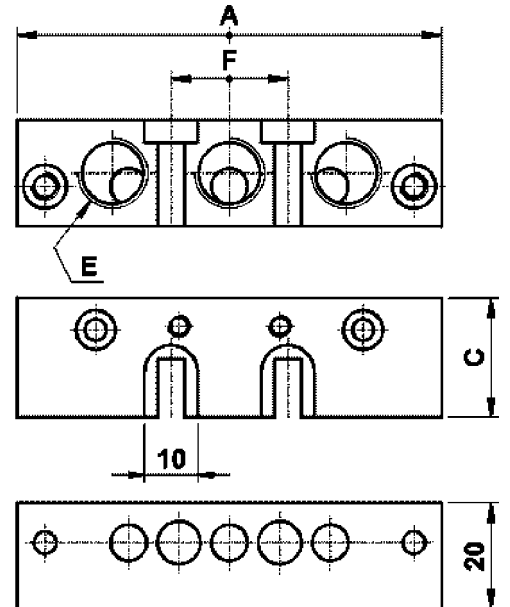


Each manifold assembly requires a right and left hand inlet header kit. Each inlet header is sold with all necessary components.

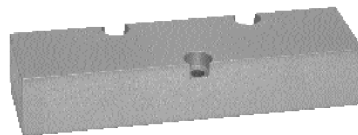
#### ORDER CODES

**00.024.3** right hand header for 1/8" manifolds  
**00.023.3** left hand header for 1/8" manifolds  
**01.045.4** right hand header for 1/4" manifolds  
**01.033.4** left hand header for 1/4" manifolds

	1/8"	1/4"
A	80	95
C	22.5	25
E	G1/4"	G3/8"
F	22	26.5



### blanking plate

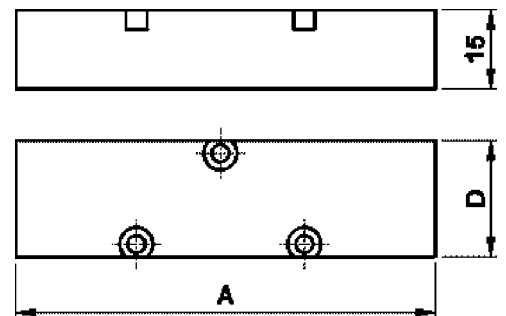


The blanking plate with gasket and screws is available to close manifold stations not in use.

#### ORDER CODES

**00.011.3** for 1/8" stations  
**01.007.3** for 1/4" stations

	1/8"	1/4"
A	80	95
D	22	25



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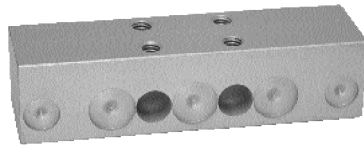
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## blanking piece



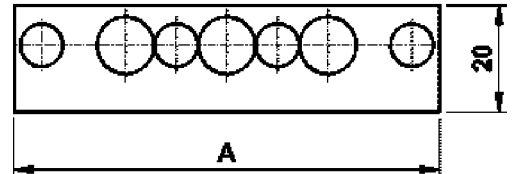
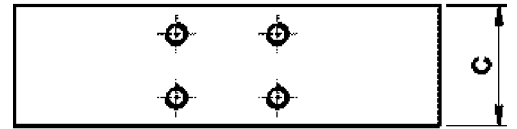
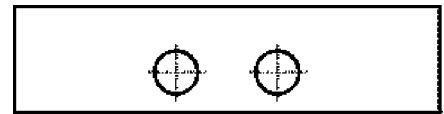
A blanking piece with gaskets is available to divide the manifold into separate zones.

### ORDER CODES

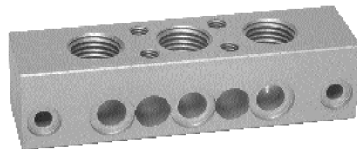
00.044.4 for 1/8" manifolds

01.048.4 for 1/4" manifolds

	1/8"	1/4"
A	80	95
C	22.5	25



## intermediate header



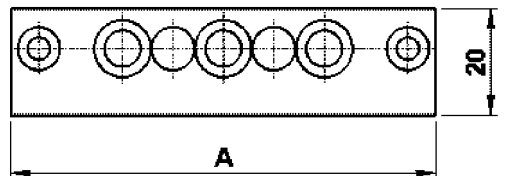
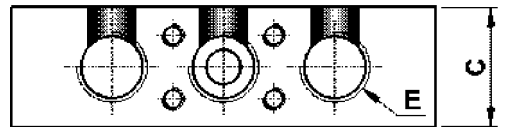
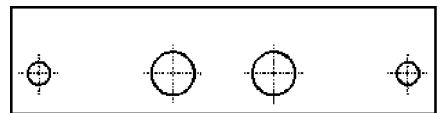
An intermediate header with separate air supply is available to be installed in a manifold system which requires mixed operating pressures.

### ORDER CODES

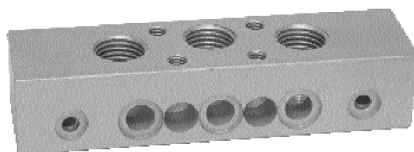
00.049.4 for 1/8" manifolds

01.047.4 for 1/4" manifolds

	1/8"	1/4"
A	80	95
C	22.5	25
E	G1/4"	G3/8"



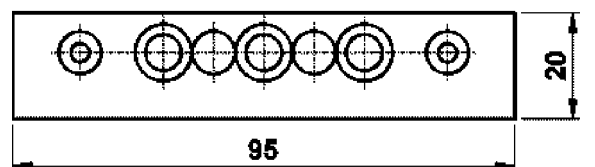
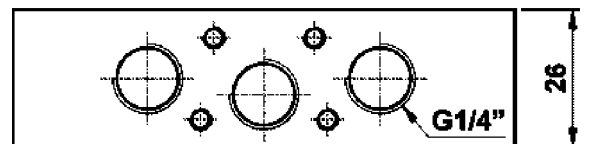
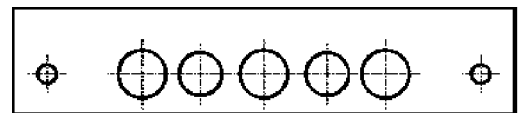
## interface



An interface with all necessary components is available to connect a manifold of 1/8" ports to a manifold of 1/4" ports.

### ORDER CODES

00.045.4 interface



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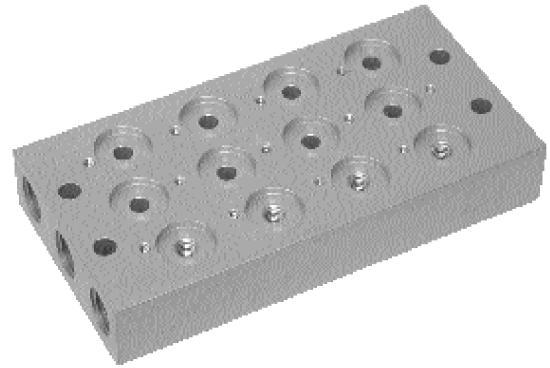
Email: sales@automationdirect.com.au Web: www.automationdirect.com.au

# Manifolds for Spool Valves

Pneumatics

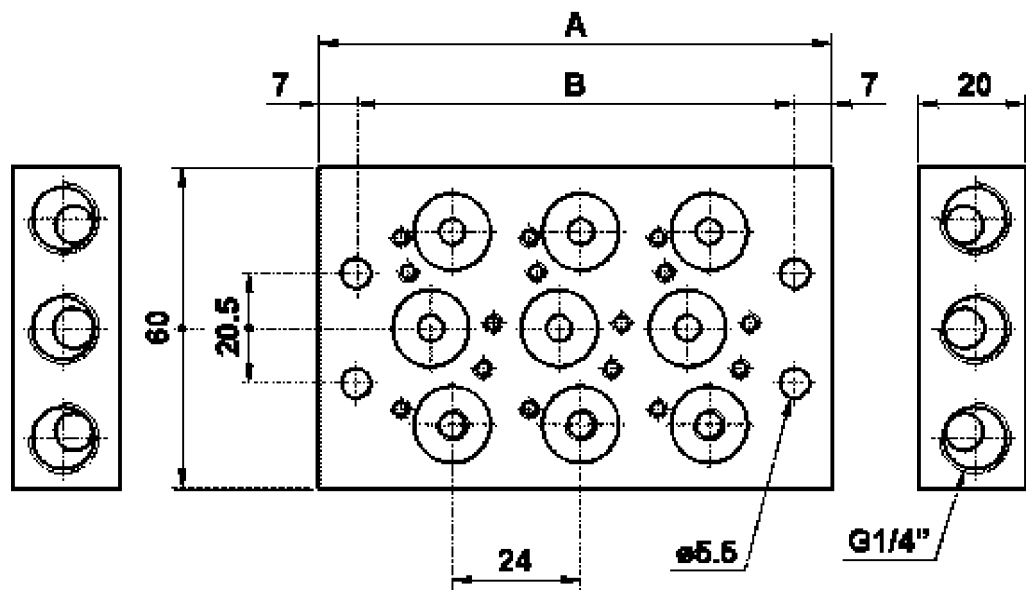


These manifolds can be used for the installation of three and five way valves, 1/8" or 1/4". Each manifold is sold with all necessary pieces for installation. Unused stations can be closed with a blanking plate.



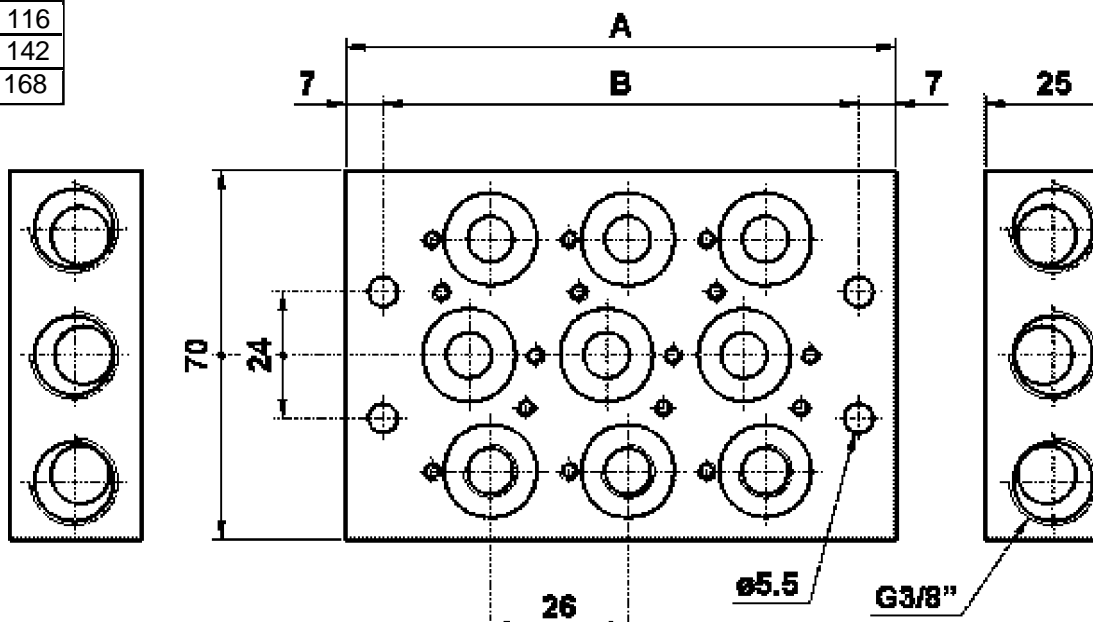
## 1/8"

model	no. station	A	B
00.054.2	4	120	106
00.055.2	5	144	130
00.056.2	6	168	154



## 1/4"

model	no. station	A	B
01.043.2	3	104	90
01.044.2	4	130	116
01.045.2	5	156	142
01.046.2	6	182	168



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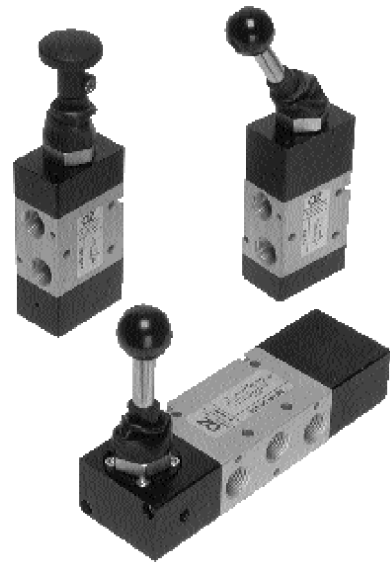
Asia Pacific Region

# Manually Actuated Valves

Pneumatics

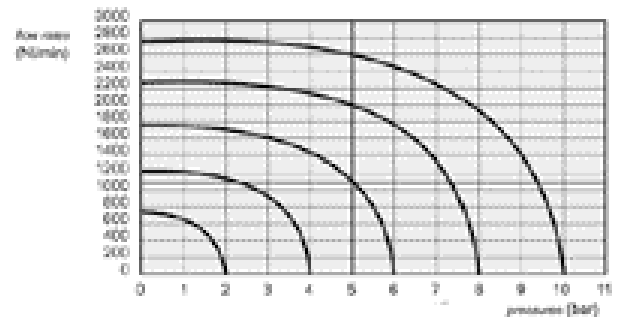
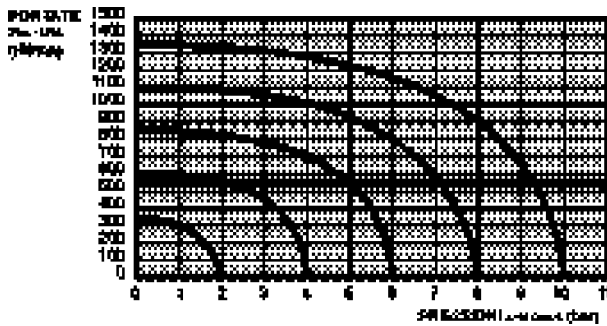


- 3/2-5/2-5/3 spool valves with G1/8"-G1/4" threaded ports
- Installation in any position
- Comprehensive range of actuations
- Version with adaptor for panel mounting (with q 22 hole)
- Special versions on request



### Materials

- Body: aluminium 11S
- Springs: stainless steel
- Seals: NBR
- Spool: nickel plated aluminium
- Internal parts: brass OT58



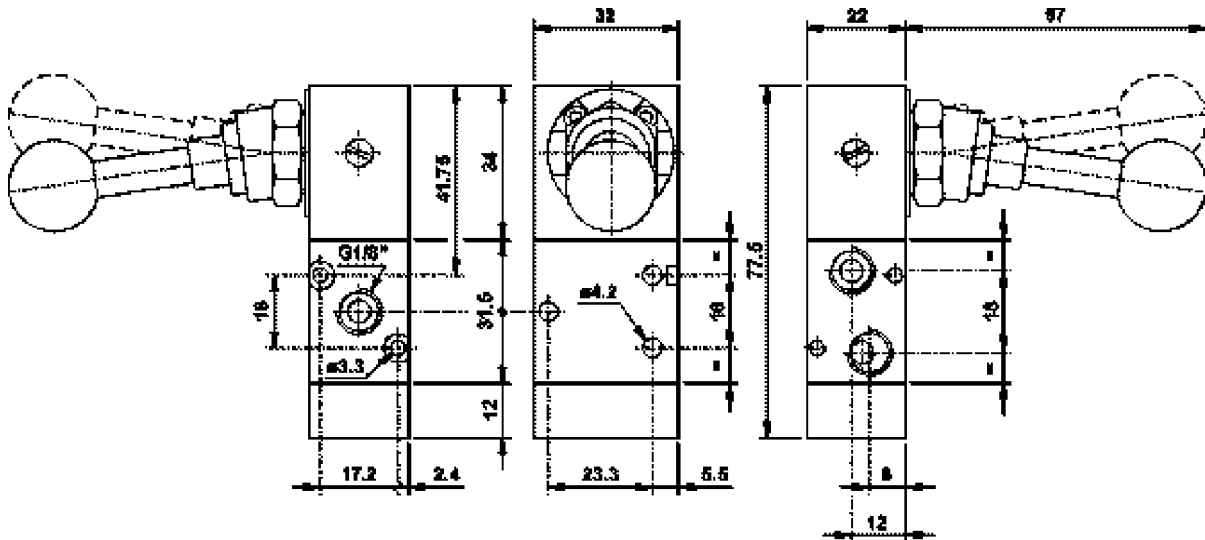
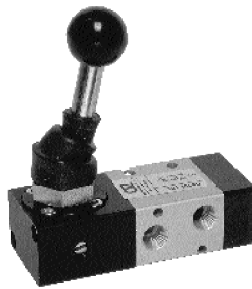
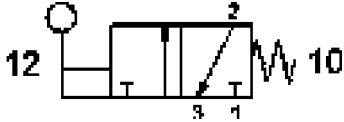
Nominal orifice		1/8" : 5 mm 1/4" : 7.5 mm		
Temperature range		max +60°C		
Working pressure		max 10 bar max 1 MPa		
Actuating force	1/8" monost.	1/4" monost.	1/8" bi-stable	1/4" bi-stable
	<b>15 N</b>	<b>20 N</b>	<b>10 N</b>	<b>15 N</b>
Fluid		50µ filtered, lubricated or non lubricated air		

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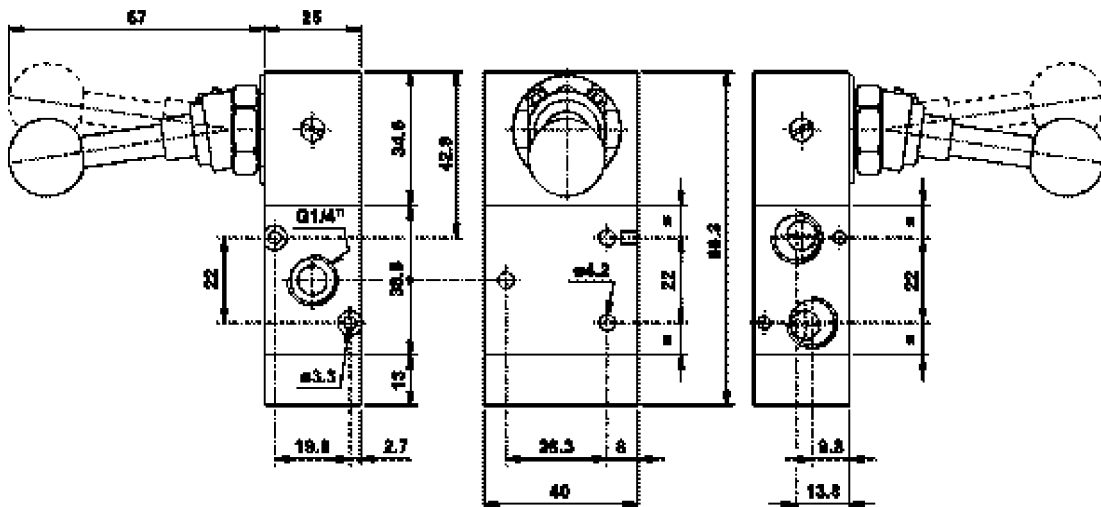
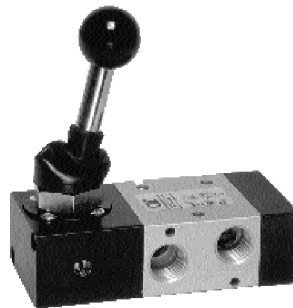
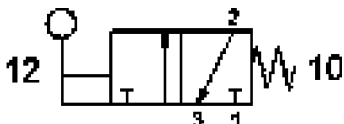
### 321 ML90

3/2 1/8" 90° lever - spring return



### 322 ML90

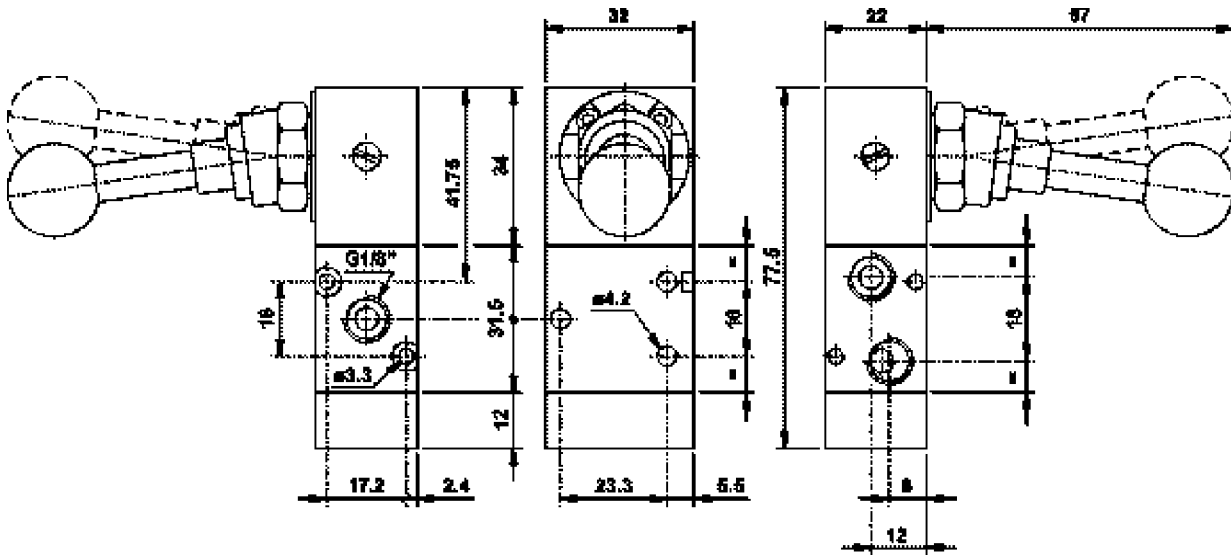
3/2 1/4" 90° lever - spring return





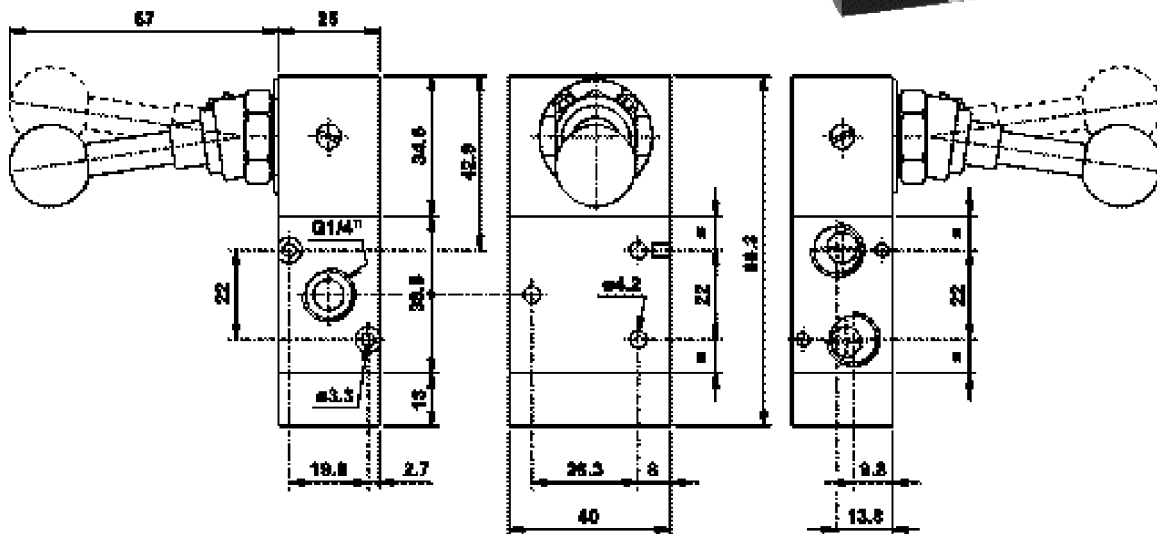
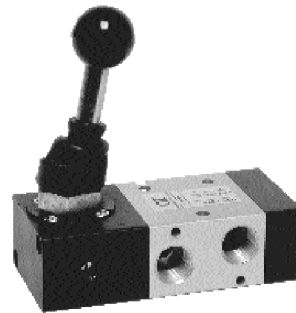
### 321 LL90

3/2 1/8" 90° bi-stable lever



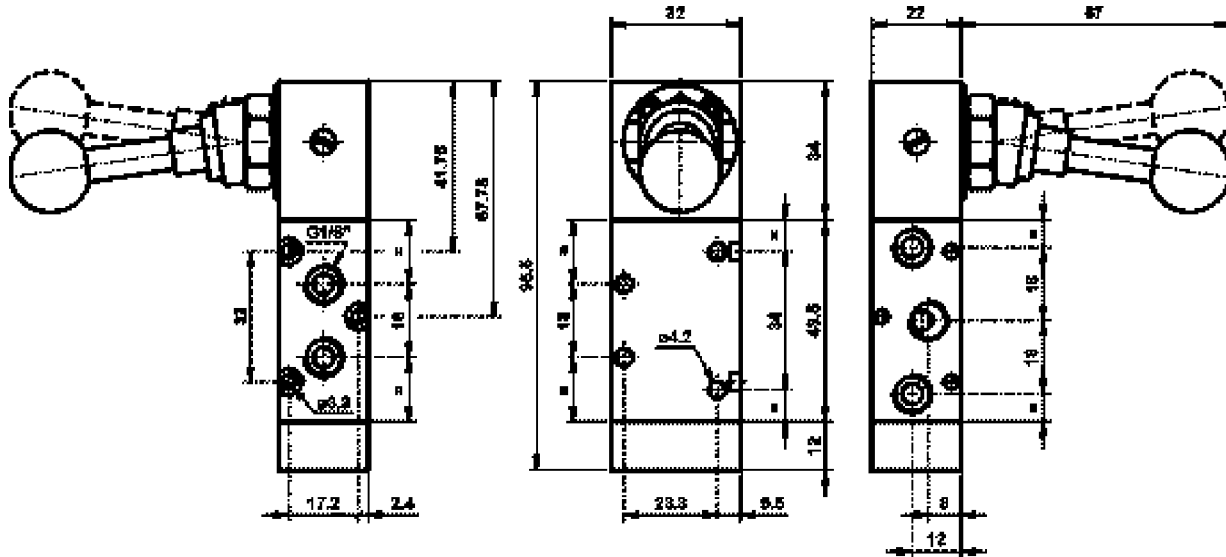
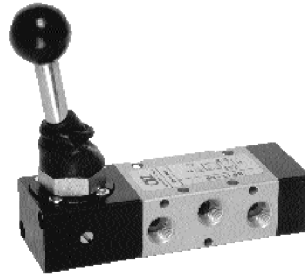
### 322 LL90

3/2 1/4" 90° bi-stable lever



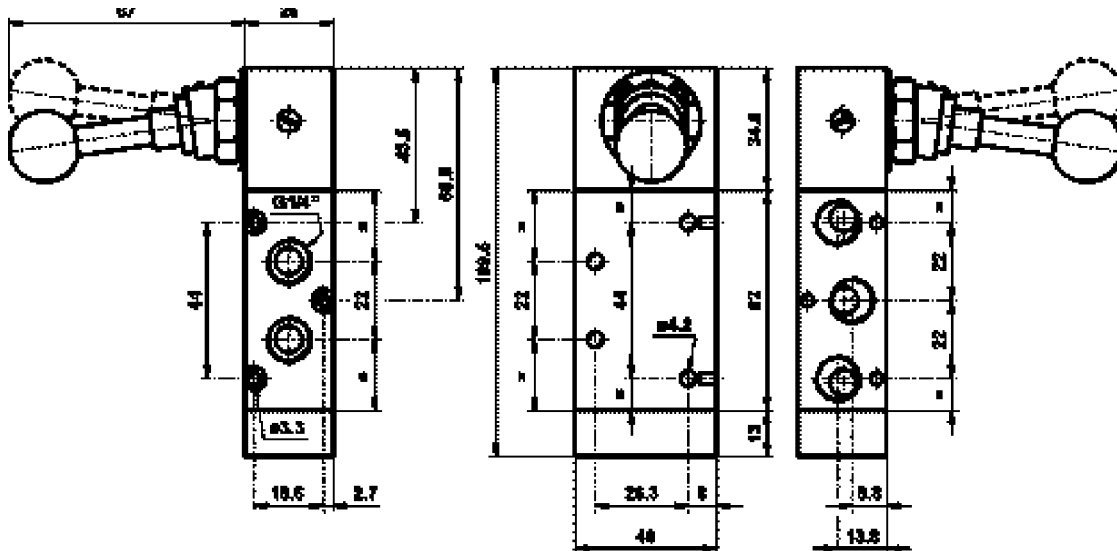
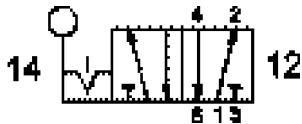
## 521 LL90

5/2 1/8" 90° bi-stable lever



## 522 LL90

5/2 1/4" 90° bi-stable lever



## Pedal Valves

Pneumatics



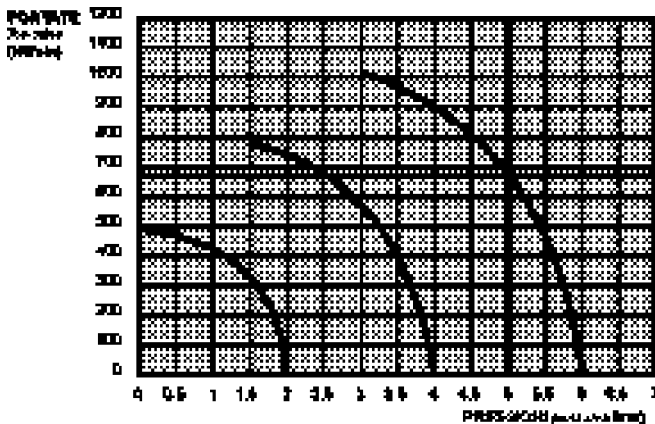
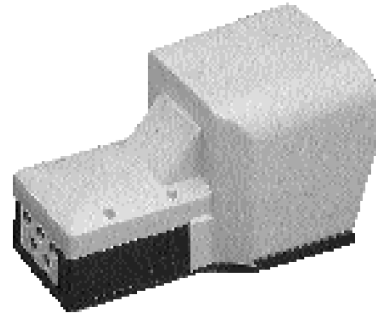
5/2 spool valve - it can be used as 3/2 or 2/2 by plugging the unused ports

G1/4" threaded ports

With or without protective cover

Mono-stable and bi-stable

Version with three way microvalve



### Materials

Body: aluminium 11S

Spring: stainless steel

Seals: NBR

Spools: nickel plated aluminium

Internal parts: brass OT58

Protective cover: shock resistant plastic material

Nominal orifice	7.5 mm
Ports	G1/4"
Temperature range	max +60°C
Working pressure	2... bar 0.2... 1 MPa
Fluid	50µ filtered, lubricated or non lubricated air

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65 Railway Street

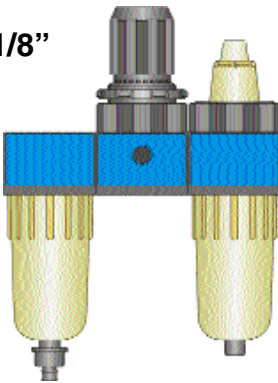
Mudgeeraba Qld Australia 4213

Tel: 61-7-55307799 Fax: 61-7-55252053

Email: sales@automationdirect.com.au Web: www.automationdirect.com.au

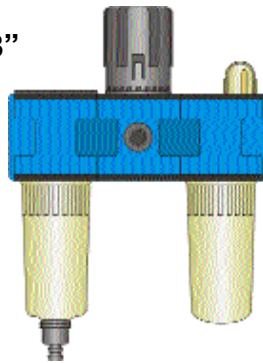
Asia Pacific Region

G1/8"



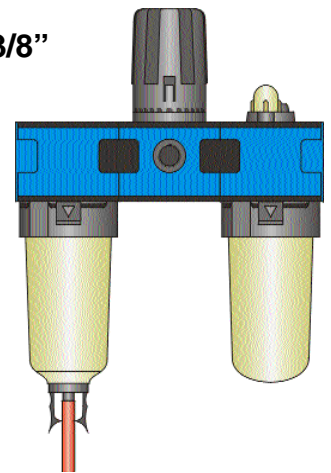
- Very small dimensions
- Flow rate: 600 NI/min
- Working pressure: 0 ... 8 bar  
0 ... 0.8 MPa
- Transparent bowl in reinforced polymer
- Semi-automatic moisture exhaust
- Sub-micro-filters with high performances
- Accessories on request

G1/8"



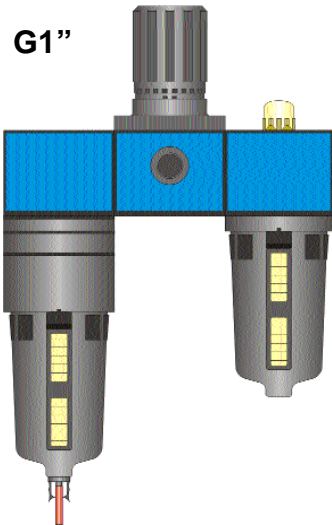
- High modularity
- Flow rate: 1000 NI/min
- Working pressure: 0 ... 8 bar  
0 ... 0.8 MPa
- Transparent bowl with protection on request
- Semi-automatic moisture exhaust  
(on request automatic exhaust)
- Sub-micro-filters with high performances
- Accessories on request

G3/8"



- High modularity
- Flow rate: 2000 NI/min
- Working pressure: 0 ... 8 bar  
0 ... 0.8 MPa
- Transparent bowl with protection on request
- Semi-automatic moisture exhaust  
(on request automatic exhaust)
- Sub-micro-filters with high performances
- Accessories on request

G1"



- High modularity
- Flow rate: 5000 NI/min
- Working pressure: 0 ... 10 bar  
0 ... 1 MPa
- Metal bowl
- Semi-automatic moisture exhaust  
(on request automatic exhaust)
- Accessories on request

## Flow Regulators

### Uni-directional flow regulators

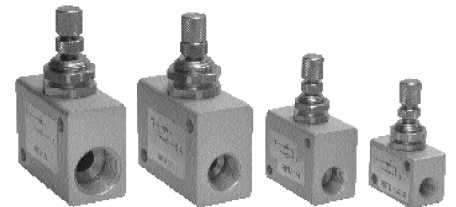
- Threaded ports from M5 to G1/2"
- In-line or panel mounting
- Version for precision regulation

### Materials

Body: aluminium 11S  
Spring: stainless steel  
Seals: NBR  
Internal parts: brass OT58

### Model No

RFU M5    RFU 1/8.1    RFU 1/4    RFU 3/8    RFU 1/2



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