

Valves Series

Solenoid Valves



01V

Pg. 18.3

Inox Solenoid Valves



X1V

Pg. 18.42

Solenoid Valves



07V

Pg. 18.50

Namur Solenoid Valves



08V

Pg. 18.53

Miniature Electropilots U1



AA

Pg. 18.60

Universal Valves G1/8 - G1/4



CL - CM

Pg. 18.67

Rotary Hand Lever Valves



12V

Pg. 18.96

Micro Valves



AI JET

Pg. 18.99

Micro Valves



AI JET2

Pg. 18.104

16mm Valves - Mechanical and Manual Operators



CH

Pg. 18.107

Pedal Valves



AM

Pg. 18.110

FIELDBUS Valves Series

Fieldbus Electropneumatic Valves



16V

Pg. 18.114

Fieldbus Electropneumatic Valves



17V

Pg. 18.121

ISO Valves Series

Valves ISO 5599 - Size 1 - 2 - 3 - 4



BE

Pg. 18.156

COILS & CONNECTORS Series

Solenoid and Connectors



Coils & Connectors

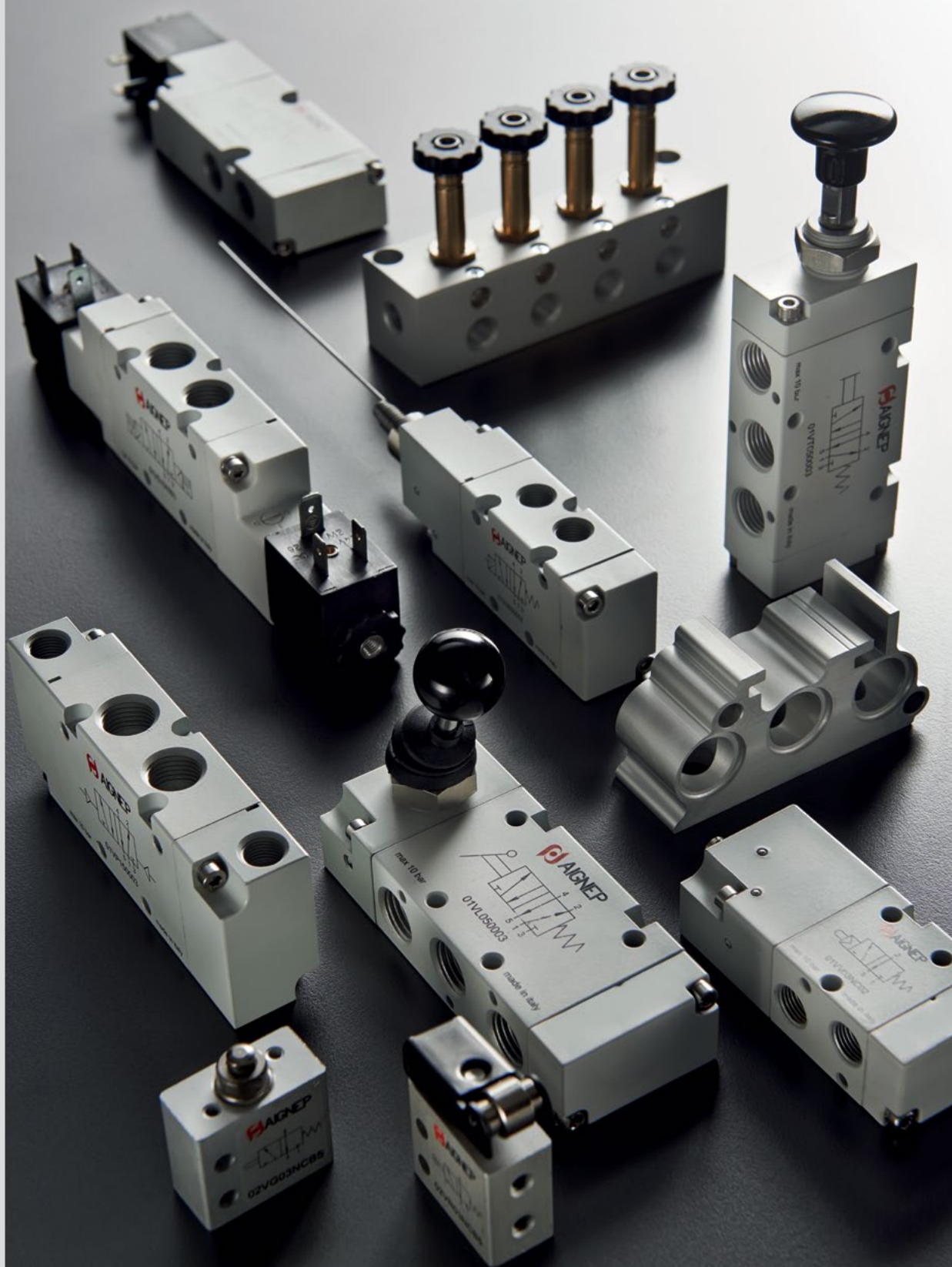
Pg. 18.169

Click here to view the **Valves Series** on our Website



MANUAL, PNEUMATIC, SOLENOID PILOT,
FIELDBUS AND ISO VALVES

Valves Series



SERIES AM - PNEUMATIC AND SOLENOID FOOT VALVES



AM - pneumatic and solenoid foot valves

- Double poppet system appreciated for its reliability and high flow rate
- Aluminium valve body and pedal lever assuring the max strenght
- Available with and without protection (in the latter case the protection is to be realized by the machine builder according to the current rules)
- Available with safety devices to prevent unintentional operations
- Available with pneumatic servo-assistance in case of minimum stress
- Electric foot valves with single or double microswitch complete the foot valve range



Fluid	filtered air 50 µm, with or without lubrication	
Temperature ambient	+14 ÷ +158°F	
Temperature fluid	+14 ÷ +122°F	
Commutation system	Poppet	
Ways/Position	2/2 NC, 3/2 NC, 2/2 NO, 3/2 NO, 5/2	
Pressure	Max 145 psi (10 bar)	
Control	pedal	
Return	mechanical spring, peda	
Connections	G1/8	G1/4
Nominal bore (mm)	.091 (2.3)	.315 (8)
Nominal flow rate (NI/min)	98	800

PNEUMATIC FOOT VALVE

Valve body	zamak
Lever pedale	aluminium
Pedal body and protection	plastic material with steel reinforcement plate
Seals	oil-resistant and wear-resistant compound
Spool	aluminium

SOLENOID FOOT VALVE

Valve body, lever foot, protection	dielectric plastic material
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Reference standard

II 2G Ex h IICT5 Gb

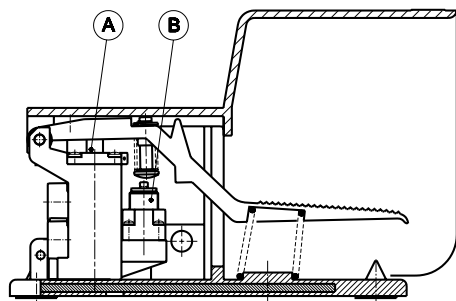


II 2D Ex h IICT100°C Db



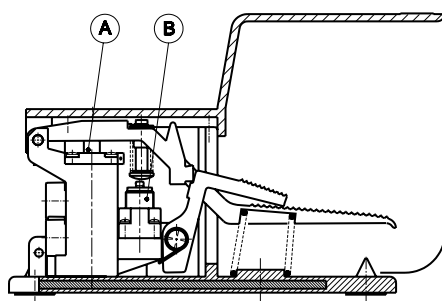
Functioning

Pedal with spring return



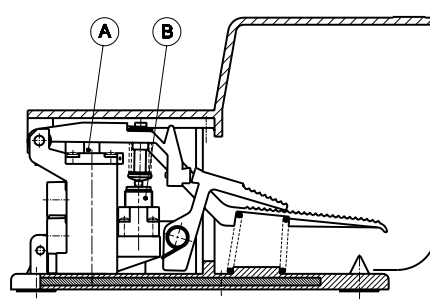
Direct operation A or pneumatic servo-assistance B.

Pedal with two positions (bistable)



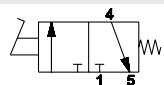
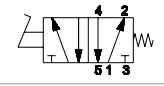
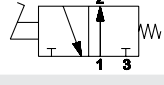
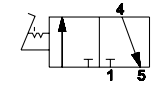
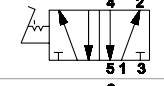
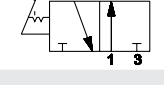
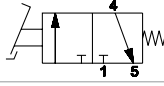
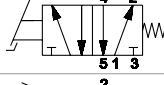
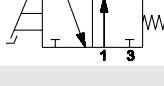
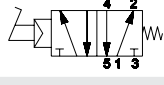
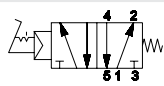
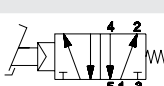
The pedal must be deeply pressed. The unlocking pedal brings the pedal back to the starting position.

Pedal with safety device

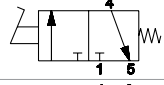
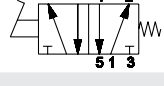
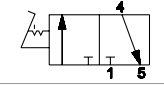
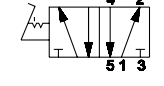


Operation is possible only by pushing both pedals at the same time. Pedals return to the starting position by releasing them. In this case unintentional operation is avoided.

PNEUMATIC FOOT VALVE WITH PROTECTION

Code	Way	Thread	Return	Force N	Weight Kg	
SPRING RETURN						
UAM 5000	3/2 NC	G 1/4	mechanical spring	20	2.76 (1.25)	
UAM 5001	5/2	G 1/4	mechanical spring	20	3.20 (1.45)	
UAM 5002	3/2 NO	G 1/4	mechanical spring	20	2.76 (1.25)	
PEDAL BISTABLE						
UAM 5003	3/2 NC	G 1/4	pedal	20	3.02 (1.37)	
UAM 5004	5/2	G 1/4	pedal	20	3.35 (1.52)	
UAM 5005	3/2 NO	G 1/4	pedal	20	3.02 (1.37)	
WITH SAFETY CONTROL						
UAM 5011	5/2	G 1/4	mechanical spring	20	3.20 (1.45)	
UAM 5012	3/2 NO	G 1/4	mechanical spring	20	2.76 (1.25)	
UAM 5015	3/2 NC	G 1/4	mechanical spring	20	2.76 (1.25)	
EXTERNAL OFORATION - SPRING RETURN						
UAM 5021	5/2	G 1/4	mechanical spring	20	3.20 (1.45)	
EXTERNAL OFORATION - BISTABLE						
UAM 5031	5/2	G 1/4	mechanical spring	20	3.20 (1.45)	
EXTERNAL OFORATION WITH SAFETY CONTROL						
UAM 5041	5/2	G 1/4	mechanical spring	20	3.20 (1.45)	

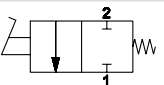
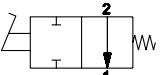
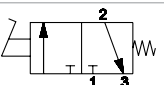
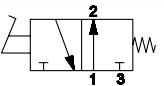
PNEUMATIC PEDAL WITHOUT A PROTECTIVE COVER

Code	Way	Thread	Return	Force N	Weight Kg	
SPRING RETURN						
UAM 5000A	3/2 NC	G 1/4	mechanical spring	20	2.76 (1.25)	
UAM 5001A	5/2	G 1/4	mechanical spring	20	3.20 (1.45)	
PEDAL BISTABLE						
UAM 5003A	3/2 NC	G 1/4	pedal	20	3.02 (1.37)	
UAM 5004A	5/2	G 1/4	pedal	20	3.35 (1.52)	

Other versions available on request.

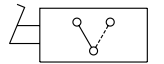
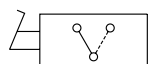
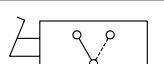
If this version is used, the user must ensure that the necessary safety measures are taken in accordance with current regulations.

PNEUMATIC FOOT VALVE G1/8 WITH PROTECTION

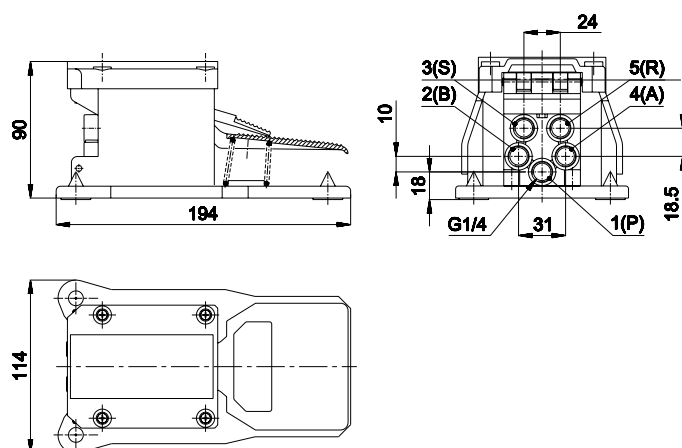
	Code	Way	Thread	Riturn	Force N	Weight Kg	
	UAM 5043B	2/2 NC	G 1/8	mechanical spring	20	2.12 (0.96)	
	UAM 5043D	2/2 NO	G 1/8	mechanical spring	20	2.12 (0.96)	
	UAM 5043	3/2 NC	G 1/8	mechanical spring	20	2.12 (0.96)	
	UAM 5043C	3/2 NO	G 1/8	mechanical spring	20	2.12 (0.96)	

Version without protection available on request

SOLENOID FOOT VALVE

	Code	Riturn	Force N	Weight Kg	
	UAM 5050	No electrical microswitch	20	1.90 (0.86)	
	UAM 5051	Electrical microswitch	20	2.03 (0.92)	
	UAM 5052	Double electrical microswitch	20	2.09 (0.95)	

PNEUMATIC FOOT VALVE WITH PROTECTION

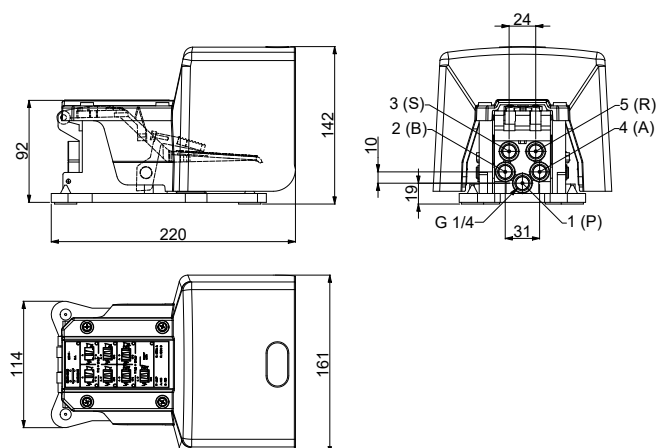


Threaded fittings for various applications:

3/2 NC			3/2 NO			5/2				
A	P	R	B	P	S	A	B	P	R	S
4	1	5	2	1	3	4	2	1	5	3

1 (P) = Supply port
2 - 4 (B-A) = Use
3 - 5 (S-R) = Exhaust

PNEUMATIC FOOT VALVE WITH PROTECTION

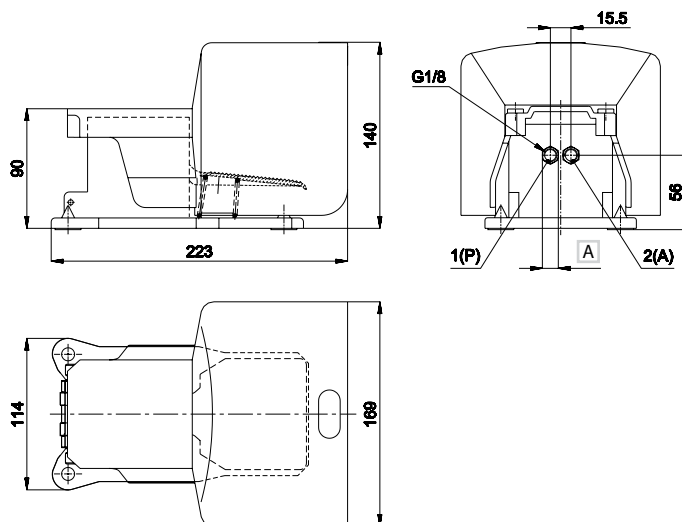


Threaded fittings for various applications:

3/2 NC			3/2 NO			5/2				
A	P	R	B	P	S	A	B	P	R	S
4	1	5	2	1	3	4	2	1	5	3

1 (P) = Supply port
2 - 4 (B-A) = Use
3 - 5 (S-R) = Exhaust

PNEUMATIC PEDAL WITHOUT A PROTECTIVE COVER

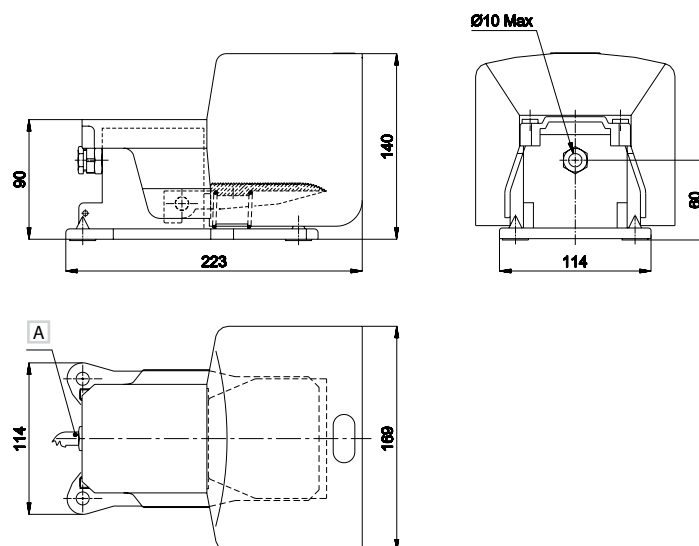


Threaded fittings for various applications:

2/2 NC		2/2 NO		3/2 NC			3/2 NO		
A	P	B	P	A	P	R	B	P	S
4	1	2	1	4	1	5	2	1	3

A = Wrench 12
1 (P) = Supply port
2 (A) = Use

SOLENOID FOOT VALVE



A = Electrical cable