

# AM

## Pneumatic and electric foot valves

- Double poppet system appreciated for its reliability and high flow rate
- Aluminium valve body and pedal lever to 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



### TECHNICAL CHARACTERISTICS

Ambient temperature	-10 ÷ +70 °C	
Fluid temperature	-10 ÷ +50 °C	
Fluid	not dehumidified filtered air 50 µm, lubricated or not	
Commutation system	poppet system	
Ways/Positions	<b>2/2 NC, 3/2 NC, 2/2 NO, 3/2 NO, 5/2</b>	
Pressure	max 10 bar	
Control	pedal	
Return	mechanical spring, pedal	
Connections	G1/8	G1/4
Nominal Ø (mm)	2,3	8
Nominal flow rate (NI/min)	98	800

### CONSTRUCTIVE CHARACTERISTICS

#### PNEUMATIC FOOT VALVE:

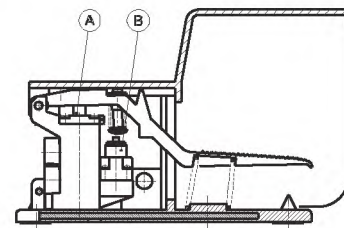
Valve body	die-cast zamak
Foot valve lever	aluminium
Pedal body and protections	nylon with steel reinforcing plate
Seals	oil/wear-resistant compound
Spool	aluminium

#### ELECTRIC FOOT VALVE:

Valve body, foot valve lever, protections	dielectric plastic material
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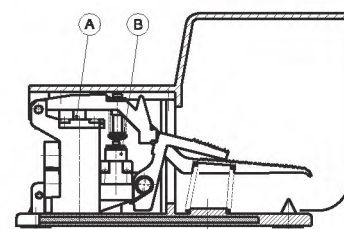
### Functioning

#### Pedal with spring return



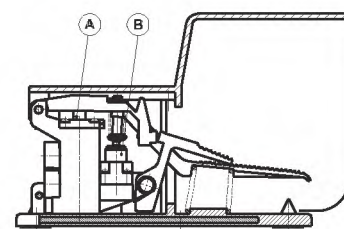
Direct operation A or pneumatic servo-assistance B.

#### 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.