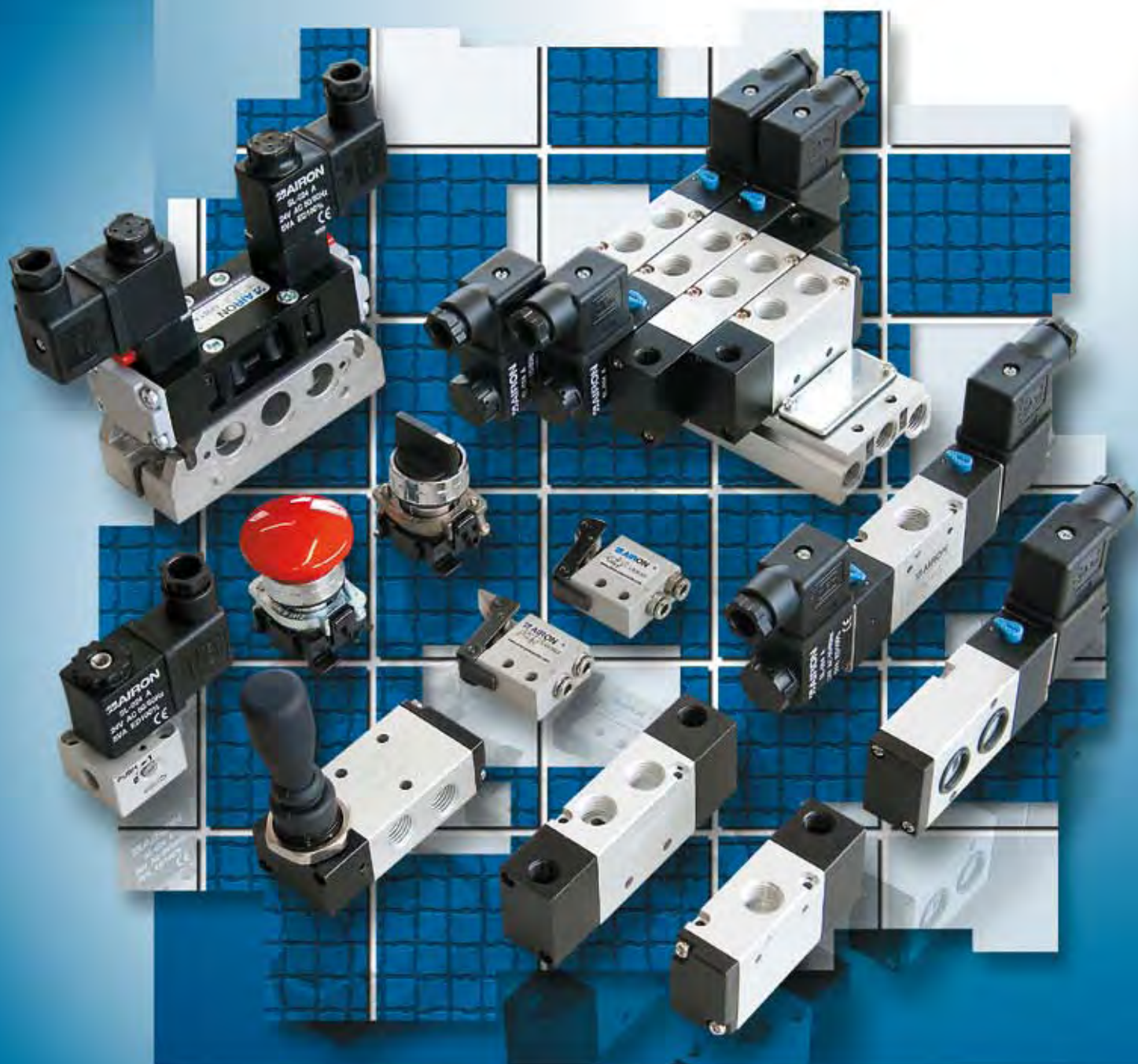




**VALVOLE AD AZIONAMENTO ELETTROPNEUMATICO,
PNEUMATICO, MANUALE, MECCANICO ED ACCESSORI**
*SOLENOID VALVES, PNEUMATIC PILOT VALVES,
MANUALLY VALVES, MECHANICAL VALVES AND
ACCESSORIES*

MICROVALVOLE - MICROVALVES

V serie - series



Le microvalvole della serie "V..." sono dei distributori pneumatici a 3/2 a comando meccanico con funzione n.c. e n.a., che con appositi attuatori diventano delle valvole ad azionamento manuale con la possibilità di eseguire funzioni 5/2 e 5/3 mono, bistabili, centri chiusi, centri aperti e centri in pressione.

Di serie le valvole sono provviste di attacchi rapidi per tubo 4 posizionati sul fondo del corpo. A richiesta (sostituendo nel codice il numero 4 con il numero 5) vengono fornite con attacchi filettati M5, aggiungendo nel codice la lettera L, gli attacchi per tubo 4 o M5 vengono posizionati a lato del corpo.

"V" series microvalve are 3/2 mechanical pilot valves available in the normally open or normally closed versions. With specific brackets and levers or buttons they can be used like 5/2 or 5/3 (closed center or pressurized centers) valves in order to pilot bigger valves or control signals.

Standard version is available with 4 mm tube fittings on the bottom of the body.

On request (changing the final letter of the order code) they can be supplied with ports M5 and adding L, ports can be supplied on the side of the body.

Informazioni tecniche - Technical information

Fluido: aria filtrata 25 µm lubrificata o non lubrificata (se lubrificata usare olio per circuiti pneumatici).

Fluid: filtered air 25 µm lubricated or not lubricated (when lubricated use oil for pneumatic circuits).

Temperatura di esercizio - Temperature range: -10 °C ÷ +60 °C

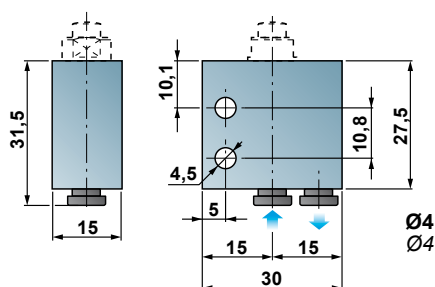
Pressione di esercizio - Working pressure: 2 ÷ +10 bar (0,2 ÷ 1 MPa)

Portata nominale - Nominal flow rate: 100 NI/min

Forza di azionamento - Actuating force: 6 N

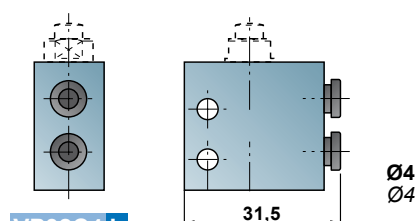
VP32C4. Con attacchi ad innesto rapido per tubo Ø4

Automatic fittings Ø4 tube



VP32C4

Versione standard (con attacchi sotto)
Standard version (with ports on the bottom)

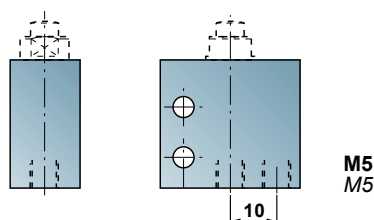


VP32C4 L

Versione a richiesta con attacchi laterali
On request (with ports on the side)

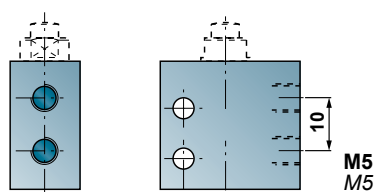
VP32C5. Con attacchi filettati M5

M5 threaded ports



VP32C 5

Versione a richiesta con attacchi filettati sul fondo
On request with threaded ports on the bottom



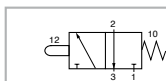
VP32C 5L

Versione a richiesta con attacchi filettati laterali
On request with threaded ports on the side

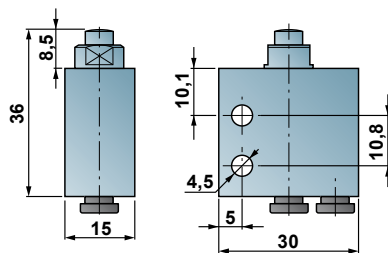
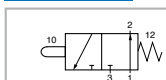
VP ..

Microvalvole 3/2 a puntale
3/2 microvalves with push button

VP32C4



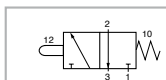
VP32A4



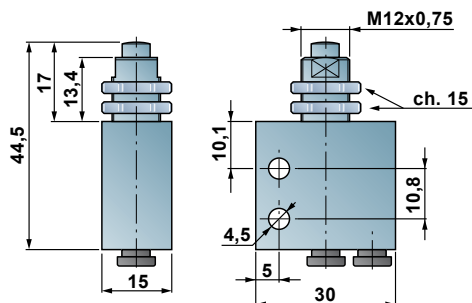
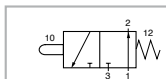
VPP ..

Microvalvole 3/2 a puntale passaparete
3/2 microvalves with bulkhead push button

VPP32C4



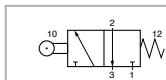
VPP32A4



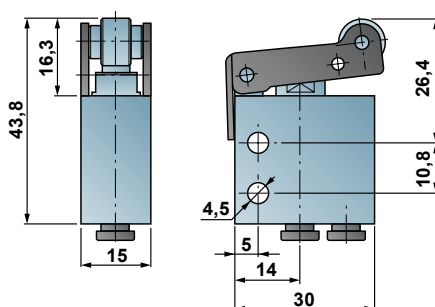
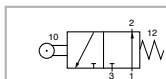
VR ..

Microvalvole 3/2 a leva rullo
3/2 microvalves with roller lever

VR32C4



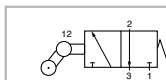
VR32A4



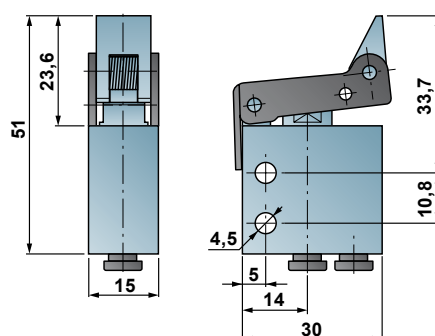
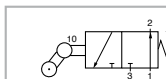
VU ..

Microvalvole 3/2 a leva unidirezionale
3/2 microvalves with uni-directional lever

VU32C4

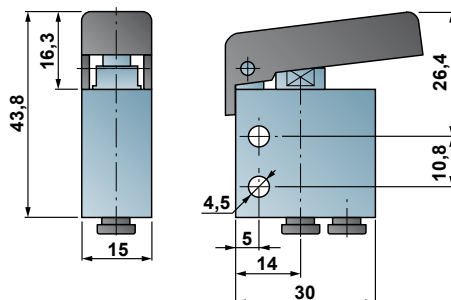


VU32A4



VT ..

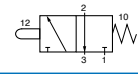
Microvalvole a tasto manuale
Microvalves with manual push button



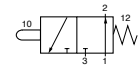
Di serie la valvola viene fornita con il tasto nero; a richiesta può avere il tasto verde, giallo o rosso aggiungendo alla fine del codice rispettivamente V, G, R (Esempio: VT324CR = valvola con tasto ROSSO).

Standard version is supplied with black lever colour. On request it's available in green, yellow or red colour. It's enough to add at the end of the code the letters V, G, R (Example: VT324CR = valve with RED push button).

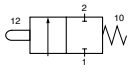
VT32C4



VT32A4

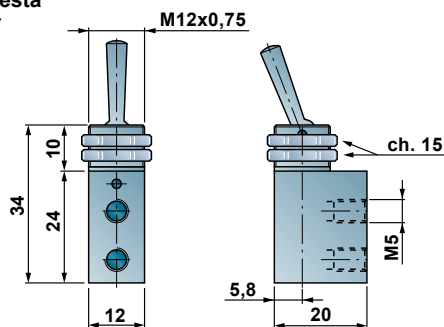


VT22C4



VL32L5

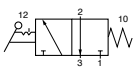
Microvalvola a leva in testa
Microvalve with top lever



Materiali e dotazioni standard - Materials and standard accessories

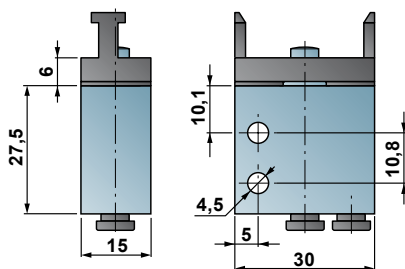
Materiale corpo: ... ottone nichelato **Material of the body:** nickel plated brass

VL32L5

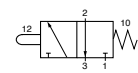


VB3 ..

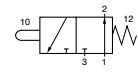
Microvalvola a puntale con interfaccia per attuttore da pannello
Microvalve completed with brackets



VB32C4

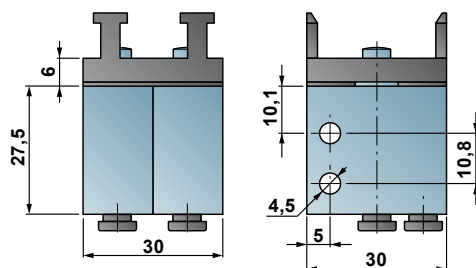


VB32A4

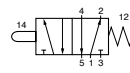


VB5 ..

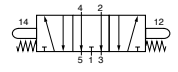
Microvalvole a puntale con interfaccia per attuttore da pannello
Microvalves completed with brackets



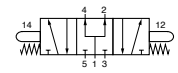
VB52M4



VB53A4



VB53P4



ATTUATORI PER MICROVALVOLE - ACTUATORS FOR MICROVALVES

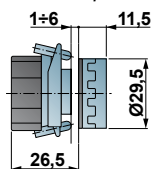
Gli attuatori da pannello sono dei dispositivi per l'azionamento manuale delle microvalvole adatti ad essere installati in quadri di comando delle macchine.

Nella tabella che segue, viene specificata il tipo di valvola da abbinare all'attuatore scelto per ottenere la funzione desiderata.

Valves for Panel Mounting are valves of "V" series with lever or button device in order to be mounted on control panels of the automatic machines. The following table is useful to understand which valve to choose in the catalogue for the specific need.

Pulsante protetto monostabile Monostable protected push-button

PP.

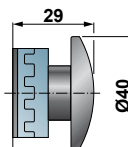


Codice Code	Descrizione Description	Colore Colour
----------------	----------------------------	------------------

PPN	Monostabile - Monostable	NERO - Black
PPR	Monostabile - Monostable	ROSSO - Red
PPB	Monostabile - Monostable	BIANCO - White
PPV	Monostabile - Monostable	VERDE - Green

Fungo Ø40 monostabile Monostable Ø40 mushroom

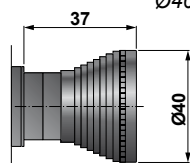
PFR



Codice Code	Funzione Function	Descrizione Description	Colore Colour
PFR	←	Monostabile assiale Axial monostable	ROSSO Red

Fungo Ø40 Ø40 mushroom

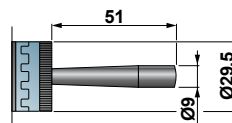
PBR



Codice Code	Funzione Function	Descrizione Description	Colore Colour
PBR	↻	Sblocco a rotazione Turn to unlock	ROSSO Red

Selettore a leva monostabile Monostable lever selector

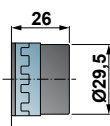
LR



Codice Code	Funzione Function	Descrizione Description	Colore Colour
LR	↔	Monostabile Monostable	ROSSO Red

Selettore leva corta Short lever selector

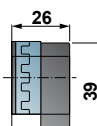
SC...



Codice Code	Funzione Function	Descrizione Description	Colore Colour
SC01B	0 1	Bistabile Bistable	NERO Black
SC01M	0 ↔ 1	Monostabile Monostable	NERO Black
SC102B	2 0 1	Stabile Stable	NERO Black
SC102M	2 → 0 ↔ 1	Monostabile Monostable	NERO Black

Selettore leva lunga Long lever selector

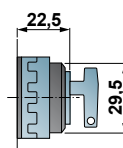
SL...



Codice Code	Funzione Function	Descrizione Description	Colore Colour
SL01B	0 1	Bistabile Bistable	NERO Black
SL01M	0 ↔ 1	Monostabile Monostable	NERO Black
SL102B	2 0 1	Stabile Stable	NERO Black
SL102M	2 → 0 ↔ 1	Monostabile Monostable	NERO Black

Selettore a chiave bistabile Bistable key selector

SCH



Codice Code	Funzione Function	Descrizione Description	Colore Colour
SCH	0 1	Bistabile Bistable	NERO Black

Combinazioni per attuatori da pannello - Combination for actuators panel

COMBINAZIONI PER PULSANTE PROTETTO COMBINATION FOR PROTECTED PUSH BUTTON

VALVOLA VALVE	ATTUATORE ACTUATOR	FUNZIONE FUNCTION
VB32C4	+ PP.	
VB32A4	+ PP.	
VB52M4	+ PP.	

COMBINAZIONI PER FUNGO Ø40 MONOSTABILE ASSIALE COMBINATION FOR Ø40 MUSHROOM AXIAL MONOSTABLE

VALVOLA VALVE	ATTUATORE ACTUATOR	FUNZIONE FUNCTION
VB32C4	+ PFR	
VB32A4	+ PFR	
VB52M4	+ PFR	

COMBINAZIONI PER FUNGO Ø40, SBLOCCO A ROTAZIONE COMBINATION FOR Ø40 PALM, ROTATION UNBLOCK

VALVOLA VALVE	ATTUATORE ACTUATOR	FUNZIONE FUNCTION
VB32C4	+ PBR	
VB32A4	+ PBR	
VB52M4	+ PBR	

COMBINAZIONI PER SELETTORE A LEVA MONOSTABILE COMBINATION FOR MONOSTABLE LEVER SELECTOR

VALVOLA VALVE	ATTUATORE ACTUATOR	FUNZIONE FUNCTION
VB32C4	+ LR	
VB32A4	+ LR	
VB52M4	+ LR	

COMBINAZIONI PER SELETTORE LEVA CORTA COMBINATION FOR SHORT LEVER SELECTOR

VALVOLA VALVE	ATTUATORE ACTUATOR	FUNZIONE FUNCTION
VB32C4	+ SC01M	
VB32A4	+ SC01M	
VB32C4	+ SC01B	
VB32A4	+ SC01B	
VB52M4	+ SC01M	
VB52M4	+ SC01B	
VB53A4	+ SC102M	
VB53P4	+ SC102M	
VB53A4	+ SC102B	
VB53P4	+ SC102B	

COMBINAZIONI PER SELETTORE LEVA LUNGA COMBINATION FOR LONG LEVER SELECTOR

VALVOLA VALVE	ATTUATORE ACTUATOR	FUNZIONE FUNCTION
VB32C4	+ SL01M	
VB32A4	+ SL01M	
VB32C4	+ SL01B	
VB32A4	+ SL01B	
VB52M4	+ SL01M	
VB52M4	+ SL01B	
VB53A4	+ SL102M	
VB53P4	+ SL102M	
VB53A4	+ SL102B	
VB53P4	+ SL102B	

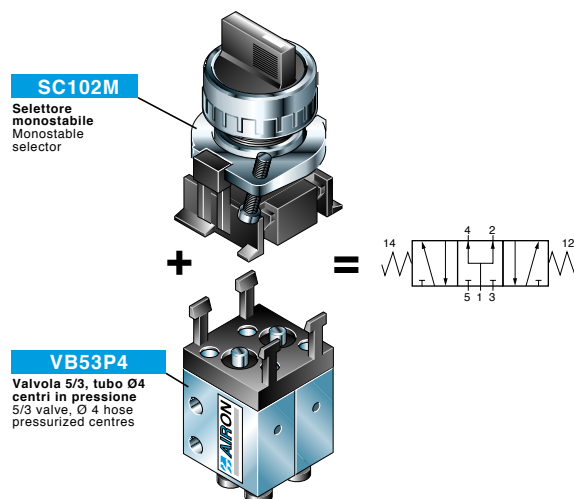
COMBINAZIONI PER SELETTORE A CHIAVE BISTABILE COMBINATION FOR BISTABLE KEY SELECTOR

VALVOLA VALVE	ATTUATORE ACTUATOR	FUNZIONE FUNCTION
VB32C4	+ SCH	
VB32A4	+ SCH	
VB52M4	+ SCH	

Esempio di combinazione - Example of combination

Esempio di combinazione tra la microvalvola VB53P4 con funzione 5/3 a centri in pressione e l'attuatore da pannello SC102M a leva che aziona la microvalvola meccanica sulle tre posizioni con riposizionamento al centro (monostabile).

Example of combination between VB53P4 valve with 5/3 working with pressurized centres and SC102M actuator for panel mounting that operate on the mechanical microvalve on 3 positions with central return (monostable).



Componenti Pneumatici
Pneumatic Components



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COMPONENTI PNEUMATICI



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