


 $C_v = .06$
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Series 2 Mechanically Operated Minivalves

3-way/2-position
Ports M5, cartridge \varnothing 4 mm
(10-32 UNF, 5/32" O.D.)

The mechanically operated Series 2 miniature valves with 3-way/2-position normally closed function are available with M5 threaded ports or with an integrated super-rapid fitting for diameter 4 mm tubes (5/32" OD).

The devices are actuated by a plunger, roller/lever or a unidirectional lever. These miniature valves have been designed to satisfy the application requirements of the controls industry, paying particular attention to the features which these components must have, i.e.:

- short operational stroke
- small dimensions
- fast and accurate signal

Operating phases (see individual dimension drawings):

A = total stroke

B = pre-stroke (closes exhaust)

C = effective stroke (opens outlet)



TECHNICAL SPECIFICATIONS

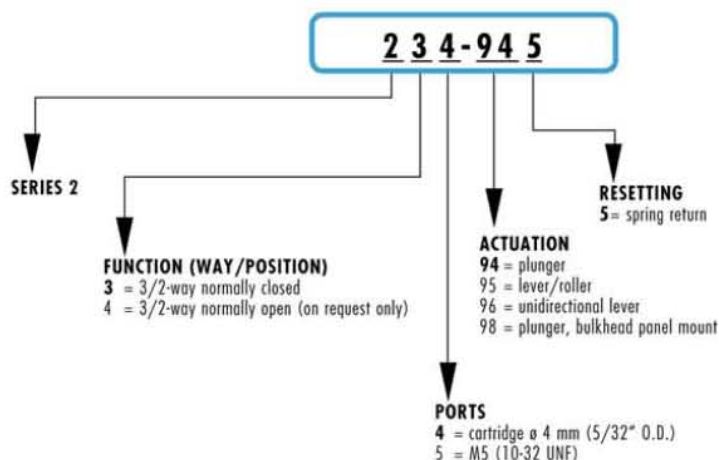
Valve group	3-way/2-position
Construction	Poppet type
Mounting	On consoles
Material	Anodized body, Brass poppet gate, Buna-N seals, nickel-plated brass plungers
Threaded port sizes	M5 (10-32 UNF) thread, or 4 mm O.D. cartridge (5/32" O.D. tube connect)
Installation	Bulkhead, or single panel mount
Operating temperature	32° F - 175° F, (dry air necessary down to -4° F)
Fluid	Filtered air (25 micron or less recommended)
Lubricant	Not required; otherwise, only oil compatible with Buna-N, (3° - 10° E), (ISOVG 32 grade; 32 centistokes)

PNEUMATIC DATA

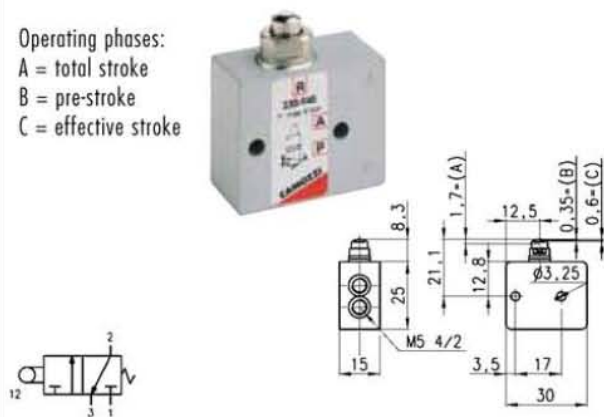
Operating pressure	2 - 10 bar, (30 - 145 psi)
Nominal pressure	6 bar, (87 psi)
Nominal flow	*Qn = 60 NL/min. (2.12 SCFM)
Nominal diameter	2.5 mm
Cv Rating	0.06

*Qn flowrate (SCFM) determined with a supply pressure of 6 bar, (87 psi), and with a pressure drop of 1 bar, (14.5 psi).

**Dimensions are in millimeters


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CODING OF MINIVALVES

Minivalves Mod. 235-945 and Mod 234-945 $C_v = .06$

Actuating force at 6 bar (87 psi) = 6N (1.35 lbs.)

 Operating phases:
 A = total stroke
 B = pre-stroke
 C = effective stroke

Minivalves Mod. 235-985 and Mod 234-985 $C_v = .06$

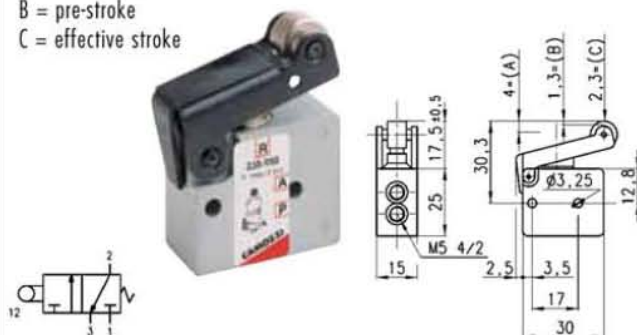
Actuating force at 6 bar (87 psi) = 6N (1.35 lbs.)

 Operating phases:
 A = total stroke
 B = pre-stroke
 C = effective stroke

Minivalves Mod. 235-955 and Mod. 234-955 $C_v = .06$

Actuating force at 6 bar (87 psi) = 4N (.90 lbs.)

Note: roller and plunger are made of nickle-plated brass.

 Operating phases:
 A = total stroke
 B = pre-stroke
 C = effective stroke

Minivalves Mod. 235-965 and Mod 234-965 $C_v = .06$

Actuating force at 6 bar (87 psi) = 4N (.90 lbs.)

Note: roller and plunger are made of nickle-plated brass.

 Operating phases:
 A = total stroke
 B = pre-stroke
 C = effective stroke

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MECHANICAL VALVES