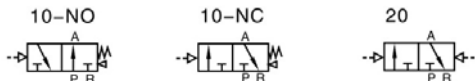


The M3A-Series In-line 3/2 Air actuated valves provide an extensive range of flow options at low prices. The range may be used Lubrication free and be Manifold Mounted for multi-task applications. The Solenoid versions feature interchangeable coils and push/twist—lock Manual Overrides.



Symbols



Product Features

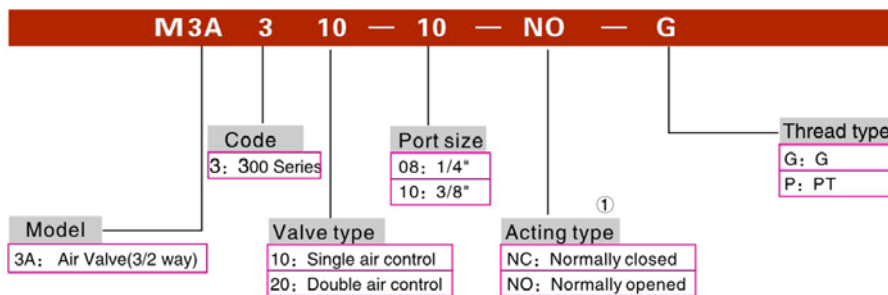
1. Air pilot operated valve series.
2. Spool type, with low leakage and low friction action.
3. Double air valves have position memory using seal friction to retain the spool position.
4. Special manufacturing techniques ensure low start pressure and long service life.
5. Maybe used lubrication free.
6. The valve range may be manifold mounted for space saving and to reduce installation costs.

Specification

Model	3A310-08	3A320-08	3A310-10	3A320-10
Fluid	Air (to be filtered by 40um filter element)			
Acting	Exterior control			
Port size ①	In=Out=1/4"		In=Out=3/8"	
Orifice size	254.0mm <sup>2</sup> (Cv=1.39)		30.0mm <sup>2</sup> (Cv=1.67)	
Valve type	3 port 2 position			
Lubrication ②	Not required			
Operating pressure	0.15-0.8MPa(21-114Psi)			
Proof pressure	1.5MPa(215Psi)			
Temperature °C	-20-70			
Material of body	Aluminum alloy			
Max. frequency ③	5 cycle/sec			

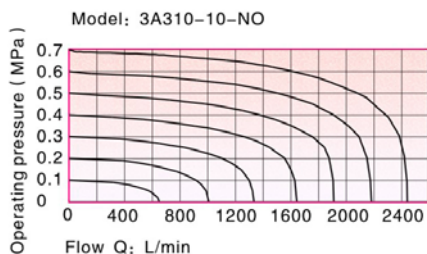
1. G (BSP) threads are standard (NPT threads are available as an option on request)
2. If lubrication is preferred, lubricants similar to ISO VG32 or equivalent are recommended.
3. The maximum actuation frequency is for the valve only (no load condition).

Model/Ordering Codes

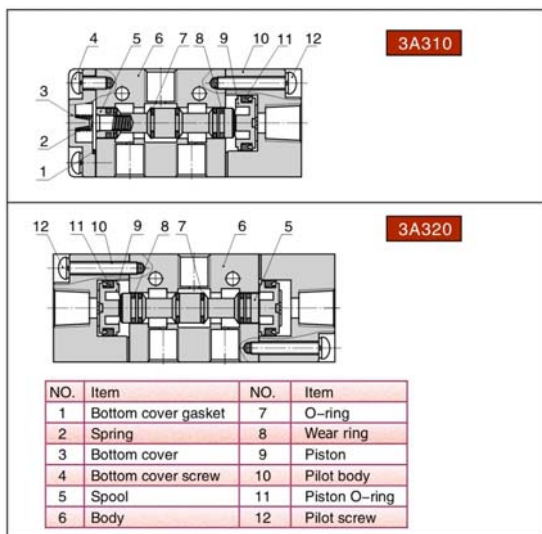


1. 2 position double air pilot versions have no difference between NO and NC, thus leave the code blank Refer to In-line Valve Manifold section for mounting options

Flow chart



Inner structure



Dimensions

