

SOLENOID VALVE(3/2 WAY)

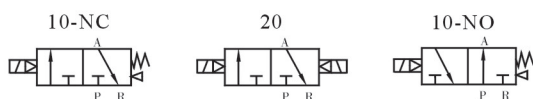
3V200 SERIES



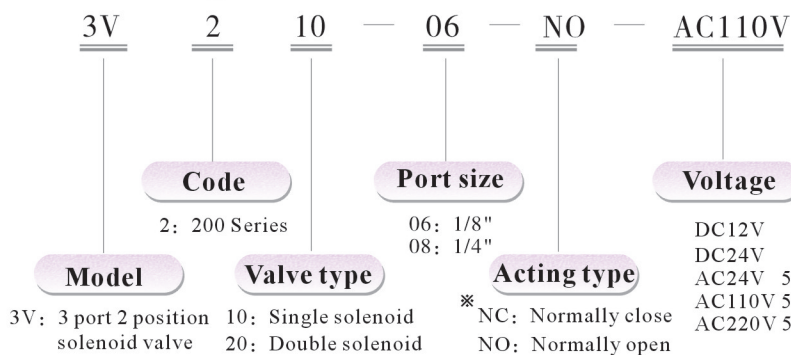
Specification

Model	3V210-06	3V220-06	3V210-08	3V220-08
Fluid	Air (to be filtered by 40 μ filter element)			
Acting	Internally piloted			
Port size	In=Out=1/8"		In=Out=1/4"	
Valve type	3 port 2 position			
Temperature	-5~60°C (23~140°F)			
Orifice size	14mm ² (Cv=0.78)		16mm ² (Cv=0.89)	
Lubrication	Not required			
Operating pressure	1.5~8.0 bar (0.15~0.8MPa)(21~114Psi)			
Proof pressure	12.0 bar (1.2MPa)(170Psi)			
Power consumption	AC220V: 2.0VA、AC110V: 2.5VA AC24V:3.5VA、DC24V: 3.0W、DC12V:2.5W			
Protection	IP65 (DIN40050)			
Connection	DIN Terminal			
Material of body	Aluminum alloy			
Max.frequency	5 cycle/sec			
Insulation	F class			
Voltage range	-15%~+10%			
Min. activate time	0.05 sec			

Symbol

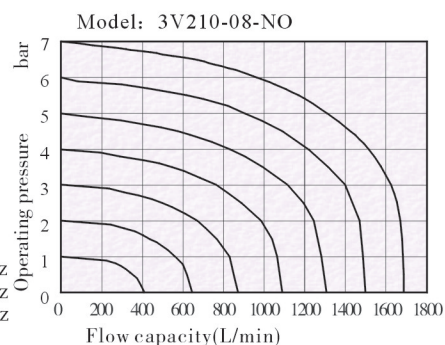


Ordering code



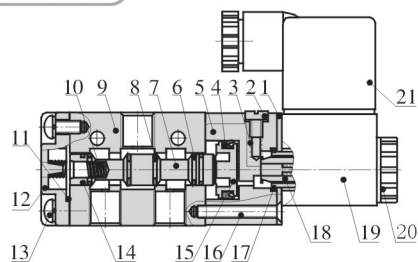
* Only single solenoid type has this specification.

Flow chart

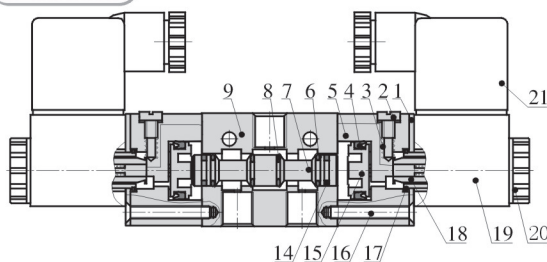


Inner structure

3V210



3V220



NO.	Item	NO.	Item	NO.	Item	NO.	Item
1	Fixed plate	6	Spool packing	11	Bottom cover gasket	16	Pilot screw
2	Manual override	7	Spool	12	Bottom cover	17	Armature O-ring
3	Override spring	8	Spool O-ring	13	Screw	18	Armature
4	Piston O-ring	9	Body	14	Wearing ring	19	Coil
5	Pilot body	10	Spool spring	15	Piston	20	Coil nut
						21	Connector

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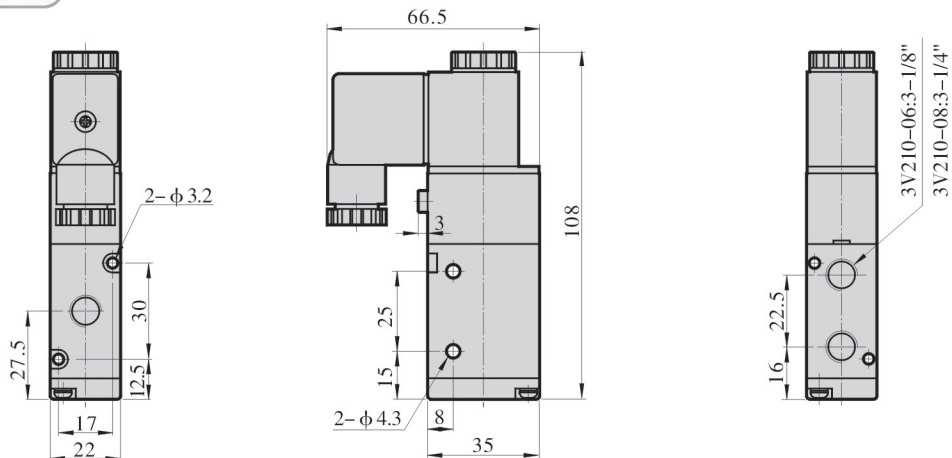
3V200 SERIES

Material of major parts

Model	3V210	3V220	Model	3V210	3V220
Body	Aluminum alloy		Fixed plate	Steel with nickel plated	
Spool	Aluminum alloy		Coil nut	Nylon	
Override O-ring	NBR		Bottom cover	Zinc alloy	-
Connector gasket	NBR		Override spring	Stainless steel	
Spool packing	HNBR		Spool spring	Stainless steel	
Bottom cover gasket	NBR	-	Screw	Carbon steel	
Pilot O-ring	NBR		Solenoid lining	Copper	
Pilot body	PBT+glass fiber		Armature	Pure iron	
Piston	POM		Copper cover	Bronze	
Manual override	POM		Connector	Plastic	

Dimensions

3V210



3V220

