WINMAN Solenoid Valf (5/2 yollu, 5/3 yollu) / Solenoid Valve (5/2 way, 5/3 way)

4V300 Serisi / 4V300 Series



4V330C-08 4V330C-10 4V310-08 4V310-10 4V330E-08 4V330P-08 4V330E-10 4V330P-10 Model 4V320-08 4V320-10 Fluid Air (to be filtered by 40 μ m filter element) Internal pilot or external pilot Acting Port size [Note1] In=Out=Exhaust=1/4" In=Out=3/8"Exhaust=1/4" 25.0mm² (Cv=1.40) $18.0mm^{2}$ (Cv=1.00) $18.0mm^{2}$ (Cv=1.00) 30.0mm² Orifice size (Cv=1.68) Valve type 5 port 2 position 5 port 3 position 5 port 2 position 5 port 3 position Operating pressure 0.15~0.8MPa(21~114psi) Proof pressure 1.2MPa(175psi) -20~70°C Temperature Material of body Aluminum allov Lubrication [Note2] Not required Max. frequency [Note3] 4 cycle/sec 3 cycle/sec 4 cycle/sec 3 cycle/sec 4V310-08:310 4V310-10:310 Weight 450 4500 4V320-08:400 4V320-10:400

[Note1] PT thread, G thread and NPT thread are available.

Özellikler / Specification

[Note2] Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended. [Note3] The maximum actuation frequency is in the no-load state.

Ürün Özelliği / Product Feature

- 1. Pilot-oriented mode: Internal pilot or external pilot.
- Structure in sliding column mode: good tightness and sensitive reaction.
 Three position solenoid valves have three kinds of central function for your choice.

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- 4. Double control solenoid valves have memory function 5. Internal hole adopts special processing technology which has little attrition friction,

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low start pressure and long service life.

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- No need to add oil for lubrication.
 It is available to form integrated valve group with the base to save installation space.
- Affiliated manual devices are equipped to facilitate installation and debugging.
 Several standard voltage grades are optional.

Sipariş Kodu / Ordering Code

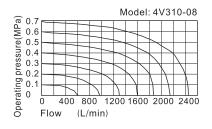
Bobin Özellikleri / Coil Specification									
Item	specification								
Standard voltage	AC220V	AC110V	AC24V	DC24V	DC12V				
Scope of voltage	AC: ±15% DC: ±10%								
Power consumption	4.5VA	4.5VA	5.0VA	3.0W	3.0W				
Protection	IP65(DIN40050)								
Temperature classification	B Class								
Electrical entry	Terminal, Grommet								
Activating time	0.05 sec and below								

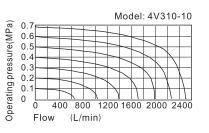
4V 3 10 10 A 🗆 🗆 3 4 5 6 7 (1) **2**)

①Model	2Code	③Valve type	④Port size	⑤Voltage	©Electrical entry	⑦Thread type
4V: Solenoid valve (5/2, 5/3 way)	3: 300 Series	 10: Single solenoid 5/2 way 20: Double solenoid 5/2 way 30C: Double solenoid 5/3 way closed center 30E: Double solenoid 5/3 way exhaust center 30P: Double solenoid 5/3 way pressure center 	08: 1/4" 10: 3/8"	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	Blank: Terminal I: Grommet	Blank: PT G: G T: NPT

Please refer to 76 for manifold specification and the order way.

Akış Şeması / Flow Chart





WWINMAN®

WINMAN Solenoid Valf (5/2 yollu, 5/3 yollu) / Solenoid Valve (5/2 way, 5/3 way) 4V300 Serisi /4V300 Series İç Yapı / Inner Structure 4V320 4V330C 4V310 (5)(18) (18) 6) 1 儿 1)-(16)(15) (14)(13) (14)22 (10) T A L 17 (12) 11 (2)(3)(4)(3)(4) (7) (15) (7)(6)(8) (9) 89165 (19(21) No. Item No Item Item No. Item No. Bottom cover 1 3 Coil 5 7 Pilot kit 9 Wear ring 11 13 15 Spool 17 19 Spring holder 21 Connector Fixed plate Fixed screw Override spring Side cove gasket Piston O-ring 2 Coil net 4 Armature 6 Piston Body 12 Spool spring 14 Spool O-ring 16 Manual ovveride 20 Return spring 22 Spring holder 8 10 Bottom cover 18 Boyutlar / Dimensions 4V310(Terminal) 4V310(Grommet) <u>69</u> <u>40</u> 39 I III <u>a nan a</u> 2-**Φ**4.3 2-04.3 2.4 2 135 35 <u>- 98.</u> 24 $\frac{98}{24}$ 80 Model / Item С D Е Α в 8 4V310-08 29 0 1/4' 1/4" 22 4V310-10 4 1/4" 3/8" 24 28 4V320(Terminal) 4V320(Grommet) 69 40 39 <u>2-Φ4.3</u> 2-Φ4.3 2.4 2 Æ 6 <u>80</u> 24 24 45 ¢ 45 G 20 0 Manua € 82.9 82.9 69.9 69.9 Model / Item в С D Е А 1/4" 83.9 4V320-08 1/4" 22 0 <u>13.5</u> 40 <u>13.5</u> 40 -<u>20</u> 27 20 4V320-10 1/4" 3/8" 24 82.9 4 4V330(Terminal) 4V330(Grommet) <u>69</u> <u>40</u> 39 <u>a niji n</u> ÷ 2. 2 2-Ф4.3 2-Ф4.3 override 99 ⊕ Ð <u>209</u> 45 209 24 50 ¢ 24 <u>Manual</u> override Ø ual Jan Œ 82.9 82.9 Ш 39.9 **б** 39. Model / Item в С D Е А 4V330-08 1/4" 1/4" 22 83.9 0 II II II II 1<u>3.5</u> 40 82.9 4 4V330-10 1/4" 3/8' 24 <u>13.5</u> 40 <u>20</u> 27