

FEATURES

- Compact design and low weight enabling easy installation on all AD valves
- Manual operator allows an easy installation
- The solenoid valves satisfy all relevant EU Directives

GENERAL

Max. pilot pressure 0 to 10 bar [1 bar = 100 kPa]
Maximum viscosity 40 cSt (mm²/s)
Response time See AD valve leaflets

fluids (*)	temperature range (TS)	seal materials (*)
filtered air and water	-10°C to +80°C	NBR (nitrile)

MATERIALS IN CONTACT WITH FLUID

(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass or st. steel AISI 304
Core tube Stainless steel
Core and plugnut Stainless steel
Springs Stainless steel
Seats Brass
Seals NBR
Upper disc FPM
Shading coil Copper or silver

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages
 DC (=) : 24V - 48V
 AC (~) : 24V - 48V - 115V - 230V / 50 Hz

power ratings				operator ambient temperature range (TS)	replacement coil		type ⁽¹⁾
inrush ~	holding ~		hot/cold =		~	=	
(VA)	(VA)	(W)	(W)	(C°)	230 V/50 Hz	24 V DC	
50	25	10,1	8,5 / 11,6	-10 to +60	238613-059	238713-006	01

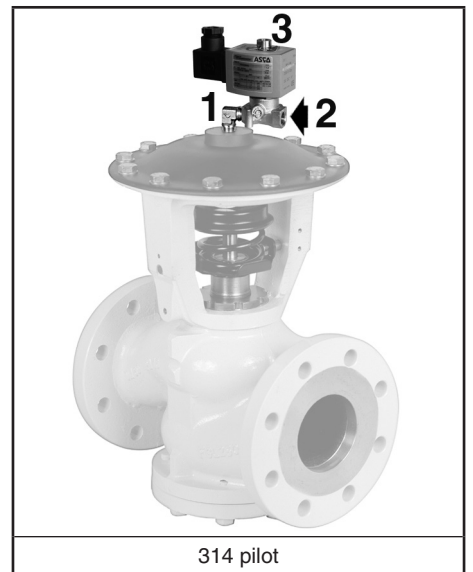
⁽¹⁾ Refer to the dimensional drawings on the following page.

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv				operating pressure differential (bar)					power coil (W)	thread type	dimensions / type ⁽¹⁾	15-DIGIT PRODUCT CODE										
		2 → 1		1 → 3		max. (PS)								brass ⁽²⁾	stainless steel ⁽²⁾	voltage code								
		min. ⁽³⁾	air (*)	water (*)	-	-	-	-	-	24 V/50 Hz						48 V/50 Hz	115 V/50 Hz	230 V/50 Hz	24 V/DC	48 V/DC				
1/4	3,2	0,22	3,7	0,17	2,8	0	10	6	10	6	-	-	10,1	11,6	G*	01	E314K151S1N01	E314K150S1N01	FL	FR	FT	F8	F1	F9

⁽²⁾ Solenoid valve with 1/4 adapter.

⁽³⁾ Refer to leaflets on series 165/166 valves which show the minimum pilot pressure for each version of the product.



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OPTIONS

- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 2014/34/EU (www.asco.com)
- Connector with visual indication and peak voltage suppression or with cable length of 2 m (www.asco.com)
- flow control device to fit port 3 (to increase air-operated pilot depressurization time): - G 1/8, catalogue number: **34600107**
- Class H coil

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Pipe connection 1/4 (G*) has standard combination thread according to ISO 228/1 and ISO 7/1. Pipe connection G 1/8 has standard thread according to ISO 228/1
- Installation/maintenance instructions are included with each valve

SPARE PARTS KIT

catalogue number	spare parts kit no.	
	~	=
E314K151S1N01	M200071N00	M200067N00
E314K150S1N01	M200073N00	M200069N00

ORDERING EXAMPLES:

E314K151S1N01 F8 _____ voltage
 15-digit product code _____

ORDERING EXAMPLES KITS:

M200071N00
 basic number _____

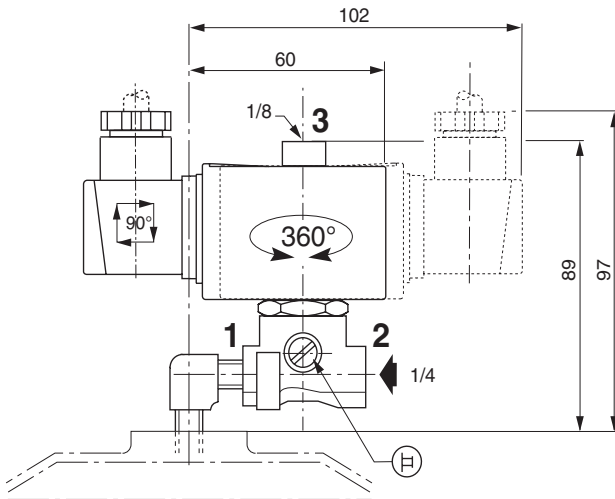
DIMENSIONS (mm), WEIGHT (kg)



TYPE 01

Electrical interface "S1" (314 pilot)
 Epoxy moulded
 IEC 335 / ISO 4400
 IP65

E314K150S1N01/151S1N01



weight ⁽¹⁾
0,610

⁽¹⁾ including adapter connection, coil and connector.