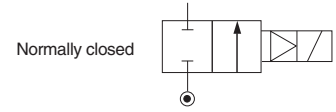


# ADS 2/2-way solenoid valve of stainless steel 316 body for slight acid & alkali-resistant application

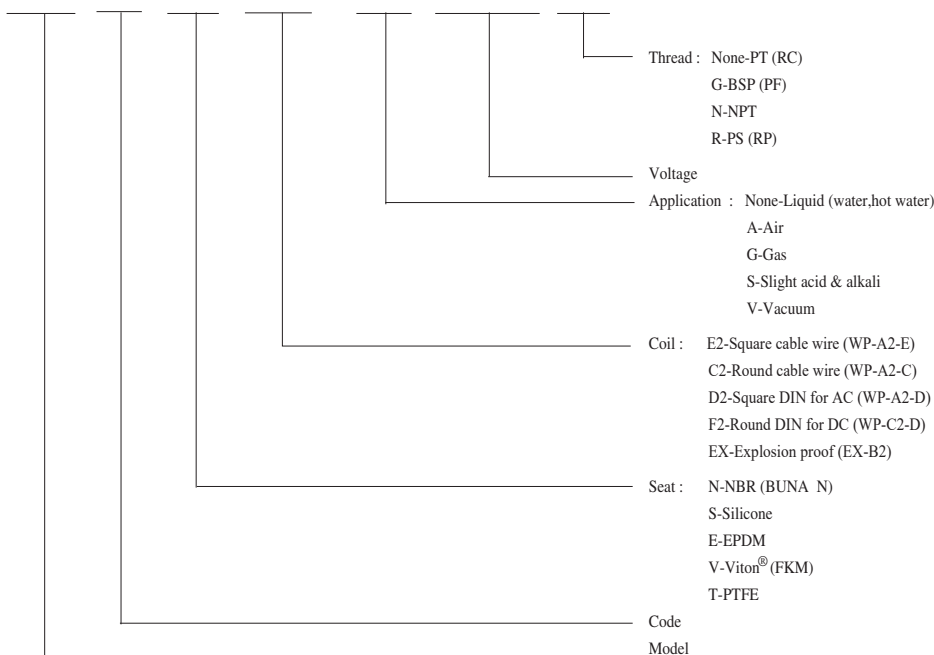


## Magnalift Type

Model	Port size	Orifice (mm)	CV value	Fluid temp. (°C)	Seat disc	Differential pressure kg/cm <sup>2</sup> (bar)					Wt. (kg)		
						Liquid	Air	Gas	Slight acid & alkali	Vacuum			
ADS - 14	3/8 "	15	4.5	-10	NBR	0-10	0-10	0-10	0-10	0-10 <sup>-6</sup> torr	1.03		
ADS - 15	1/2 "	15	4.5			0-10	0-10	0-10	0-10	0-10 <sup>-6</sup> torr	1.06		
ADS - 20	3/4 "	20	9.3			0-10	0-10	0-10	0-10	0-10 <sup>-6</sup> torr	1.24		
ADS - 25	1 "	25	13.2			0-10	0-10	0-10	0-10	0-10 <sup>-6</sup> torr	1.51		
ADS - 35	1 1/4 "	35	26			Silicone	0-10	0-10	0-10	0-10	0-10 <sup>-6</sup> torr	2.87	
ADS - 40	1 1/2 "	35	26				0-10	0-10	0-10	0-10	0-10 <sup>-6</sup> torr	2.77	
ADS - 50	2 "	50	48				EPDM	0-7	0-7	0-7	0-5	0-10 <sup>-6</sup> torr	4.81
ADS-25AF	1" Flange	25	13.2					0-10	0-10	0-10	0-10	0-10 <sup>-6</sup> torr	5.35
ADS-35AF	1 1/4 " Flange	35	26			Viton®	0-10	0-10	0-10	0-10	0-10 <sup>-6</sup> torr	7.75	
ADS-40AF	1 1/2 " Flange	35	26				80 (120)	0-10	0-10	0-10	0-10	0-10 <sup>-6</sup> torr	7.8
ADS-50AF	2" Flange	50	48	0-7	0-7		0-7	0-5	0-10 <sup>-6</sup> torr	11.0			

## How to order

ADS - 15 - S - F2 - - 24VDC - G



## Notes:

1. In order to prolong operating life, it is better to allocate pipe horizontally and coil to face upward.
2. Voltage drop range is within ±10%.
3. Pressure of voltage DC is 70% of voltage AC only.
4. Combined diaphragm design assures no breaking.
5. Max. temperature is up to 120°C.
6. Selection of coil refer to page 136~139.
7. PTFE diaphragm is custom-made.
8. Silver shading ring is custom-made.

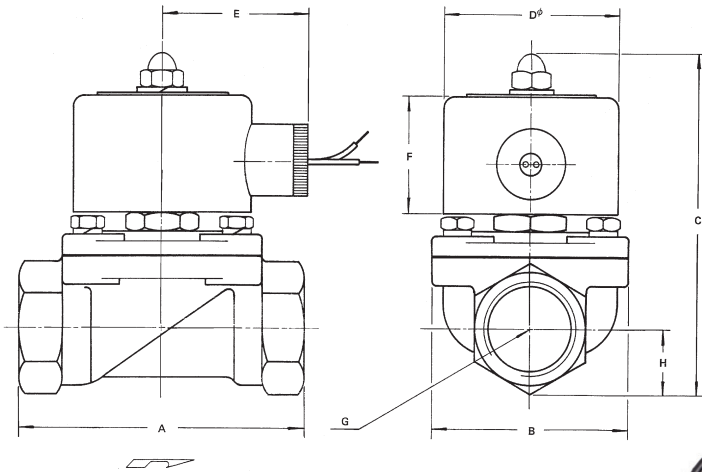
## Inapplicable Fluids:

1. Fluids that have kinematic viscosity over 50 CST.
2. Fluids that will turn to liquid after being heated and become solid after being cooled.
3. Strong corrosive fluids.

# ADS

## 2/2-way solenoid valve of stainless steel 316 body for slight acid & alkali-resistant application

### ● ADS-14~50 Contour Specification Chart

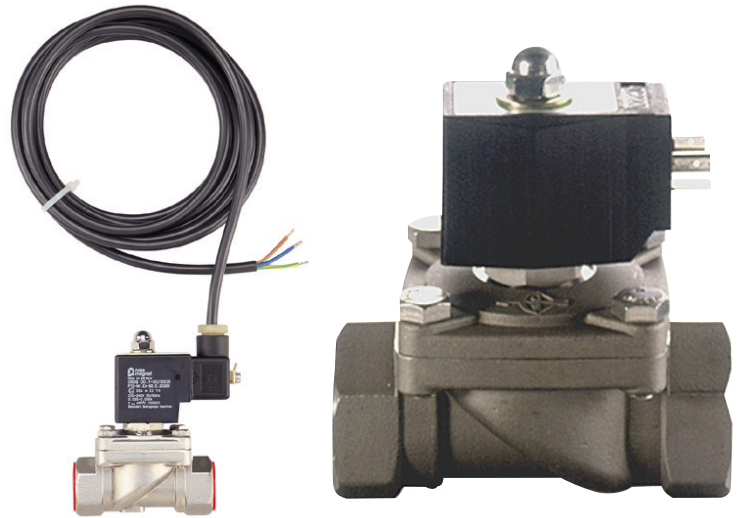


### ● Specifications

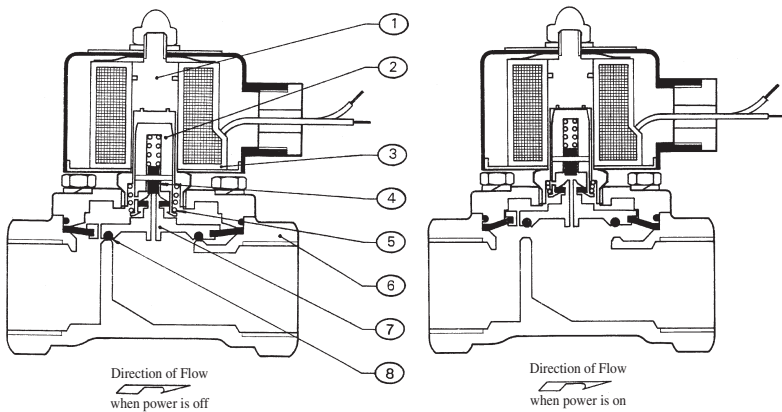
Unit:mm

Item Model	A	B	C	D	E	F	G	H
ADS-14	75	52	103	WP-A2-C:53	WP-A2-C:47	WP-A2-C:43	3/8"	14.5
ADS-15	75	52	103				1/2"	14.5
ADS-20	85	60	114	WP-A2-D:40	WP-A2-D:65*	WP-A2-D:38	3/4"	18
ADS-25	100	70	120				1"	23
ADS-35	120	90	140	WP-A2-E:40	WP-A2-E:40	WP-A2-E:38	1 1/4"	33
ADS-40	120	90	140	WP-C2-D:56	WP-C2-D:70*	WP-C2-D:37	1 1/2"	33
ADS-50	150	120	160				2"	40.5

\* with connector



### ● ADS-14~50 Operation Chart

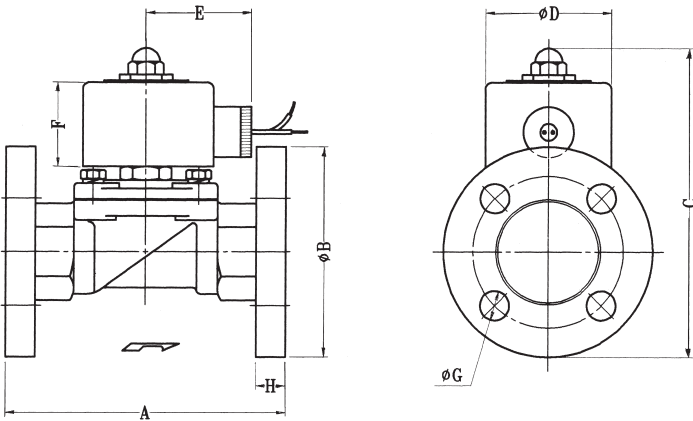


### ● ADS-14~50 Material Table

Item	Article	Material
1	Solenoid Tube	Stainless Steel
2	Armature Core	Stainless Steel
3	Coil	Brass Wire
4	Seat	NBR, Silicone, EPDM, Viton®
5	Spring	Stainless Steel
6	Valve Body	Stainless Steel (SUS 316)
7	Diaphragm	Stainless Steel/Synthetic Rubber
8	Leakproof Ring	Synthetic Rubber

# ADS 2/2-way solenoid valve of stainless steel 316 body for slight acid & alkali-resistant application

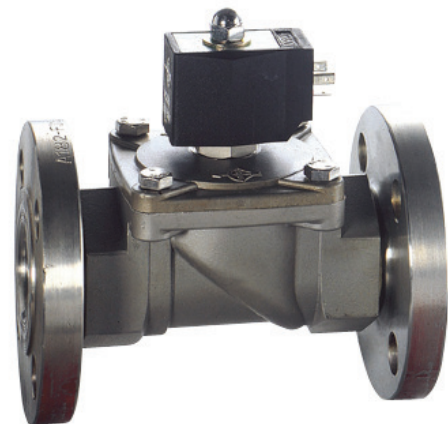
## ● ADS-25AF~50AF Contour Specification Chart



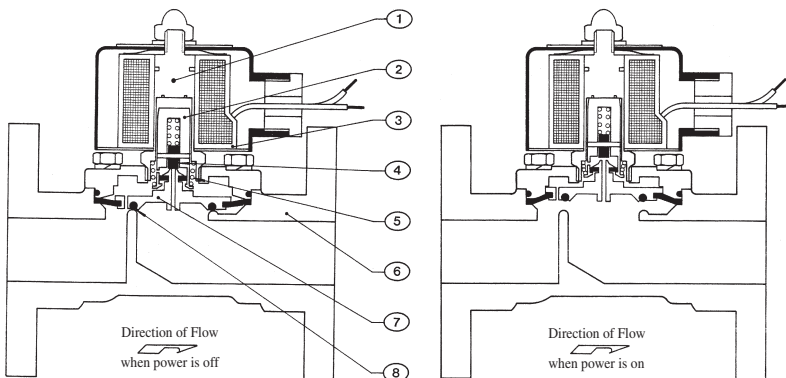
## ● Specifications

Item	A	B	C	D	E	F	G	H
Model								
ADS-25AF	140	125	162	WP-A2-C:53	WP-A2-C:47	WP-A2-C:43	19	14
ADS-40AF	165	140	177	WP-A2-D:40	WP-A2-D:65*	WP-A2-D:38	19	16
				WP-A2-E:40	WP-A2-E:40	WP-A2-E:38		
ADS-50AF	200	155	195	WP-C2-D:56	WP-C2-D:70*	WP-C2-D:37	19	16

(\*with connector) JIS Flange Specification 10kg/cm<sup>2</sup>



## ● ADS-25AF~50AF Operation Chart



## ● ADS-25AF~50AF Material Table

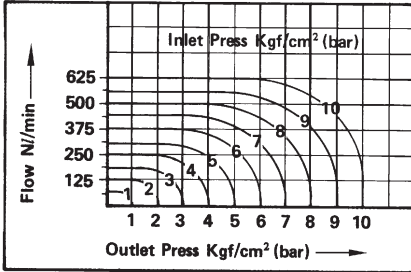
Item	Article	Material
1	Solenoid Tube	Stainless Steel
2	Armature Core	Stainless Steel
3	Coil	Brass Wire
4	Seat	NBR, Silicone, EPDM, Viton®
5	Spring	Stainless Steel
6	Valve Body	Stainless Steel (SUS 316)
7	Diaphragm	Stainless Steel/Synthetic Rubber
8	Leakproof Ring	Synthetic Rubber

# ADS

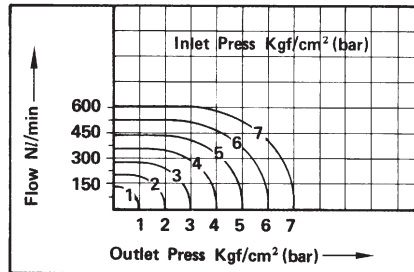
## 2/2-way solenoid valve of stainless steel 316 body for slight acid & alkali-resistant application

### Flow Curve Chart

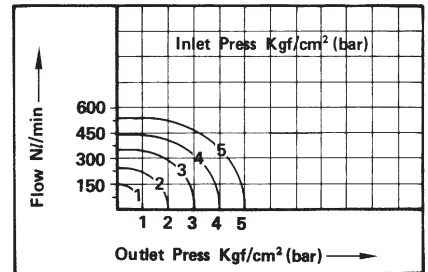
● Fluid:Air ADS-8A



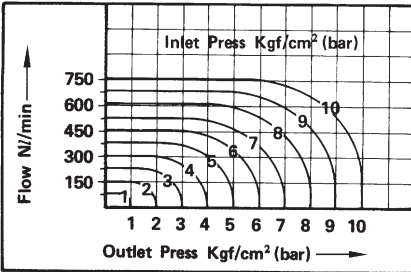
● Fluid:Air ADS-8B



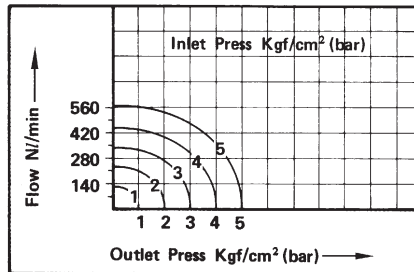
● Fluid:Air ADS-8C



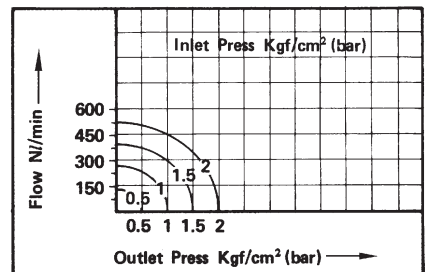
● Fluid:Air ADS-10A



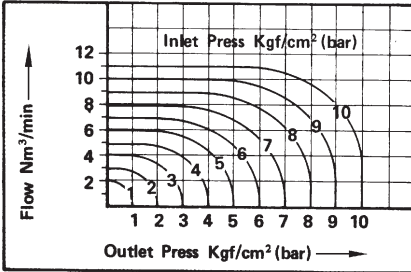
● Fluid:Air ADS-10B . 12A



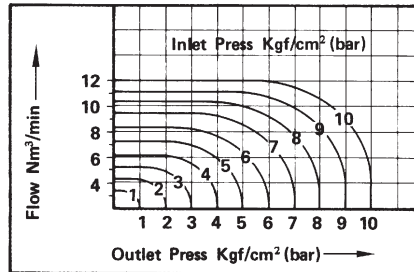
● Fluid:Air ADS-10C . 12B



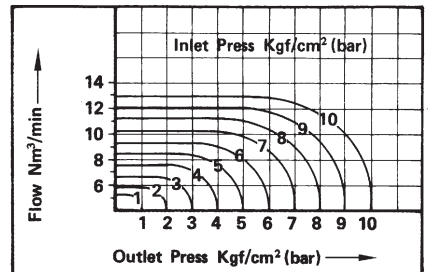
● Fluid:Air ADS-14.15



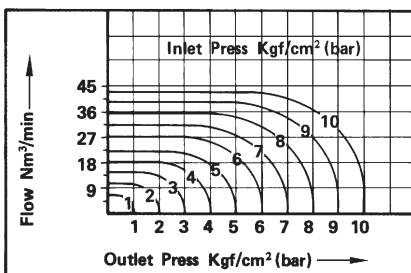
● Fluid:Air ADS-20



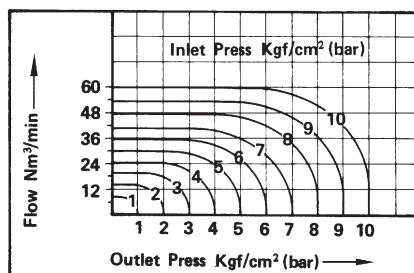
● Fluid:Air ADS-25 (AF)



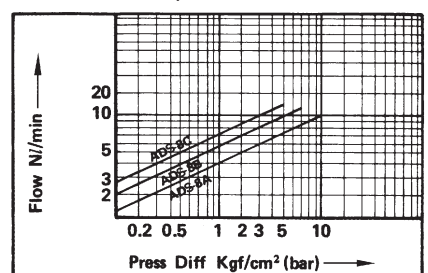
● Fluid:Air ADS-35.40(AF)



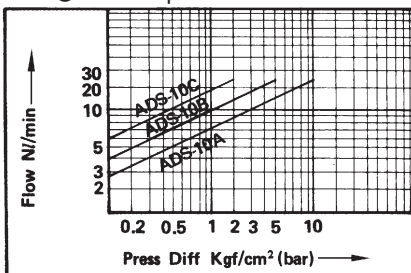
● Fluid:Air ADS-50(AF)



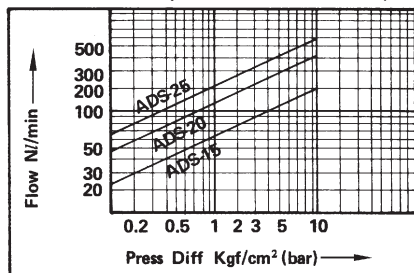
● Fluid:Liquid ADS-8A.8B.8C.



● Fluid:Liquid ADS-10A .10B.10C



● Fluid:Liquid ADS-15.20.25 (AF)



● Fluid:Liquid ADS-35.40.50(AF)

