



AERO-NC D

# 2 WAY SOLENOID VALVES

Normally Closed Solenoid Valve Pipe Size : 3/8" to 2" Screwed End

For Fluid : Water , Air , Gas , Oil & Vacuum AD12-10 ~ 50 , AD14-10 ~ 50

## SPECIFICATIONS :

1. 2-WAY NORMALLY CLOSED
2. FORGED BRASS BODY
3. AD-12 SERIES ARE PILOT-KICK-DIAPHRAGM TYPE.
4. AD-14 SERIES ARE PILOT-DIAPHRAGM TYPE.
5. INSTALLATION : CAN BE INSTALLED IN ANY POSITION BUT THE LEVEL CONDITION TO KEEP COIL UPSIDE BEST FOR LONG LIFE.
6. STANDARD VOLTAGE : AC110V/220V (50/60HZ).
7. OTHERS VOLTAGE OF AC/DC AVAILABLE WHEN REQUIRED.
8. VOLTAGE IS WITHIN. ±10% DIFFERENTIAL.



## FEATURES :

1. SMALL VOLUME, HIGH FLOW, LITTLE ELECTRIC POWER REQUIRED.
2. MASS PRODUCTION IN SYSTEMATIC WAY, SPARE PARTS ARE EXCHANGEABLE.
3. WATER PROOF COIL AVAILABLE WHEN REQUIRED, PLEASE ADD WORD "WP", AFTER THE MODEL NO. IF PLACE ORDER.
4. COIL IS DESIGNED TO TURN IN FREE DIRECTION

## UNSUITABLE FLUID :

1. VISCOSITY OVER 50 CST.
2. LIQUID WHEN BE HETING, SOLID WHEN COOL.
3. AD14 SERIES WITH MIN. OPERATING PRESSURE UNDER 0.1KGf/CM<sup>2</sup>.
4. CORROSIVE FLUID.

## CAUTION :

1. PLEASE CLEAN UP THE INSIDE OF PIPES BEFORE FITTED.
2. A STRAINER OR FILTER HAS TO BE INSTALLED ONE METER AWAY FROM
3. PLEASE ADOPT THE G-CLASS DIAPHRAGM IN USING FLUID AS : GAS , OIL.

## SPECIFICATION

Model	Connection	Orifice (mm)	Cv VALUE	Temp (□)	Max. Operating Press Diff kgf/cm <sup>2</sup> (bar)					Weight (kg)	
					Water	Air	Gas	Oil	Vacuum	N.W.	G.W.
AD-12, NORMALLY COLSED, HIGH FLOW TYPE, FORGED BRASS BODY, NBR OR EPDM DIAPHRAGM, SUITABLE FOR : VACUUM, AIR, WATER.											
AD12-10	3/8"	15	3.6	5□	0-5	0-5	0-5	0-5	0-10 <sup>-3</sup> torr	1.04	1.10
AD12-15	1/2"	15	3.6		0-5	0-5	0-5	0-5	0-10 <sup>-3</sup> torr	1.02	1.08
AD12-20	3/4"	19	7.5		0-5	0-5	0-5	0-5	0-10 <sup>-3</sup> torr	1.02	1.08
AD12-25	1"	25	9.6	80□	0-5	0-5	0-5	0-5	0-10 <sup>-3</sup> torr	1.68	1.80
AD12-35	1-1/4"	38	20		0-5	0-5	0-5	0-5	0-10 <sup>-3</sup> torr	2.72	2.85
AD12-40	1-1/2"	38	20		0-5	0-5	0-5	0-5	0-10 <sup>-3</sup> torr	2.55	2.71
AD12-50	2"	50	38		0-5	0-5	0-5	0-5	0-10 <sup>-3</sup> torr	4.88	5.12
AD14, NORMALLY CLOSED, FORGED BRASS BODY, NBR OR EPDM DIAPHRAGM, OPERATING PRESSURE AT LEAST OVER 0.5KGf/CM <sup>2</sup>											
AD14-10	3/8"	15	3.6	5□	0.5-8	0.5-8	-	0.5-5	-	0.97	1.02
AD14-15	1/2"	15	3.6		0.5-8	0.5-8	-	0.5-5	-	0.96	1.02
AD14-20	3/4"	19	7.5		0.5-8	0.5-8	-	0.5-5	-	1.03	1.10
AD14-25	1"	25	9.6	80□	0.5-8	0.5-8	-	0.5-5	-	1.72	1.85
AD14-35	1-1/4"	38	20		0.5-8	0.5-8	-	0.5-5	-	2.72	2.85
AD14-40	1-1/2"	38	20		0.5-8	0.5-8	-	0.5-5	-	2.55	2.71
AD14-50	2"	50	38		0.5-8	0.5-8	-	0.5-5	-	4.88	5.12

## ELECTRICAL INFORMATION

Model	Power			Class of Insulation	Wire Color of Outlet Coil			Spare Coil Part NO.	
	AC (VA)		DC (watt)		AC 110V	AC 220V	Others	Normal Coil	Water Proof Coil
	50Hz	60Hz							
AD12-10,15,20,25	28	23	10	B-CLASS	Blue	Red	White	A1-NC	A1-WP
AD12-35,40,AD14-35,40	61	47	19	B-CLASS	Blue	Red	White	A1-NC	A1-WP
AD14-10,15,20,25	28	23	10	B-CLASS	Blue	Red	White	A1-NC	A1-WP
AD12-50 , AD14-50	61	47	19	B-CLASS	Blue	Red	White	A2-NC	A2-WP