

2Way Solenoid Valve (1/2", 3/4", 1")

Features

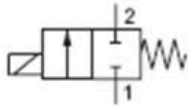
2-Way NORMALLY CLOSED

Body : Brass

AIR, WATER, INERT GAS, LPG

Applied Seal : NBR, FKM

Application : Thermohydraulic system , Autoclaves , Oil burner , Molding machines
Washing system , Cooling of machine tools , LPG machines



Specification

Descriptions		Specification		
Fluid		WATER, AIR, OIL, LPG (50cst이하)		
Operating		Normal Closed		
Model		S22C15	S22C20	S22C25
Port Size	(inch)	Rc(PT) 1/2"	Rc(PT) 3/4"	Rc(PT) 1"
Orifice Size	(mm)	Φ15	Φ20	Φ25
Effective Area	(Kv)	50	90	120
Max. Operating Pressure (bar)	AC	20.0	20.0	20.0
	DC	20.0	20.0	20.0
Pressure Proof	(bar)	25.0		
Ambient Temperature	(℃)	0 ~ 50		
Fluid Temperature	(℃)	0 ~ 60		
Seat Materials		STD : NBR, Option : FKM		
Response Cycle	(ms)	ON: MAX 80/ OFF: 100		
Rated Voltage	(V)	DC 12, DC24, AC110/ AC220 (50~60Hz)		
Voltage Allowance	(%)	AC : ±10 / DC : ±5		
Power Consumption	(W)	DC: 14.0 / AC: 16.0		
Wire Connection		Lead Wire 300mm		
IP Grade		IP65		
Insulation Grade		CLASS F		

S22C Series

주 문 형 식 (Order)

S22C 25 X N P

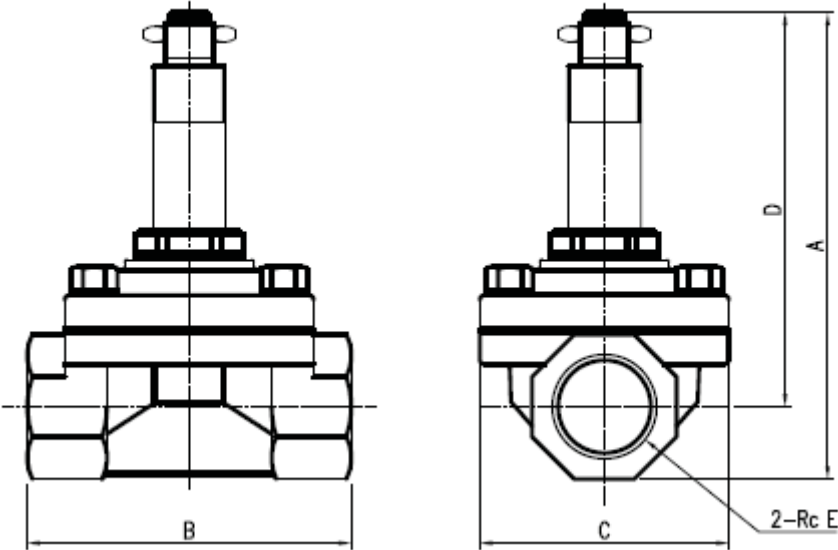
① ② ③

① 오리피스(Orifice Size)	
15	15 mm ²
20	20 mm ²
25	25 mm ²

②전압 (Voltage)	
1	DC 12V
2	DC 24V
3	AC 110V/60Hz
4	AC 220V/60Hz

③시트재질 (Seat Material)	
N	NBR
V	FKM

외형도 및 주요부 재질 (Dimensions & Material)



ORIFICE	15	20	25
A	94	100	109
B	65	80	90
C	50	65	65
D	79	83	88
E	Rc1/2"	Rc3/4"	Rc1"

NO	품 명 (Part Name)	재 질 (Material)
1	몸체 (Body)	황동 (Brass)
2	다이하프램 어셈블리 (Diaphragm Ass'y)	NBR
3	플런저 가이드 어셈블리 (Plunger Guide Ass'y)	스테인레스 스틸 (STS)
4	코일 어셈블리 (Coil Ass'y)	-
5	플런저 어셈블리 (Plunger Ass'y)	스테인레스 스틸 (NBR+STS)

2/2Way Pilot Operated

Model : 321G Series

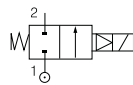


Features

- General Purpose Solenoid Valve
- 2-Way Pilot Operated
- Air, Water, and Steam applicable.
- Applied Seal : NBR, EPDM

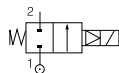
Application

- Water treatment plants
- Industrial washing plants
- Irrigation Systems
- HVAC
- Cooling System
- Fire-fighting system



Normally Closed, Water, Air application

REFERENCE NO.				PORT SIZE (PF) G Thread	ORIFICE (mm)	FLOW (L/MIN) (L / min) Liquids KV	ADMISSIBLE DIFF. PRESSURE (BAR)		MAX. FLUID (°C) Water	SEAL	Power (W)		
VESSEL NO.	HOUSING	COIL					Min	Max			DC	AC	
		Gobal	Korea										
E321G3610	I	-	1K	3/4"	20	135	0.3	16	16	75	NBR	14	10
	2995	481865	-					16	16	75		9	8
	4270	481000	-					16	16	75		8	8
	H	-	1F					16	16	75		8	8
E321G3710	I	-	1K	1"	25	180	0.3	16	16	75	NBR	14	10
	2995	481865	-					16	16	75		9	8
	4270	481000	-					16	16	75		8	8
	H	-	1F					16	16	75		8	8
E321G3810	I	-	1K	1-1/4"	28	280	0.3	16	16	75	NBR	14	10
	2995	481865	-					16	16	75		9	8
	4270	481000	-					16	16	75		8	8
	H	-	1F					16	16	75		8	8
	4270	486265	-					16	20	75		14	14
	H	-	1H					16	20	75		14	14
E321G3910	I	-	1K	1-1/2"	40	420	0.3	8.5	16	75	NBR	14	10
	2995	481865	-					10	16	75		9	8
	4270	481000	-					8.5	16	75		8	8
	4270	486265	-					16	20	75		14	14
	H	-	1F					8.5	16	75		8	8
	H	-	1H					16	20	75		14	14
E321G4010	I	-	1K	2"	40	560	0.3	8.5	16	75	NBR	14	10
	2995	481865	-					10	16	75		9	8
	4270	481000	-					8.5	16	75		8	8
	4270	486265	-					16	20	75		14	14
	H	-	1F					8.5	16	75		8	8
	H	-	1H					16	20	75		14	14



Normally Closed, Steam application

REFERENCE NO.				PORT SIZE(PF) G Thread	ORIFICE (mm)	FLOW (L / min) Liquids kv	ADMISSIBLE DIFF. PRESSURE (BAR)		MAX. FLUI(°C)		SEAL	Power (W)		
VESSEL NO.	HOUSING	COIL					Min	Max		WATER		Steam	DC	AC
		Gobal	Korea											
321G3803	I	-	1K	1-1/4"	28	280	0.3	16	16	100	-	EPDM	14	10
	2995	481865	481865					16	16	100	-		9	8
	4270	481000	1F					16	16	120	-		8	8
	4270	486265	-					4	4	-	145		14	14
	H	-	1H					4	4	-	145		14	14
321G3903	I	-	1K	1-1/2"	40	420	0.3	14	16	100	-	EPDM	14	10
	2995	481865	481865					10	16	100	-		9	8
	4270	481000	1F					8.5	16	120	-		8	8
	4270	486265	-					4	4	-	145		14	14
	H	-	1H					4	4	-	145		14	14
321G4003	I	-	1K	1"	40	560	0.3	14	16	100	100	EPDM	14	10
	2995	481865	481865					10	16	100	100		9	8
	4270	481000	1F					8.5	16	120	120		8	8
	4270	486265	-					4	4	-	145		14	14
	H	-	1H					4	4	-	145		14	14

Fluid Temp.

- Min. : -10°C
- Max. : Refer Table

Ambient Temp.

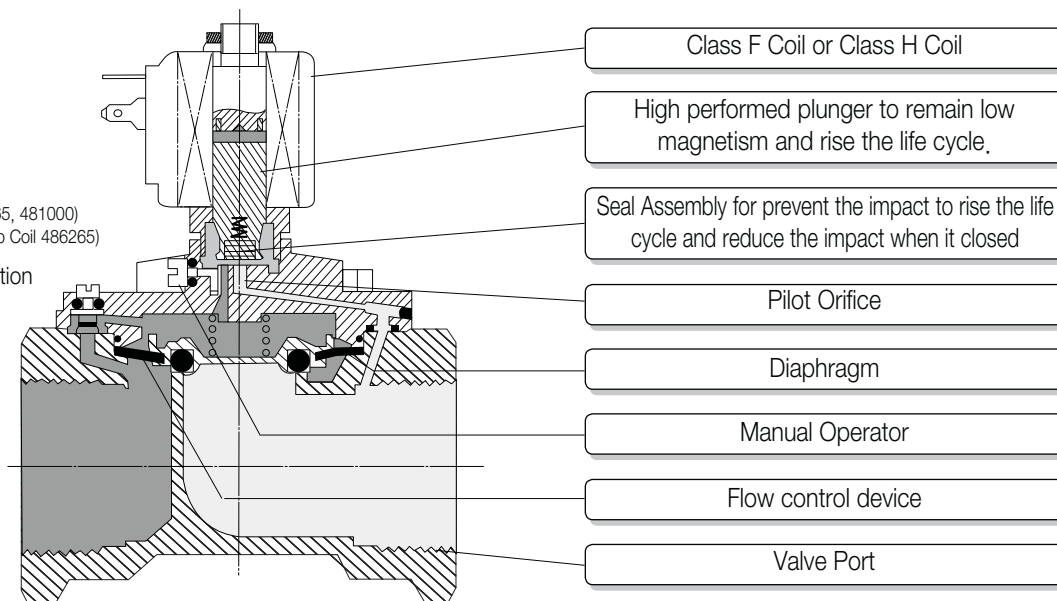
- -10°C +50°C

Coil Class

- Class F (Coil 481865, 481000)
- Class H (High Temp Coil 486265)

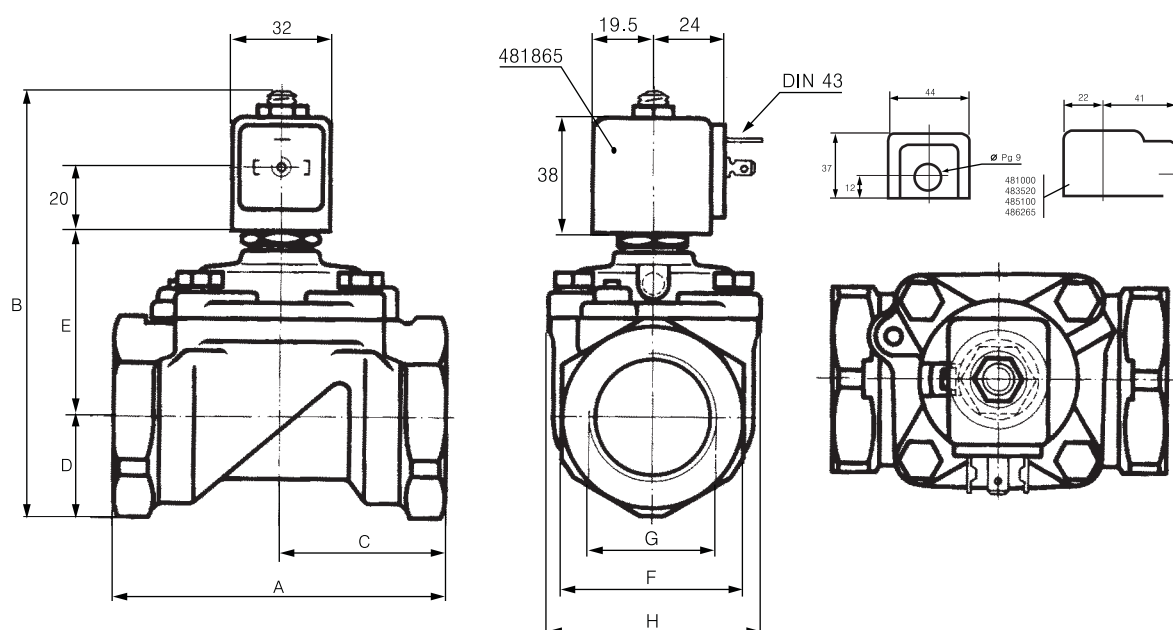
Power Consumption

- 8-9W



Model	Dimensions							
	A	B	C	D	E	F	G	H
E321G38	110	137,5	55	33	60,5	60	32	70
E321G39	140	144	75	33	67	60	40	99
E321G40	150	158,5	80	41,5	73	75	50	99

Dimensions(mm)



* 321G All type

Coil Information

7000 SERIES COILS

Integrated Coil Offering (These coils utilize enclosure code "N0". For coil dimensions, see page 139.)

Coil Code	Type of Termination	Wattage	Description
 L111	Leads	10	Class F Molded with 18" leads
L222	Leads	10	Class H Molded with 18" leads
L322	Leads	22	Class H Molded with 18" leads
 C111	1/2" Conduit	10	Class F Molded, NEMA 1, 2, 3, 3s, 4, 4x, 18" leads
C222	1/2" Conduit	10	Class H Molded, NEMA 1, 2, 3, 3s, 4, 4x, 18" leads
C322	1/2" Conduit	22	Class H Molded, NEMA 1, 2, 3, 3s, 4, 4x, 18" leads
 H111	1/2" Conduit	10	Class F Molded, NEMA 3, 3s, 4, 4x, 7, 9 18" leads
H222	1/2" Conduit	10	Class H Molded, NEMA 3, 3s, 4, 4x, 7, 9 18" leads
H322	1/2" Conduit	22	Class H Molded, NEMA 3, 3s, 4, 4x, 7, 9 18" leads
H1S1	1/2" Conduit Stainless	10	Class F Molded, NEMA 3, 3s, 4, 4x, 7, 9 18" leads, stainless steel
H2S1	1/2" Conduit Stainless	10	Class H Molded, NEMA 3, 3s, 4, 4x, 7, 9 18" leads, stainless steel
H3S1	1/2" Conduit Stainless	22	Class H Molded, NEMA 3, 3s, 4, 4x, 7, 9 18" leads, stainless steel
 D100	DIN	10	Class F Molded
D200	DIN	10	Class H Molded
D300	DIN	22	Class H Molded
 S100	Screw	10	Class F Molded
S200	Screw	10	Class H Molded
S300	Screw	22	Class H Molded
 T100	1/4" Tab	10	Class F Molded

Conventional Coil Offering (These coils require conventional coil enclosures-see page 134.)

 J111	Leads	10	Class F Molded with 18" leads
J222	Leads	10	Class H Molded with 18" leads
J322	Leads	22	Class H Molded with 18" leads

Specialty Coils (These coils require conventional coil enclosures-see page 134.)

 J611	18" Leads	1.3	Fluxtron 2 wire, low power, low temperature
F611	18" Leads	1.1	Fluxtron 4 wire, low power, low temperature (TTL logic level compatible)
 J011	18" Leads	0	Magnetlatch 2 wire, DC only
G011	18" Leads	0	Magnetlatch 3 wire, AC or DC (pulse)

Notes:

- * For coil temperature information, refer to Technical Information section beginning on page 128.
- * Refer to 7000 Series numbering system description beginning on page 133 for voltage code designations.
- * Ordinary Location Agency: Underwriter's Laboratories Inc. (UL), Ordinary Location File Number MH 15507/ Canadian Standards Association (CSA), Ordinary Location File Number LR 10716
- * Hazardous location coils certified for Class I, Division 1 and 2, Groups A,B,C,D; Class II, Division 1 and 2, Groups E,F,G. Agency File Numbers: Underwriter's Laboratories Inc. (UL), Hazardous Location File Number E 23267/ Canadian Standards Association (CSA), Hazardous Location File Number LR 16286
- * DIN terminations per DIN 43650/ ISO 4400 requirements.

- * Valves with AC Fluxtron coils receive a 10 watt pressure rating. Valves with a DC Fluxtron coil receive a DC pressure rating.
- * Fluxtron coils are not available for direct lift valves (code 2 in position 2) or for steam service valves (code S0 in position 11,12 of the pressure vessel)
- * Magnetlatch coils are equipped with permanent magnets to retain plunger position after power is removed.
- * Magnetlatch coils receive the same pressure ratings as a valve with a 10 watt coil.
- * Magnetlatch coils are not available for steam service valves (S0 in position 11,12 of the pressure vessel)
- * Magnetlatch coils use minimal average power and have no appreciable temperature rise.