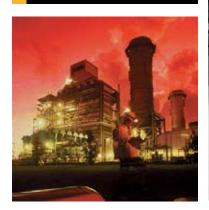




aerospace climate control electromechanical filtration fluid and gas handling hydraulics pneumatic process control sealing & shielding





Solenoid Valves





PRODUCTS OVERVIEW

General Purpose valve



121K/V/F Series 122K Series

2/2 Way valve (Direct Operated)

- ► Normally Closed, Normally Open
- ► 7000 sleeve assembled
- ► Body: Brass, StSt 303
- ► Coil : All of 7000 sleeve coil available
- ► Operated on Zero MOPD
- ► Air, Water Inert ga, Oil, Corrosive fluid and steam applicapable
- ► Applied Seal: FKM, Ruby, Teflon and Factory consult need for NBR, EPDM

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WV131S Series

3/2 Way Valve (Direct Operated)

- ► Normally Closed
- ► Body: Brass, StSt 303
- ► Coil : S or WS
- ► Operated on Zero MOPD
- ► Air, Water Inert gas, Oil, Corrosive fluid applicapable
- ► Applied Seal : FKM, NBR
- ► A miniature, High Performance
- ► UL/CE approved for 'S' coil

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131K/V/F Series 133K/V/F Series

3/2 Way Valve (Direct Operated)

- ► Normally Closed, Universal
- ► 7000 sleeve assembled
- ► Body: Brass, StSt 303
- ► Coil: All of 7000 sleeve coil available
- ► Operated on Zero MOPD
- ► Air, Water Inert gas, Oil, Corrosive fluid and steam applicapable
- ► Applied Seal : FKM, Ruby and Factory consult need for NBR, EPDM

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221G Series

2/2 Way Valve (Magnalift)

- ► Normally closed
- ► Body : Brass
- ► 7000 sleeve assembled
- ► Coil : All of 7000 sleeve coil available
- ► Operated on nearly Zero MOPD
- ► Air, Water, Inert gas, Oil and Steam applicapable
- ► Applied Seal: FKM, NBR, EPDM

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WV121S Series

2/2 Way Valve (Direct Operated)

- ► Normally closed
- ► Body: Brass, StSt 303, Plastic
- ► Coil:Sor H
- ► Operated on Zero MOPD
- ► Air, Water Inert gas, Oil, Corrosive fluid applicapable
- ► Applied Seal : FKM, NBR, Silicon
- ► A miniature, High Performance
- ► UL/CE approved for 'S' coil

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NKV Series

2/2 Way Valve (Magnalift)

- ► Normally closed
- ► Body : Brass
- ► 7000 sleeve assembled
- ➤ Coil : All of 7000 sleeve coil available
- ► Operated on nearly Zero MOPD
- ► Air, Water, Inert gas, Oil and Steam applicapable
- ► Applied Seal: FKM, NBR, EPDM

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221S Series

2/2 Way Valve (Magnalift)

- ► Normally closed
- ► Body: StSt 316
- ► 7000 sleeve assembled
- ► Coil : All of 7000 sleeve coil available
- ► Operated on nearly Zero MOPD
- ► Oil, gase, Steam and corrosive fluid applicapable
- ► Applied Seal : FKM, EPDM and NBR with factory consult

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E321H Series

2/2 Way Valve (Pilot Operated)

- ► Normally Closed
- ► Body : Brass
- ► 7000 sleeve assembled
- ► Coil : All of 7000 sleeve coil available
- ► A minimum operating pressure is required
- ► Dry or Lubricated air, gases and water
- ► High pressure application
- ► Applied Seal : FKM, NBR

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321G Series

2/2 Way Valve (Pilot Operated)

- ► Normally Closed
- ► Body : Brass
- ► 7000 sleeve assembled
- ► Coil : All of 7000 sleeve coil available
- ► A minimum operating pressure is required
- ► Air, Water and Steam applicapable
- ► Applied Seal : NBR, EPDM and FKM with factory

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consult



708N Series

2/2 Way Valve (Pilot (Piston) Operated)

- ► Normally Closed
- ► Body : Brass
- ► 7000 sleeve assembled
- ► Coil : All of 7000 sleeve coil available
- ► A minimum operating pressure is required
- ► Steam applicapable in High pressure (8bar) and temperature(180'c)
- ► Applied Seal : Teflon

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321K Series

2/2 Way Valve (Pilot Operated)

- ► Normally Closed
- ► Body : Brass
- ▶ 7000 sleeve assembled
- ► Coil : All of 7000 sleeve coil available
- ► A minimum operating pressure is required
- ► Air, Water applicapable
- ► Anti-water hammer application
- ► Applied Seal : FKM

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2/2 way Direct Operated

Model: 121K/V/F and 122K Series







121K

121V

121F

Features

- General Purpose Solenoid Valve
- 2-Way Direct lift
- Operated on Zero MOPD
- Air, Water, Inert gas, Oil, Corrosive fluid and Steam applicapable.
- Applied Seal: FKM, Ruby, Teflon and Factory consult need for NBR, EPDM

Application

- Oil burner and Boiler
- Welding machines
- Water treatment
- Fume analysers
- Gas analysers
- Distribution of light oils
- measurement and control instruments
- Lubrication system

Specifications

- Body Brass : 121K/F, 122K
 StSt 303 :121V
- Seal FKM, Ruby, Teflon and Factory consult need for NBR, EPDM
- Sleeve StSt 303, 7000
- Coil Refer the Electrical part table on the last page
- Body thread type: NPT, PT available with factory consult



Solenoid Valves

Normally Cloased



VESSEL MODEL	Coil & Hous	sing	PORT SIZE (PF)	Body Orifice Size	Flow f (L/r	actor nin)	Maxi Oper Pre.(Kg	ating		Fluid Temp		Seal disc	Consu	wer umptior W)
NUMBER	Global	Korea	G Thread	(mm)	QN	Kv	DC	AC	Gas	Liquid	Oil		DC	AC
	-	I-1K					43	100	130	130	130		14	10
121KBG2ER00	2995-481865 4270-481000	-		1.2	50	0.85	36	80	100	100	100	RUBY	9	8
	4270-481000	H-1F H-1H					43 75	100	130 120	130 120	130 120		14	14
	-	I-1K					20	20	120	120	120		14	10
121KBG2GV00	2995-481865	-		1.5	80	1.5	20	20	100	100	100	FKM	9	8
	4270-481000	H-1F					20	20	120	120	120		8	8
	-	I-1K					30	60	130	130	130		14	10
121KBG2GR00	2995-481865	-		1.5	80	1.5	25	60	100	100	100	RUBY	9	8
	4270-481000 4270-486265	H-1F H-1H					30 55	75 100	130 120	130 120	130 120		8	8
	-	I-1K					30	60	120	120	120		14	10
121KBG2GT00	2995-481865	-]	1.5	80	1.5	25	60	100	100	100	PTFE	9	8
121110020100	4270-481000	H-1F		1.0	00	1.0	30	70	120	120	120		8	8
	4270-486265	H-1H I-1K					55 16	70 16	120 120	120 120	120 120		14	14
121KBG2JV00	2995-481865	I-IK		2.0	140	2.5	12	16	100	100	100	FKM	9	8
121NDU2JVUU	2990-461000	H-1F		2.0	140	2.0	16	16	120	120	120	FINIVI	8	8
	-	I-1K					18	40	130	130	130		14	10
1011/000 1000	2995-481865	-		0.0	1.40	0.5	15	40	100	100	100	DUDV	9	8
121KBG2JR00	4270-481000	H-1F]	2.0	140	2.5	18	48	130	130	130	RUBY	8	8
	4270-486265	H-1H					32	70	120	120	120		14	14
	2995-481865	I-1K -	-				12 10	28 28	120 100	120 100	120 100		9	10
121KBG2LT00	4270-481000	H-1F	1	2.5	220	3.5	12	34	120	120	120	PTFE	9	0
	4270-486265	H-1H					22	50	120	120	120		8	8
	-	I-1K					9	14	120	120	120		14	10
121KBG2LV00	2995-481865 4270-481000	- H-1F		2.5	220	3.5	7 9	14 14	100 120	100 120	100 120	FKM	9	8
	4270-481000	H-1H					14	14	120	120	120		14	14
	-	I-1K					9	14	120	120	120		14	10
121KBG2LVM0	2995-481865	-		2.5	220	3.5	7	14	100	100	100	FKM	9	8
(Manual override)	4270-481000	H-1F		2.0	220	0.0	9	14	120	120	120	I INIVI	8	8
	4270-486265	H-1H I-1K					14 12	14 28	120 130	120 130	120 130		14	14
1011/0001 000	2995-481865	-		0.5	000	0.5	10	28	100	100	100	DUD.	9	8
121KBG2LR00	4270-481000	H-1F]	2.5	220	3.5	12	34	130	130	130	RUBY	8	8
	4270-486265	H-1H					22	50	120	120	120		14	14
	2995-481865	I-1K -					8.5 7	10 10	120 100	120 100	120 100		9	10
121KBG2NV00	4270-481000	H-1F	1/4"	3.0	315	4.5	8.5	10	120	120	120	FKM	8	8
	4270-486265	H-1H					10	10	120	120	120		14	14
	-	I-1K]				8.5	10	120	120	120		14	10
121KBG2NVM0	2995-481865	- H-1F	ļ	3.0	315	4.5	7 8.5	10 10	100 120	100 120	100 120	FKM	9	8
(Manual override)	4270-481000 4270-486265	H-1H					10	10	120	120	120		14	14
	-	I-1K					8.5	20	130	130	130		14	10
121KBG2NR00	2995-481865	-]	3.0	315	4.5	7	20	100	100	100	RUBY	9	8
1211Bazinioo	4270-481000	H-1F		0.0	010	1.0	8.5	25	130	130	130	11001	8	8
	4270-486265	H-1H I-1K					15 8.5	36 20	120 120	120 120	120 120		14	14
4041/D00NT00	2995-481865	-			045	4.5	7	20	100	100	100	DTEE	9	8
121KBG2NT00	4270-481000	H-1F		3.0	315	4.5	8.5	25	120	120	120	PTFE	8	8
	4270-486265	H-1H					15	36	120	120	120		14	14
	- 2995-481865	I-1K	-				5 4	10 10	120 100	120 100	120 100		9	10 8
121KBG2QV00	4270-481000	H-1F	1	4.0	480	7.5	5	10	120	120	120	FKM	8	8
	4270-486265	H-1H]				10	10	120	120	120		14	14
101//0000/#10	-	I-1K	1		<u></u>		5	10	120	120	120		14	10
121KBG2QVM0 (Manual Overide)	2995-481865 4270-481000	- H-1F	-	4.0	480	7.5	5	10 10	100 120	100 120	100 120	FKM	9 8	8
(iviailudi UVEIIUE)	4270-481000	H-1F H-1H	1				10	10	120	120	120		14	14
	-	I-1K	j				2.8	7	120	120	120		14	10
121KBG2SV00	2995-481865	-		5.0	750	11	2	7	100	100	100	FKM	9	8
	4270-481000	H-1F	-	0.0	. 00		2.8	7	120	120	120	TIM	8	8
	4270-486265	H-1H I-1K					5 2.8	7	120 120	120 120	120 120		14	14
121KBG2SVM0	2995-481865	-	1	_	750	4.4	2.0	7	100	100	100	FIZA	9	8
(Manual Overide)	4270-481000	H-1F]	5.0	750	11	2.8	7	120	120	120	FKM	8	8
	4270-486265	H-1H					5	7	120	120	120		14	14
	-	I-1K					20	20	100	100	100		14	10
121VVG2GV00	2995-481865	-		1.5	80	1.5	20	20	120	120	120	FKM	9	8
	4270-481000	H-1F					20	20	120	120	120		8	8
10410.00	-	I-1K					16	16	100	100	100	F	14	10
121VVG2JV00	2995-481865			2.0	140	2.5	12	16	100	100	100	FKM		<u> </u>
	-	H-1F					16	16	120	120	120		8	8
	- 2995-481865	I-1K -	-				9 7	14 14	120 100	120 100	120 100		9	10
121VVG2LV00	4270-481000	H-1F		2.0	140	2.5	9	14	120	120	120	FKM	8	8
121VVGZEV00	4270-401000	11 11						14	120	120	120			



Normally Cloased

VESSEL	0 "5 ::		PORT	Body	Flow	Factor	Maxi			EL				wer
MODEL	Coil & Hou	sing	SIZE (PF)	Orifice Size		min)	Oper Pre.(Kg			Fluid Temp		Seal disc		mption N)
NUMBER	Global	Korea	G Thread	(mm)	QN	Kv	DC DC	AC	Gas	Liquid	Oil	uisc	DC	AC
	-	I-1K	a miloud	(11111)	QIV	144	8.5	10	120	120	120		14	10
	2995-481865	-					7	10	100	100	100		9	8
21VVG2NV00	4270-481000	H-1F		3.0	315	4.5	8.5	10	120	120	120	FKM	8	8
	4270-486265	H-1H					10	10	120	120	120		14	14
	-	I-1K					5	10	120	120	120		14	10
21VVG2QV00	2995-481865	-	1/4"	4.0	480	7.5	4	10	100	100	100	FKM	9	8
2	4270-481000	H-1F			100	,	5	10	120	120	120		8	8
	4270-486265	H-1H					10	10	120	120	120		14	14
	2995-481865	I-1K -					2.8	7	120 100	120 100	120 100	-	14 9	10
21VVG2SV00	4270-481000	H-1F		5.0	750	11	2.8	7	120	120	120	FKM	8	8
	4270-486265	H-1H					5	7	120	120	120	1	14	14
	-	I-1K					20	20	120	120	120		14	10
21FBF4GV00	2995-481865	-		1.5	80	1.5	20	20	100	100	100	FKM	9	8
	4270-481000	H-1F					20	20	120	120	120	1	8	8
	-	I-1K					30	60	130	130	130		14	10
21FBF4GR00	2995-481865	-		1.5	80	1.5	25	60	100	100	100	RUBY	9	8
	4270-481000	H-1F					30	75	130	130	130		8	8
	4270-486265	H-1H					55	100	120	120	120		14	14
	200E 40100E	I-1K					30	60	120	120	120	-	14	10
21FBF4GT00	2995-481865 4270-481000	- H-1F		1.5	80	1.5	25 30	60 70	100 120	100 120	100 120	PTFE	9	8
	4270-481000	H-1F H-1H					55	70	120	120	120	1	14	14
	-	I-1K					16	16	120	120	120		14	10
21FBF4JV00	2995-481865			2.0	140	2.5	12	16	100	100	100	FKM		1
	-	H-1F					16	16	120	120	120		8	8
	-	I-1K					18	40	130	130	130		14	10
21FBF4JR00	2995-481865	-		2.0	140	2.5	15	40	100	100	100	RUBY	9	8
2 11 DI 4JNUU	4270-481000	H-1F		2.0	140	2.5	18	48	130	130	130	NODI	8	8
	4270-486265	H-1H					32	70	120	120	120		14	14
	-	I-1K					18	40	120	120	120		14	10
21FBF4JT00	2995-481865	- H-1F		2.0	140	2.5	15	40 48	100 120	100 120	100 120	PTFE	9	8
	4270-481000 4270-486265	H-1H					18 32	70	120	120	120	-	14	14
	4270-400203	I-1K					9	14	120	120	120		14	10
	2995-481865	-					7	14	100	100	100	1	9	8
21FBF4LV00	4270-481000	H-1F		2.5	220	3.5	9	14	120	120	120	FKM	8	8
	4270-486265	H-1H	SB				14	14	120	120	120	1	14	14
	-	I-1K					12	28	130	130	130		14	10
21FBF4LR00	2995-481865	-		2.5	220	3.5	10	28	100	100	100	RUBY	9	8
IZ II DI IZIOO	4270-481000			2.0	LLO	0.0	12	34	130	130	130	11051	8	8
	4270-486265						22	50	120	120	120		14	14
	2005 401005	I-1K					12	28	120	120	120	-	14	10
21FBF4LT00	2995-481865 4270-481000	- H-1F		2.5	220	3.5	10 12	28 34	100 120	100 120	100 120	PTFE	9	8
	4270-481000						22	50	120	120	120	1	14	14
	-	I-1K					8.5	10	120	120	120		14	10
04 EDE 45 1/00	2995-481865	-		0.0	045	4.5	7	10	100	100	100	FIGA	9	8
21FBF4NV00	4270-481000	H-1F		3.0	315	4.5	8.5	10	120	120	120	FKM	8	8
	4270-486265	H-1H					10	10	120	120	120		14	14
	-	I-1K					8.5	20	130	130	130	_	14	10
21FBF4NR00	2995-481865	-		3.0	315	4.5	7	20	100	100	100	RUBY	9	8
	4270-481000	_			-		8.5	25	130	130	130	-	8	8
	4270-486265	H-1H					15	36 20	120	120 120	120 120		14 14	14
	2995-481865	I-1K					8.5 7	20	120 100	100	100		9	8
21FBF4NT00	4270-481000	H-1F		3.0	315	4.5	8.5	25	120	120	120	PTFE	8	8
	4270-486265						15	36	120	120	120		14	14
	-	I-1K					8.5	10	120	120	120		14	10
21FBF4QV00	2995-481865	-]	4.0	315	4.5	7	10	100	100	100	FKM	9	8
4UVUU تا ۱۱ کا ۱۱	4270-481000	H-1F		4.0	313	4.0	8.5	10	120	120	120	i=ΓΛΙVΙ	8	8
	4270-486265	H-1H					10	10	120	120	120		14	14
41/DD6 21 # : - : :		I-1K					7	10	70	70	70	F. 6	14	10
1KBR3QVWV(*)	2995-481865	-		4.0	480	7.5	4	10	70	70	70	FKM	9	8
	-	H-1H	PT3/8"				10	10	100	100	100		8	8
1KBR3SVWV(*)		I-1K -		5.0	750	11	5 2	7	70 70	70 70	70 70	FKM	14 9	10
	1 2000 701000	1 1		0.0	7 30	1 ''	5	7	100	100	100	I I/IVI		0



Solenoid Valves

Normally Open



VESSEL MODEL NUMBER	Coil & Hou	sing	Pipe Size (PF)	Body Orifice Size	_	Factor min)	-	mum ating gf/cm²)	Fluid Temp (°C)	Seal disc	Consu	wer mption V)
INUIVIDEN	Global	Korea	G Thread	(mm)	QN	Kv	DC	AC	(0)		DC	AC
122K63	4270-486265	H-1H	1/4"	3.2	220	4	-	30	120	RUBY	14	14

All K/V/F series numbering system

	2		3		4	5		6		7		8		9		10		11&12
	Actuation	Fu	nctional		Flow	Family		Body		Connection		Pipe	(Orifice		Seal		Options
	Actuation	_	Туре		Pattern	(Series)	M	laterial				Size		code	ı	Material		. Options
1	Direct	2	2-way		2-way	1	Α	Al	Α	SAE	0	Sub-base	Α		С	CR	00	No Option
				1	Normally Closed	2	В	Brass	Ε	NPT Male	1	1/8"	В		Ε	EPDM	A2	Silver shading
2	Direct Lift	3	3-way	2	Normally Open	4	L	Noryl	F	Flange	2	1/4"	С		F	PCTFE		Ring
				3	Multi purpose	5	R	316SS	G	BSP	3	3/8"	D			(Kel F)	J1	Exhaust
3	Pilot operated	4	4-way	9	Normally Open	6	S	430SS		parallel	4	1/2"	E	1.0mm	K	PFPM		Adaptor Nut
	Internal supply				Pressure in body	8	Т	Teflon	R	BSP	5	3/4"	F			(Kalrez)	M0	Manual override
				l	Pressure out sleeve	9	٧	303SS		Taper	6	1"	G	1.5mm	L	Nylon	W0	Anti-water
4	Pilot operated					F			J	Fitting	7	1-1/4"	J	2.0mm	М	Metal		Hammer
	External supply				3-way	G			N	NPT Female	8	1-1/2"	L	2.5mm	N	NBR	RF	For refrigeration
				1	Normally Closed	Н				(National	9	2"	N	3.0mm	R	Ruby	S0	STEAM
5	Remote			2	Normally Open	K				Pipe thread)	С	2-1/2"	Q	4.0mm	Т	PTFE	WV	Replaced WV
	Pressure			3	Multi purpose	R					D	3"	S	5.0mm		(Teflon)		
	operated			8	Diverting	V							U	6.0mm	٧	FKM		
				9	Normally Open								1~9			(Viton)		
6	Manual				Pressure out body													
	operated				Pressure in sleeve													
					4-way													
ĺ				1	2-position													
				2	3-position													

VESSEL		HOUSING NUT & WASHER		COIL VO	LTAGE		REMARK
121KBG2LV00	-	4270		481000C2			STD/ALL
131VVG2LV00	-	Н	-	1F	-	4K	KOR ONLY
	-	1	-	1K	-	C2	ALL



Note: (*) are for korean market only.

* Connection Thread type: Available NPT, PT. Need consultation

^{*} Pipe size : 1/8" available, need consulation

3/2 Way Direct Operated

Model: 131K/V/F, 133K/F Series



Features

- General Purpose Solenoid Valve
- 3-Way Direct lift
- Operated on Zero MOPD
- Air, Water, Inert gas, Oil, Corrosive fluid and Steam applicapable.
- Applied Seal: FKM, Ruby and Factory consult need for NBR, EPDM

Application

- Air Compressores
- Diesel oil burners
- Water treatment plants
- Vending machine
- Packing machine

Specifications

• Body - Brass : 131K/F, 133K

303 StSt: 131V

- Seal FKM, Ruby, PTFE and NBR with factory consult
- Sleeve StSt 303,7000
- Coil Refer the Electrical part table on the last page
- Body thread type: NPT, PT available with factory consult



NORMALLY CLOSED



VESSEL	0,1		PORT	Body	Flow Factor (L/min)	Min	Maxi	imum					Po	wer	
MODEL	Coil & Hous	ing	SIZE	Orifice	(L/min)	Min Operating		rating	Seal	F	luid Tem	p(°C)	Consu	mption	
NUMBER			(PF)	Size		(L/min) (Pr	Pre.(Kgf/Cm ²)	Pre.(K	gf/cm ²)	disc					N)
NOMBEN	Global	Korea	G Thread	(mm)	QN	N Kv Pre	i ic.(i\gi/ciii)	DC	AC		Gas	Liquid	Oil	DC	AC
131KBG2BT00	4270-481000	H-1F		8.0	-	0.3	0	40	40	PTFE	-	75	75	8	8
131KBG2BR00	4270-481000	H-1F		0.8	_	0.2	0	-	75	RUBY	-	130	-	8	8
131NDGZDNUU	4270-486265	H-1F		0.0	-	0.5		75	-	nubi	-	140	-	14	14
	-	I-1K]					15	15		100	100	100	14	10
131KBG2GV00	4270-481000	H-1F]	1.5	80	1.5	0	15	15	FKM	120	120	120	8	8
	2995-481865							15	15		100	100	100	9	8
131KBG2GVM0	-	I-1K						15	15		100	100	100	14	10
(Manual	4270-481000	H-1F		1.5	80	1.5	0	15	15	FKM	120	120	120	8	8
override)	2995-481865							15	15		100	100	100	9	8
,	-	I-1K						10	10		100	100	100	14	10
131KBG2JV00	4270-481000	H-1F		2.0	140	2.5	0	10	10	FKM	120	120	120	8	8
101110020100	2995-481865		1	2.0	110	2.0		10	10	1133	100	100	100	9	8
131KBG2JVM0	2333 401003	I-1K						10	10		100	100	100	14	10
(Manual	4270-481000	H-1F		2.0	140	2.5	0	10	10	l FKM	120	120	120	8	8
override)		11-11		2.0	140	2.0	0	10	10	LIVIVI	100	100	100	9	8
Override)	2995-481865	1.41/	1/4"												
4041/00011/00	- 4070 404000	I-1K		0.5	000	م ر		7	7	FIZA	100	100	100	14	10
131KBG2LV00	4270-481000	H-1F		2.5 220 3.5		0	7	7	FKM	120	120	120	8	8	
	2995-481865							7	7		100	100	100	9	8
131KBG2LVM0	-	I-1K						7	7		100	100	100	14	10
(Manual	4270-481000	H-1F		2.5	220	3.5	0	7	7	FKM	120	120	120	8	8
override)	2995-481865							7	7		100	100	100	9	8
	-	I-1K						15	15		100	100	100	14	10
131VVG2GV00	4270-481000	H-1F		1.5	80	1.5	0	15	15	FKM	120	120	120	8	8
	2995-481865							15	15		100	100	100	9	8
	-	I-1K						10	10		100	100	100	14	10
131VVG2JV00	4270-481000	H-1F		2.0	140	2.5	0	10	10	FKM	120	120	120	8	8
	2995-481865							10	10		100	100	100	9	8
	-	I-1K						7	7		100	100	100	14	10
131VVG2LV00	4270-481000	H-1F		2.5	220	3.5	0	7	7	FKM	120	120	120	8	8
	2995-481865							7	7		100	100	100	9	8
		I-1K						15	15		100	100	100	14	10
131FBG4GV00	4270-481000	H-1F	-	1.5	80	1.5	0	15	15	FKM	120	120	120	8	8
10112414100	2995-481865			1.0	00	1.0		15	15		100	100	100	9	8
131FBG4GVM0	2000 101000	I-1K						15	15		100	100	100	14	10
(Manual		H-1F		1.5	80	1.5	0	15	15	FKM	120	120	120	8	8
override)	2995-481865	11 11		1.0	00	1.0		15	15	IIIIII	100	100	100	9	8
Ovorridoj	2330-401003	I-1K						10	10		100	100	100	14	10
131FBG4JV00	4270-481000	H-1F		2.0	140	2.5	0	10	10	FKM	120	120	120	8	
13170043700		n-IF		2.0	140	2.5	U			FNIVI					8
1015501	2995-481865	1.417	SB					10	10		100	100	100	9	8
131FBG4JVM0	4070 404000	I-1K		0.0	1.40	0.5		10	10	F1/3.4	100	100	100	14	10
(Manual	4270-481000	H-1F		2.0 140 2.5		0	10	10	FKM	120	120	120	8	8	
override)	2995-481865	1 214						10	10		100	100	100	9	8
		I-1K						7	7		100	100	100	14	10
131FBG4LV00	4270-481000	H-1F		2.5	220	3.5	0	7	7	FKM	120	120	120	8	8
	2995-481865							7	7		100	100	100	9	8
131FBG4LVM0		I-1K						7	7		100	100	100	14	10
(Manual	4270-481000	H-1F		2.5	220	3.5	0	7	7	FKM	120	120	120	8	8
override)	2995-481865							7	7	<u></u>	100	100	100	9	8

UNIVERSAL

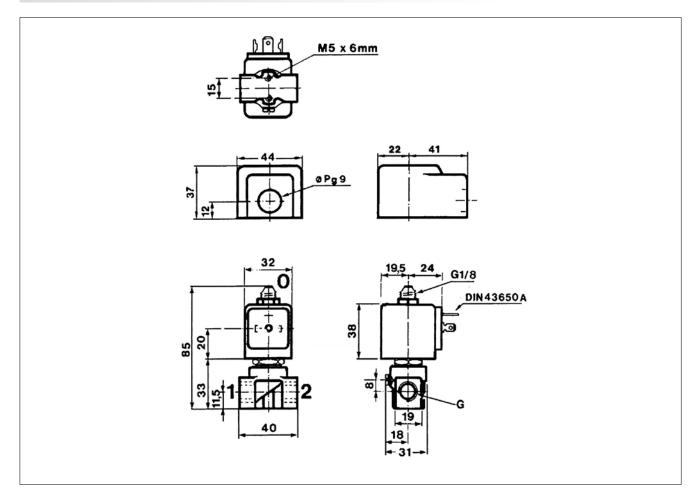


VESSEL MODEL	Coil & Housir	ng	PORT SIZE (PF)	Body Orifice Size		Factor min)	Min Operating Pre.(Kgf/	Maxi Oper Pre.(Kç	ating	Seal disc	Flu	uid Temp(°	°C)	Consu	wer mption V)
NUMBER	Global	Korea	G Thread	(mm)	QN	Kv	Cm ²)	DC	AC		Gas	Liquid	Oil	DC	AC
		I-1K						10	10		100	100	100	14	10
133KBG2GV00	4270-481000	H-1F		1.5	80	1.5	0	10	10	FKM	120	120	120	8	8
	2995-481865							10	10		100	100	100	9	8
133KBG2GVM0		I-1K						10	10		100	100	100	14	10
(Manual	4270-481000	H-1F		1.5	80	1.5	0	10	10	FKM	120	120	120	8	8
override)	2995-481865							10	10		100	100	100	9	8
		I-1K						7	7		100	100	100	14	10
133KBG2JV00	4270-481000	H-1F		2.0	140	2.5	0	7	7	FKM	120	120	120	8	8
	2995-481865							7	7		100	100	100	9	8
133KBG2JVM0		I-1K						7	7		100	100	100	14	10
(Manual	4270-481000	H-1F		2.0	140	2.5	0	7	7	FKM	120	120	120	8	8
override)	2995-481865							7	7		100	100	100	9	8
,		I-1K						4	4		100	100	100	14	10
133KBG2LV00	4270-481000	H-1F	1/4"	2.5	220	3.5	0	4	4	FKM	120	120	120	8	8
	2995-481865		., .					4	4		100	100	100	9	8
133KBG2LVM0	2000 101000	I-1K						4	4		100	100	100	14	10
(Manual	4270-481000	H-1F		2.5	220	3.5	0	4	4	FKM	120	120	120	8	8
override)	2995-481865			2.0		0.0		4	4	1100	100	100	100	9	8
,	2000 101000	I-1K						10	10		100	100	100	14	10
133VVG2GV00	4270-481000	H-1F		1.5	80	1.5	0	10	10	FKM	120	120	120	8	8
10011424100	2995-481865			1.0		1.0		10	10	1144	100	100	100	9	8
	2000 101000	I-1K						7	7		100	100	100	14	10
133VVG2JV00	4270-481000	H-1F		2.0	140	2.5	0	7	7	FKM	120	120	120	8	8
100000	2995-481865			2.0	1 10	2.0		7	7	I I KIVI	100	100	100	9	8
	2000 101000	I-1K						4	4		100	100	100	14	10
133VVG2LV00	4270-481000	H-1F		2.5	220	3.5	0	4	4	FKM	120	120	120	8	8
100000	2995-481865			2.0	220	0.0		4	4	I I KIVI	100	100	100	9	8
	2000 101000	I-1K						10	10		100	100	100	14	10
133FBG4GV00	4270-481000	H-1F		1.5	80	1.5	0	10	10	FKM	120	120	120	8	8
1001 Ba Tavoo	2995-481865			1.0		1.0		10	10	I I I I I I	100	100	100	9	8
133FBG4GVM0	2000 101000	I-1K						10	10		100	100	100	14	10
(Manual	4270-481000	H-1F		1.5	80	1.5	0	10	10	FKM	120	120	120	8	8
override)	2995-481865			1.0		1.0		10	10	I I I I I I	100	100	100	9	8
31311143)	2000 401000	I-1K						7	7		100	100	100	14	10
133FBG4JV00	4270-481000	H-1F		2.0	140	2.5	0	7	7	FKM	120	120	120	8	8
1001 0040 000	2995-481865	11 11		2.0	1-10	2.0	J	7	7	TAIVI	100	100	100	9	8
12250041/040	2335-401003	I-1K	SB					7	7		100	100	100	14	10
133FBG4JVM0 (Manual	4270-481000	H-1F		2.0	140	2.5	0	7	7	FKM	120	120	120	8	8
override)	2995-481865	11211		۷.0	140	2.0	J	7	7	I INIVI	100	100	100	9	8
37311140)	2335-401003	I-1K						4	4		100	100	100	14	10
133FBG4LV00	4270-481000	H-1F		2.5	220	3.5	0	4	4	FKM	120	120	120	8	8
133110441400	2995-481865	11-15		2.0	220	3.5	U	4	4	LIVIVI	100	100	100	9	8
10050041740	2990-401000	I-1K						4	4		100	100	100	14	10
133FBG4LVM0	4070 401000			0.5	220	2.5									
(Manual override)	4270-481000	H-1F		2.5	220	3.5	0	4	4	FKM	120	120	120	8	8
override)	2995-481865							4	4		100	100	100	9	8

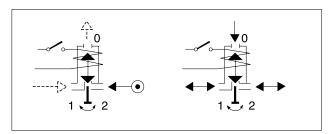


Dimensions

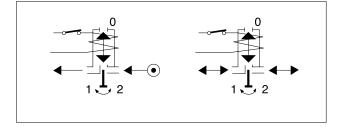
131K, 133K Series



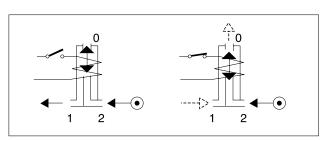
Valve Code Reference



Normal Close



Normal Open



Universal

2/2 Way Valve, Direct Operated

Model: WV121S Series







StSt body with Scoil



Brass body with H coil



StSt body with H coil



Plastic body with S coil

Features

Normally closed

• Body: Brass, StSt 303, Plastic

• Coil: S or H

Operated on Zero MOPD

• Air, Water Inert gas, Oil, Corrosive fluid applicapable

Applied Seal : FKM, NBR, SiliconA miniature, High Performance

• UL/CE approved for 'S' coil

• Body thread type: NPT, PF available with factory consult

Specifications

- Body Brass, StSt 303
- Seal FKM and NBR with factory consult
- Sleeve StSt 303, 7000
- Coil Refer the Electrical part table on the last page
- Long life cycle (I Million)
- Manifold configurations
- Standard FKM seal
- UL & CE components recognized

Valve body numbering

Valve Body	Port & Body	Orifice Size	Flow Factor		Operating (kgf/cm ²)	Fluid Temp
,	,	(mm)	(Kv)	DC	AC	°C
WV121S221GV		1.6	1.3	10	15	75
WV121S221JV		2.0	1.9	7	10	75
WV121S221LV	1/8 inch, PT, Brass	2.5	2.8	5	7	75
WV121S221NV		3.0	3.2	4	5	75
WV121S221QV		4.0	3.5	2	4	75
WV121S222GV		1.6	1.3	10	15	75
WV121S222JV		2.0	1.9	7	10	75
WV121S222LV	1/4 inch, PT, Brass	2.5	2.8	5	7	75
WV121S222NV		3.0	3.2	4	5	75
WV121S222QV		4.0	3.5	2	4	75
WV121S121GV		1.6	1.3	10	15	75
WV121S121JV		2.0	1.9	7	10	75
WV121S121LV	1/8 inch, PT, St steel	2.5	2.8	5	7	75
WV121S121NV	0.001	3.0	3.2	4	5	75
WV121S121QV		4.0	3.5	2	4	75
WV121S122GV		1.6	1.3	10	15	75
WV121S122JV	57 0.	2.0	1.9	7	10	75
WV121S122LV	1/4 inch, PT, St Steel	2.5	2.8	5	7	75
WV121S122NV	Steel	3.0	3.2	4	5	75
WV121S122QV		4.0	3.5	2	4	75
121S432KS	1/4 Inch, NPT, Plastic	2.5	2.8	5	7	75

Coil numbering

You can add following coil umber to valve body part number

1) I-1S Coil : 5 different voltage available I-1S-PO : AC24/50~60 (5W) I-1S-P3 : AC110/50,AC120/60 (5W) I-1S-Q3 : AC220/50,AC240/60 (5.5W)

I-1S-C1 : DC12V (6W) I-1S-C2 : DC24V (6W)

2) H-WS Coil: 4 different voltage available

H-WS-B5: AC110/60 (8W) H-WS-B7: AC220/60 (8W) H-WS-C1: DC12V (9W) H-WS-C2: DC24V (9W)

Ordering example

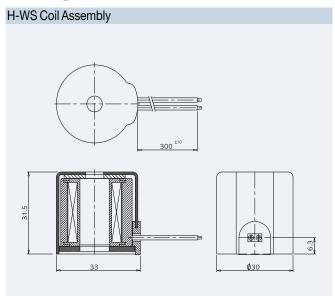
If you want brass body, 1/8 inch pipe size with PT connection, I coil with AC240V/50Hz, then, you can order as followes.

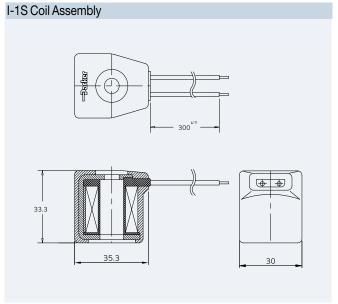
Factory consult need for NPT, PF thread

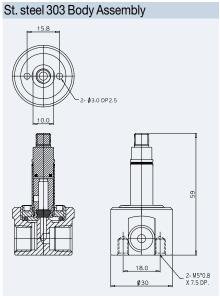
"WV121S221LV I-1S-Q3"

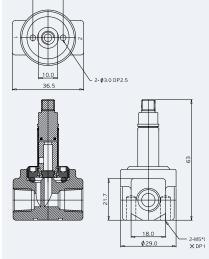


Drawing (Unit:mm)

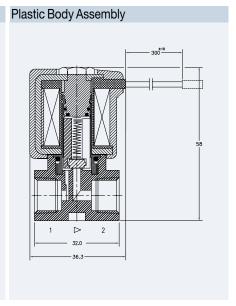








Brass Body Assembly



3/2 Way Direct Operated

Model: WV131S Series



Brass body with S coil



StSt body with S coil

Features

Normally Closed

• Body: Brass, StSt 303

• Coil: S or H

Operated on Zero MOPD

• Air, Water Inert gas, Oil, Corrosive fluid applicapable

• Applied Seal : FKM, NBR

• A miniature, High Performance

UL/CE approved for 'S' coil

• Body thread type: NPT, PF available

with factory consult

Specifications

- Body -Brass, StSt 303
- Seal -FKM and NBR with factory consult
- Sleeve -StSt 303, 7000
- Coil -Refer the Electrical part table on the last page

Response Time

• 25 to 40 milliseconds

Duty Cycle

Continuous Duty

Mounting

 For direct pipe mounting or 2-M 5 * 0.8 mm screws

Normally Closed



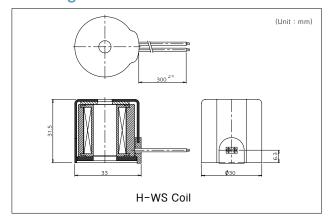
VESSEL MODEL NUMBER	COIL & HOUSING	Pipe Size	Body Kv Factor	Sleeve Orifice Size	Body Orifice Size		mum ating Kgf/cm2)	Seal disc	Fluid Temp.
NOWIDER			racioi	(mm)	(mm)	DC	AC		
WV131S222GV	I-1S-XX		1.3	1.6	1.6	6	6	FKM	75
WV1313222GV	H-WS-XX		1.3	1.0	1.0	0	0	Frivi	75
WV131S222JV	I-1S-XX	PT 1/4	1.9	1.6	2.0	4.5	4.5	FKM	75
WV1313222JV	H-WS-XX	F1 1/ 4	1.9	1.0	2.0	4.5	4.5	Frivi	75
WV131S222LV	I-1S-XX		2.8	1.6	2.5	3	3	FKM	75
WVISISZZZLV	H-WS-XX		2.8	1.0	2.5	3	3	FNIVI	/3

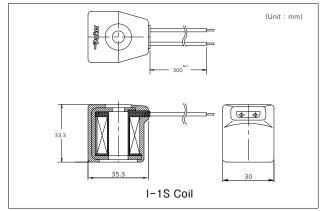
^{*} Connection Thread type: Available NPT, PT. Need consultation

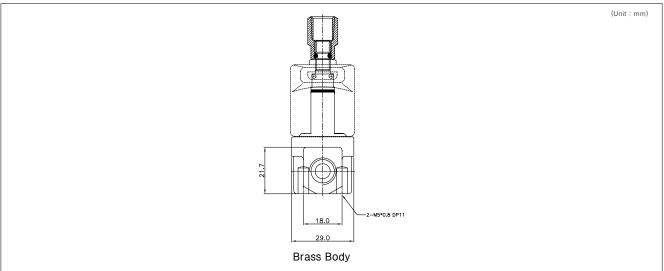
^{*} Pipe size : 1/8" available, need consulation

^{*} StSt 303 body available with factory counsult

Drawing







WV121/131 Series Numbering system

	1		2		3	4		5		6		7		8		9	10		11
A	ctuation	Fu	nctional Type	F	Flow Pattern	Family (Series)		Body //aterial	Con	nection	Pip	e Size	Orifi	ice code		Seal aterial	Coil type		Voltage/Hz
1	Direct	2	2-way	1	N.C	S	1	SUS303	1	PF	1	1/8"	G	1.6mm	N	NBR	I-1S	P0	AC24/50~60
		3	3-way	2	N.O		2	Brass	2	PT	2	1/4"	J	2.0mm	Ε	EPDM		Р3	AC110/50,AC120/60
				3	MULTI				3	NPT			L	2.5mm	V	VITON		Q3	AC220/50,AC240/60
				9	Pressure								N	3.0mm		(FKM)		C1	DC12V
					out the								Q	4.0mm	С	CR		C2	DC24V
					sleeve												H-WS	P0	AC24/50~60
																		B5	AC110/60
																		В7	AC220/60
																		C1	DC12V
																		C2	DC24V

Solenoid Valves

2/2Way Magnalift

Model: 221G Series



Features

- Normally closed
- Body : Brass
- 7000 sleeve assembled
- Coil: All of 7000 sleeve coil available
- Operated on nearly Zero MOPD
- Air, Water, Inert gas, Oil and Steam applicapable
- Applied Seal : FKM, NBR, EPDM
- Body thread type: NPT, PT available with factory consult

Application

- Thermohydraulic system Autoclaves
- Oil burner, Bolier Molding machines
- Steam generators Sterilisation system
- Industrial washing machines
- Washing systemBoiling system
- Cooling of machine tools Hospital equipment

Normally Closed, Water, Air, Gas, light oil



RE	FERENCE N			PORT SIZE (PF)	ORIFICE (mm)	,	FLOW L/mir	1)		MISSIE PRES (BAR)	SURE		MAX. FLUID TEMP.(°C'		SEAL		wer W)
VESSEL NO.	HOUSING	Gobal CC)IL Korea	G Thread	(,		uids Qmax	Gases Qn	Min	DC	AC AC	Gas	Liquids	0il		DC	AC
		GUDAI	1K			KV	Ulliax	QII		<u>ъ</u>	16	100	75	100		14	10
	2995	481865	-							-	16	100	75	100		9	8
221G13	4270	481000	-		15	65	65	4500	0	-	16	100	75	100	NBR	8	8
221013	4270	486265	-		15	00	05	4300	0	7	-	100	75	100	INDIN	14	14
	Н	-	1F							-	16	100	75	100		8	8
	H	-	1H	3/8"						7	- 16	100	75	100		14	14
	2995	- 481865	1K -							-	16	100 100	-	100 100		14 9	10 8
	4270	481000	-							-	16	120	-	120		8	8
221G23	4270	486265	-		15	65	65	4500	0	7	20	120	-	140	FKM	14	10
	Н	-	1F							-	16	120	-	120		8	8
	Н	-	1H							7	20	120	-	140		14	10
	0005	- 404005	1K							-	16	100	75	100		14	10
	2995	481865	-							-	16 16	100 100	75 75	100		9	8
221G15	4270 4270	481000 486265	-		15	65	65	4500	0	7	- 10	100	75	100	NBR	14	14
	H	-	1F							-	16	100	75	100		8	8
	Н	-	1H	1/2"						7	-	100	75	100		14	14
	I	-	1K	1/2						-	16	100	-	100		14	10
	2995	481865	-							-	16	100	-	100		9	8
221G25	4270	481000	-		15	65	65	4500	0	-	16	120	-	120	FKM	8	8
	4270 H	486265	- 1F							7	20 16	120 120	-	140 120		14 8	10 8
	H	-	1H							7	20	120	-	140		14	10
		-	1K							-	16	100	75	100		14	10
	2995	481865	-							-	16	100	75	100		9	8
221G16	4270	481000	-		15	80	80	6000	0	-	16	100	75	100	NBR	8	8
221010	4270	486265	-		10	00		0000	0	7	-	100	75	100	INDIT	14	14
	H	-	1F 1H							7	16	100 100	75 75	100		8	8
		-	1K	3/4"						-	16	100	- 75	100		14	10
	2995	481865	-							_	16	100	-	100		9	8
221G26	4270	481000	-		15	80	80	6000	0	-	16	120	-	120	FKM	8	8
221020	4270	486265	-		15	00	00	0000	U	7	20	120	-	140	LLVIA	14	10
	H	-	1F							-	16	120	-	120		8	8
	Н	-	1H 1K							7	20 16	120 100	75	140		14 14	10
	2995	- 481865	1K							-	16	100	75	100 100		9	10 8
004047	4270	481000	-			00	0.0	0000		-	16	100	75	100	NES	8	8
221G17	4270	486265	-		15	80	80	6000	0	7	-	100	75	100	NBR	14	14
	Н	-	1F							-	16	100	75	100		8	8
	Н	-	1H	1"						7	-	100	75	100		14	14
	0005	- 404005	1K	'						-	16	100	-	100		14	10
	2995 4270	481865 481000	-							-	16 16	100 120	-	100 120		9	8
221G27	4270	481000	-		15	80	80	6000	0	7	20	120	-	140	FKM	14	10
	H	-	1F							-	16	120	-	120		8	8
	H	-	1H							7	20	120	-	140		14	10



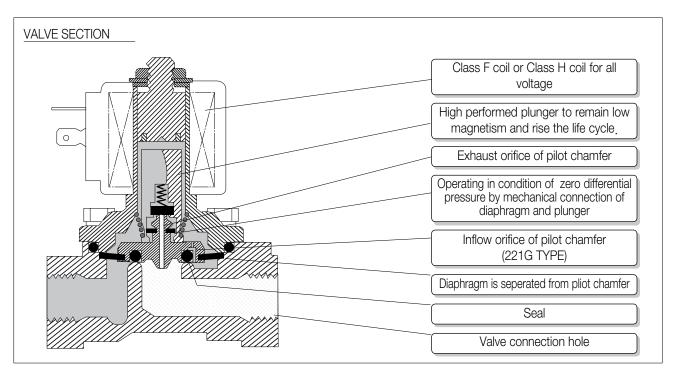
Normally Cloased, Steam application



REFERE	NCE NO.			PORT SIZE	ORIFICE		FLOW (L/mir			MISSII PRES (BAR)	SURE	M/ FLI TEMI	JID	SEAL		wer N)
VESSEL NO.	HOUSING	CC	OIL	(PF) G Thread	(mm)	Lic	luids	Gases	Min	M	ax	WATER	STEVM		DC	AC
VESSEE NO.	TIOOSING	Gobal	Korea			kv	Qmax	Qn	IVIIII	DC	AC	WAILI	OTLAW		ЪС	٨٥
	I	-	1K							-	10	100	-		14	10
	2995	481865	481865							-	10	100	-		9	8
	4270	481000	1F							-	10	120	-		8	8
221G1303	4270	486265	-	3/8"	15	65	65	4500	0	7	10	120	-	EPDM	14	14
	4270	486265	-							4	4	-	140		14	14
	Н	-	1H							7	10	120	-		14	14
	Н	-	1H							4	4	-	140		14	14
	I	-	1K							-	10	100	-		14	10
	2995	481865	481865							-	10	100	-		9	8
	4270	481000	1F							-	10	120	-		8	8
221G1503	4270	486265	-	1/2"	15	65	65	4500	0	7	10	120	-	EPDM	14	14
	4270	486265	-							4	4	-	140		14	14
	H	-	1H							7	10	120	-		14	14
	Н	-	1H							4	4	-	140		14	14
	<u> </u>	-	1K		·					-	10	100	-		14	10
	2995	481865	481865		·					-	10	100	-		9	8
0010100	4270	481000	1F							-	10	120	-	50011	8	8
221G1603	4270	486265	-	3/4"	15	80	80	6000	0	7	10	120	-	EPDM	14	14
	4270	486265	-							4	4	-	140		14	14
	H	-	1H							7	10	120	- 440		14	14
	Н	-	1H							4	4	100	140		14	14
	<u> </u>	- 481865	1K 481865							-	10	100	-		14 9	10 8
	2995 4270	481000	481865							_	10	120	-		8	8
221G1703	4270	486265		1"	15	80	80	6000	0	7	10	120	-	EPDM	14	14
22101703	4270	486265	-	'	10	00	00	0000	U	4	4	-	140	CLDIAI	14	14
	4270 H	480200	- 1H							7	10	120	140		14	14
	Н	_	1H							4	4	120	140		14	14
	П		III		<u> </u>					4	4		140		14	14

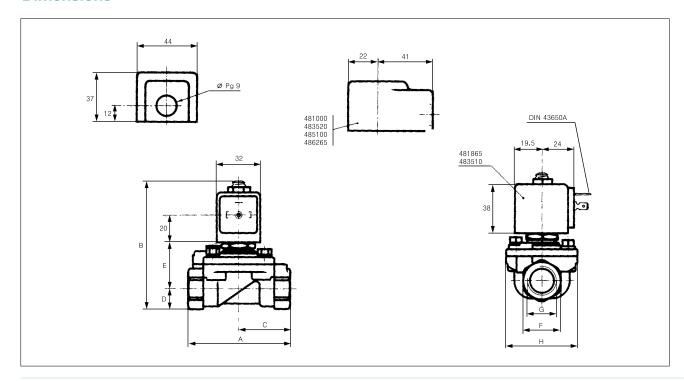
*Port type: Available NPT, PT. Need consultation





Modle				Dime	nsion			
IVIOGIO	Α	В	С	D	E	F	G	Н
221G 3/8"	75	93	37.5	15	34	27	10	-
221G 1/2"	75	93	37.5	15	34	27	15	-
221G 3/4"	80	95.5	40	17.5	34	32	20	53
221G 1"	85	102.5	42.5	22.5	46	41	25	53

Dimensions





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2/2 Way Valve (Magnalift)

Model: NKV Series







Features

- Normally closed
- Body : Brass
- 7000 sleeve assembled
- Coil: All of 7000 sleeve coil available
- Operated on nearly Zero MOPD
- Air, Water, Inert gas, Oil and Steam applicapable
- Applied Seal : FKM, NBR, EPDM
- Body thread type: NPT, PF available with factory consult

Specification

Major material features

- Body -Brass
- Seal -FKM,EPDM,NBR
- Sleeve StSt 303,7000

Rated Voltage & Power Consumption

• Please refer to table #1 on the back side

Respons time

• Open / Close time: 80 ~ 100 ms

Ambient temperature

• 0 ~ 50°C

Fluid temperature

- 60°C Water & Air (NBR)
- 100°C Oil (FKM)
- 140°C Steam (EPDM)

Port size Rc (PT)

• 1/2", 3/4", 1" (PF/NPT, Factory Consulting)





Normally closed ,Air,Water, Oil ,Steam

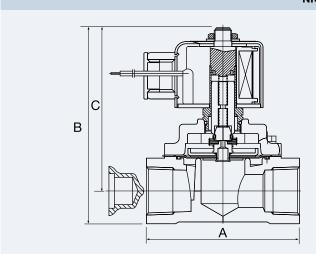
F	REFEREN	CE NO.		PORT SIZE	ORIFICE	FLOW (L/MIN) (L/min)		ADMISSIBLI F. PRESSU (BAR)		MA FLU TEMP	JID	SEAL	Pov (V	ver V)
VESSEL NO. H	HOUSING :	CC		(PT) Thread	(mm)	Liquids	Min		ax	Water	Oil		DC	AC
		Gobal	Korea			IXV		DC	AC	00			- 4	10
-	0005	- 401005	1K					-	10	60	-		14	10
_	2995	481865	-					-	10	60	-		9	8
NKV10N	4270	481000	-		15	40	0	-	10	60	-	NBR	8	8
	4270	486265	-					7	10	60	-		14	14
_	H	-	1F	0 (0 !!				-	10	60	-		8	8
	Н	-	1H	3/8"				7	10	60	-		14	14
-	2995	481865	-					-	10	60	100		9	8
	4270	481000	-					-	10	60	100		8	8
NKV10F	4270	486265	-		15	40	0	7	10	60	100	FKM	14	14
	Н	-	1F					-	10	60	100		8	8
	H	-	1H					7	10	60	100		14	14
L		-	1K					-	10	60	-		14	10
_	2995	481865	-					-	10	60	-		9	8
NKV15N	4270	481000	-		15	50	0	-	10	60	-	NBR	8	8
	4270	486265	-					7	10	60	-		14	14
	Н	-	1F		15			-	10	60	-		8	8
	Н	-	1H	1/2"				7	10	60	-		14	14
	2995	481865	-					-	10	60	100		9	8
	4270	481000	-					-	10	60	100		8	8
NKV15F	4270	486265	-		15	50	0	7	10	60	100	FKM	14	14
	Н	-	1F					-	10	60	100		8	8
	Н	-	1H					7	10	60	100		14	14
	I	-	1K					1	10	60	-		14	10
	2995	481865	-					ı	10	60	-		9	8
NKV20N	4270	481000	-		24	90	0	-	10	60	-	NBR	8	8
INNVZUN	4270	486265	-			90	U	7	10	60	-	INDI	14	14
	Н	-	1F					-	10	60	-		8	8
	Н	-	1H	3/4"				7	10	60	-		14	14
	2995	481865	-					-	10	60	100		9	8
	4270	481000	-					-	10	60	100		8	8
NKV20F	4270	486265	-		24	90	0	7	10	60	100	FKM	14	14
	Н	-	1F					-	10	60	100		8	8
	Н	-	1H					7	10	60	100		14	14
	I	-	1K					-	10	60	-		14	10
	2995	481865	-					-	10	60	-		9	8
NIGUOSNI	4270	481000	-		07	400	0	-	10	60	-	NDD	8	8
NKV25N —	4270	486265	-		27	120	0	7	10	60	-	NBR	14	14
	Н	-	1F					-	10	60	-		8	8
	Н	-	1H	1"				7	10	60	-		14	14
	2995	481865	-					-	10	60	100		9	8
	4270	481000	-					-	10	60	100		8	8
NKV25F	4270	486265	-		27	120	0	7	10	60	100	FKM	14	14
	Н	-	1F					-	10	60	100		8	8
	Н	-	1H					7	10	60	100		14	14

Normally Cloased, Steam application



	REFERE	NCE NO.		PORT SIZE	ORIFICE	FLOW (L/MIN) (L/min)		ADMISSIBLI F. PRESSU (BAR)		M./ FLI TEMF	JID	SEAL	Pov (V	-	
VESSEL	HOUSING	CC)IL	(PT) Thread	(mm)	Liquids	Min	М	ax	WATER	STEAM				
N0.	TIOOSING	Gobal	Korea			kv	IVIIII	DC	AC				DC	AC	
	I	-	1K						10	80	-		14	10	
	2995	481865	481865					-	10	80	-		9	8	
	4270	481000	1F					-	10	80	-		8	8	
NKV10E	4270	486265	-	3/8"	15	40	0	7	10	80	-	EPDM	14	14	
	4270	486265	-					4	4	80	140		14	14	
	Н	-	1H					7	10	80	-		14	14	
	Н	-	1H					4	4	80	140		14	14	
	I	-	1K					-	10	80	-		14	10	
	2995	481865	481865					-	10	80	-		9	8	
	4270	481000	1F					-	10	80	-		8	8	
NKV15E	4270	486265	-	1/2"	15	50	0	7	10	80	-	EPDM	14	14	
	4270	486265	-					4	4	80	140		14	14	
	Н	-	1H					7	10	80	-		14	14	
	Н	-	1H					4	4	80	140		14	14	
	I	-	1K					-	10	80	-		14	10	
	2995	481865	481865					-	10	80	-		9	8	
	4270	481000	1F					-	10	80	-		8	8	
NKV20E	4270	486265	-	3/4"	24	90	0	7	10	80	-	EPDM	14	14	
	4270	486265	-					4	4	80	140		14	14	
	Н	-	1H					7	10	80	-		14	14	
	Н	-	1H					4	4	80	140		14	14	
	I	-	1K					-	10	80	-		14	10	
	2995	481865	481865					-	10	80	-		9	8	
	4270	481000	1F					-	10	80	-		8	8	
NKV25E	4270	486265	-	1"	27	120	0	7	10	80	-	EPDM	14	14	
	4270	486265	-			27 120	120		4	4	80	140		14	14
	Н	-	1H						7	10	80	-		14	14
	Н	-	1H					4	4	80	140		14	14	

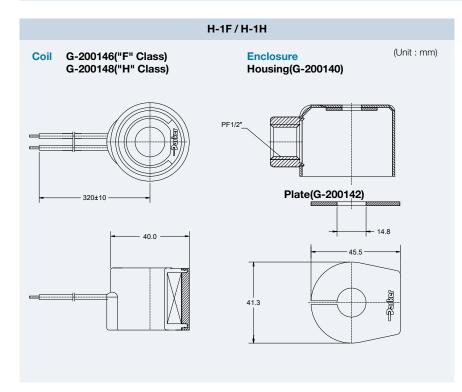
Dimensions



(Unit : mm)

Series(Fitting size)		Dimension	
Selles(i ittilig size)	Α	В	С
NKV 3/8"	72	100	85
NKV 1/2"	72	100	85
NKV 3/4"	84	108	90
NKV 1"	95	118	95





(Table #1) Code Volts / Hz Watt Coil C1 DC12 H-1H 14 C2 DC24 A2 24/50 B2 24/50 **6**J 110/60, 115/60 8 H-1F 110/50, 115/50 0A 220/60, 240/60 4K 220/50, 230/50 ЗА 24/50 A2 OP 100/50, 115/60 **A5** 110/50 14 H-1H B7 220/60 S2 200/50, 230/60 220/50

Rated Voltage & Power Consumption

How to Order

NKV 15 N-H-1F-C1

- Valve series
- Port size
 - 10 PT3/8"
 - 15 PT1/2"
 - 20 PT 3/4"
 - 25 PT1"
- Seal material
 - N NBR

- Enclosure & Coil
 - H-1F 1/2" PF Conduit
 - 8 Watt, "F" Class
 - H-1H 1/2" PF Conduit 14 Watt, "H" Class
- 6 Rated voltage code
- See Table #1

- FKM
- E EPDM

2/2 Way Valve (Magnalift)

Model: 221S Series





Features

- Normally closed
- Body: StSt 316
- 7000 sleeve assembled
- Coil : All of 7000 sleeve coil available
- Operated on nearly Zero MOPD
- Oil, gase, Steam and corrosive fluid applicapable
- Applied Seal: FKM, EPDM and NBR with factory consult
- Body thread type: NPT, PT available with factory consult

Application

- Chiller (Semiconductor)
- Food and fluid Press process
- Oil and gase applied equipment
- Printing machine
- Testing equipment

Normally Cloased

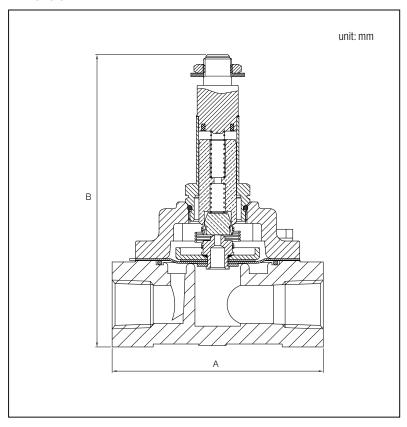
	REFERENCI	E NO.		PORT SIZE (PF)	ORIFICE (mm)	FLOW (L/MIN) (L/min)		ADMISSIE F. PRESS (BAR)		FLI	AX. JID P.(°C)	SEAL		wer V)	
VESSEL NO.	HOUSING	CC)IL	G Thread	. , ,	Liquids	Min		Лах	Water	Steam				
Lucifer	HOOOHVA	Gobal	Korea	d IIIIodd		KV	IVIIII	DC	AC	wator	Ottain		DC	AC	
	- 1	-	1K					-	10	85			14	10	
	2995	481865	1-1					-	10	85			9	8	
221S10F	4270	481000	-		15	40	0	-	10	85		FKM	8	8	
2213101	4270	486265	-		15	40		7	10	85		I IVIVI	14	14	
	Н	-	1F					-	10	85			8	8	
	Н	-	1H	3/8"				7	10	85			14	14	
	2995	481865	-					-	10	85	-		9	8	
	4270	481000	-					-	10	85	-		8	8	
221S10E	4270	486265	-		15	40	0	4	4	-	140	EPDM	14	14	
	Н	-	1F					-	10	85			8	8	
	Н	-	1H					4	4	-	140		14	14	
	I	-	1K					-	10	85			14	10	
	2995	481865	-					-	10	85			9	8	
221S15F	4270	481000	-		15	50	0	-	10	85		FKM	8	8	
2213131	4270	486265	-		15	50	U	7	10	85		LIVIVI	14	14	
	Н	-	1F					-	10	85			8	8	
	Н	-	1H	1/2"				7	10	85			14	14	
	2995	481865	-					-	10	85			9	8	
	4270	481000	-					-	10	85			8	8	
221S15E	4270	486265	-		15	50	50 0	0	4	4	-	140	EPDM	14	14
	Н	-	1F					-	10	85			8	8	
	Н	-	1H					4	4	-	140		14	14	



Normally Cloased

	REFERENC	E NO.		PORT SIZE (PF)	ORIFICE (mm)	FLOW (L/MIN) (L/min)		ADMISSIE F. PRESS (BAR)		M/ FLI TEMI		SEAL	_	wer V)	
VESSEL NO.	HOUSING	CO		G Thread	(11111)	Liquids	Min		Лах	Water	Steam				
Lucifer	Tiodoliva	Gobal	Korea	a miloda		KV	IVIIII	DC	AC		Ottain		DC	AC	
	I	-	1K					-	10	85			14	10	
	2995	481865	-					-	10	85			9	8	
221S20F	4270	481000	-		24	95	0	-	10	85		FKM	8	8	
2213201	4270	486265	-		24	95	U	7	10	85		I IXIVI	14	14	
	Н	-	1F					-	10	85			8	8	
	Н	-	1H	3/4"				7	10	85			14	14	
	2995	481865	-					-	10	85			9	8	
	4270	481000	-					-	10	85			8	8	
221S20E	4270	486265	-		24	95	0	4	10	-	140	FKM	14	14	
	Н	-	1F					-	10	85			8	8	
	Н	-	1H					4	10	-	140		14	14	
	I	-	1K					-	10	85			14	10	
	2995	481865	-					-	10	85			9	8	
221S25F	4270	481000	-		24	105	0	-	10	85		FI/M	8	8	
221525F	4270	486265	-		24	105	0	7	10	85		FKM	14	14	
	Н	-	1F					-	10	85			8	8	
	Н	-	1H	1'				7	10	85			14	14	
	2995	481865	-					-	10	85			9	8	
	4270	481000	-					-	10	85			8	8	
221S25E	4270	486265	-		24	105	105 0	0	4	4	85	140	EPDM	14	14
	Н	-	1F					-	10	85			8	8	
	Н	-	1H					4	4	85	140		14	14	

Dimension



Size		Mo	odel	
Size	221S10F	221S15F	221S20F	221S25F
А	72	72	72	83
В	100	100	117	117



2/2Way Pilot Operated

Solenoid Valves

Model: 321G Series





Normally Cloased, Water, Air application

Features

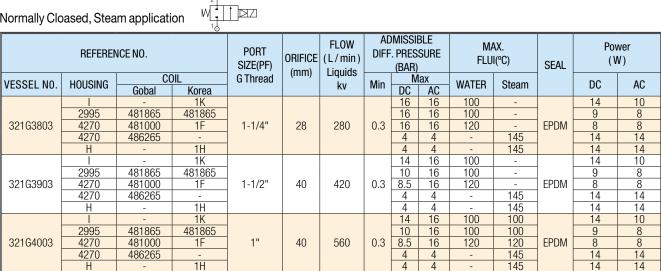
- General Purpose Solenoid Valve
- 2-Way Pilot Operated
- Air, Water, and Steam applicapable.
- Applied Seal: NBR, EPDM

Application

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

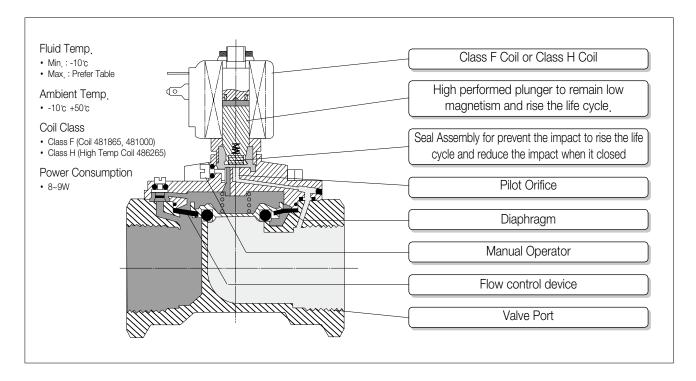
	REFERE			PORT SIZE	ORIFICE	FLOW (L/MIN) (L/min)		ADMISSIBL F. PRESSU (BAR)	IRE	MAX. FLUID (°C)	SEAL	Pov (V	
VESSEL NO.	HOUSING	Gobal CC)IL Korea	(PF) G Thread	(mm)	Liquids	Min	DC M	ax AC	Water		DC	AC
	ı	3.5.3.3.	1K			11.0		16	16	75		14	10
	2995	481865	-	1				16	16	75		9	
E321G3610	4270	481000	_	3/4"	20	135	0.3	16	16	75 75	NBR	8	8 8 8
	H	-	1F	1				16	16	75		8	8
	Ï	-	1K					16	16	75		14	10
F00100710	2995	481865	-	1"	0.5	100	0.0	16	16	75 75	NDD	9	8
E321G3710	4270	481000	-	1 1"	25	180	0.3	16	16	75	NBR	8	8
	Н	-	1F					16	16	75		8	8
	I	-	1K					16	16	75		14	10
	2995	481865	-					16	16	75		9	8
E321G3810	4270	481000	-	1-1/4"	28	280	0.3	16 16	16	75 75	NBR	8	8 8 8
L32103010	Н	-	1F	1-1/4	20	200	0.0		16	75	INDIT	8	
	4270	486265	-	_				16	20	75 75		14	14
	H	-	1H					16	20			14	14
		-	1K					8.5	16	75		14	10 8
	2995	481865	-	-				10	16	75		9	8
E321G3910	4270	481000	-	1-1/2"	40	420	0.3	8.5	16	75	NBR	8	8
	4270	486265	-					16	20	75		14	14
	H	-	1F	-				8.5	16	75		8	8
	H	-	1H					16	20 16	75		14	14
	I	401005	1K	-				8.5 10	16	75 75		14	10
	2995 4270	481865	-	+				8.5	16	75		9	8
E321G4010	4270	481000	-	2"	40	560	0.3	16	20	75	NBR	14	14
	<u>4270</u> H	486265	- 1F	1				8.5	<u>20</u> 16	75		8	8
	<u>п</u> Н	-	1H	1				16	20	75		o 14	14
	- 11	-						10	20	10		14	14

Normally Cloased, Steam application



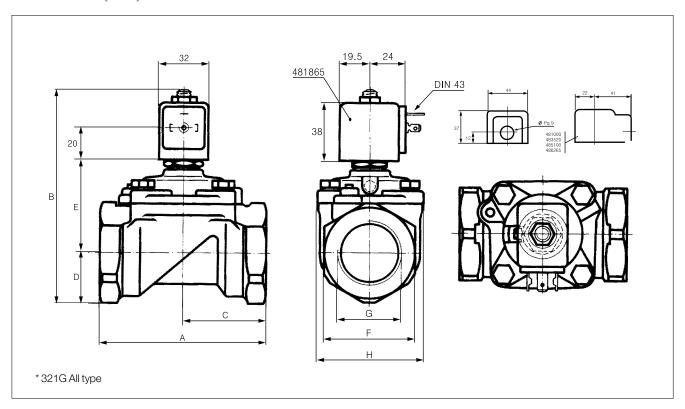
1H

Solenoid Valves



Model				Dimer	sions			
IVIOGEI	Α	В	С	D	E	F	G	Н
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)





2/2 Way Pilot Operated

Model: 321K Series



Features

- Normally Closed , Universal
- 7000 Sleeve
- Body : Brass
- Coil: All of 7000 sleeve suitable coil available
- A minimum operating pressure is required
- Air, Water ,Inert gas, Oil applicapable
- Shunt-off applications of liquids with high flow and pressure
- Applied Seal: FKM, EPDM with Factory consult

Application

- Fire system
- Air dryer
- Water treatment system

Normally Cloased, Water, Air application



Valve	REFERE	NCE NO.)IL	PORT SIZE (PF)	ORIFICE (mm)	FLOW (L/MIN) (L/min)		ADMISSIBLE FF. PRESSUI (BAR) M:	RE	MAX. FLUID TEMP.(°C)	SEAL	Pov (V	-
Reference no	HOUSING	Gobal	Korea	G Thread	,	Liquids KV	Min	DC	AC	Water		DC	AC
321K4106	1 2995 4270 H	- 481865 481000 -	1K - - 1F	1/42	12	30	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8
321K4156	2995 4270 H	- 481865 481000	1K - - 1F	1/4"	12	30	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8
321K4306	1 2995 4270 H	- 481865 481000 -	1K - - 1F	2/0"	12	45	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8
321K4356	1 2995 4270 H	- 481865 481000	1K - - 1F	3/8"	12	45	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8
321K4506	1 2995 4270 H	- 481865 481000	1K - - 1F	4 (0)	12	50	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8
321K4556	1 2995 4270 H	- 481865 481000	1K - - 1F	1/2"	12	50	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8
321K4606	1 2995 4270 H	- 481865 481000 -	1K - - 1F	3/4"	18	100	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8
321K4656	2995 4270 H	- 481865 481000 -	1K - - 1F	5/4	18	100	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8
321K4706	1 2995 4270 H	- 481865 481000 -	1K - - 1F	1"	18	110	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8
321K4756	2995 4270 H	- 481865 481000 -	1K - - 1F	ı	18	110	0.3	12 12 12 12	12 12 12 12	100 100 100 100	FKM	14 9 8 8	10 8 8 8



2/2Way Pilot Operated

Model: E321H Series





Features

- Normally Closed
- 7000 Sleeve
- Body: Brass
- Coil : All of 7000 sleeve suitable coil available
- A minimum operating pressure is required
- Air, Water ,Inert gas, Oil applicapable
- Shunt-off applications of liquids with high flow and pressure
- Applied Seal : FKM , EPDM with Factory consult

Application

- Oil Burner
- Blow former
- Compressor
- Industrial machine

Normally Cloased



R	EFERENCE	NO.		PORT SIZE		FLOW (L/MIN)		ADMISSIB FF. PRESS			MAX. FLUID			Pov Consu	wer mption						
Valve Reference	HOHOMO	CC)IL	(PF)	ORIFICE (mm)	(L/min)		(BAR)			TEMP.(°C)		SEAL	(V							
no	HOUSING			G	(mm)	Liquids	Min		ax	Gas	Liguid	Oil		DC	AC						
		Gobal	Korea	(Inch)		KV	IVIIII	DC	AC												
	I	-	1K					30	40	-	100	100		14	10						
	2995	481865	-					25	40	-	100	100		9	8						
E321H21	4270	481000	-		8	36	0.3	30	40	-	100	100	FKM	8	8						
10211121	4270	486265				00	0.0	40	40	-	100	100	l i i i i i	14	14						
	Н	-	1F	1/4"				30	40	-	100	100		8	8						
	Н	-	1H	1/7				40	40	-	100	100		14	14						
	- 1	-	1K					30	40	100	75	100		14	10						
E321H11	2995	481865	-		8	36	0.3	25	40	100	75	100	NBR	9	8						
LUZIIIII	4270	481000	-		0	30	0.0	30	40	100	75	100	NDIT	8	8						
	Н	-	1F					30	40	100	75	100		8	8						
	I	-	1K					30	40	-	100	100		14	10						
	2995	481865	-					25	40	-	100	100		9	8						
E321H23	4270	481000	-		11	50	0.3	30	40	-	100	120	FKM	8	8						
L3211123	4270	486265			11	30	0.5	40	40	-	100	140	I MIVI	14	14						
	Н	-	1F	3/8"				30	40	-	100	120		8	8						
	Н	-	1H	3/0				40	40	-	100	140		14	14						
		-	1K					30	40	100	75	100		14	10						
E321H13	2995	481865	-		11	50	0.3	25	40	100	75	100	NBR	9	8						
E3211113	4270	481000	-		11	50	0.5	30	40	100	75	100	INDI	8	8						
	Н	-	1F					30	40	100	75	100		8	8						
	-	-	1K					30	40	-	100	100		14	10						
	2995	481865	-					25	40	-	100	100		9	8						
E321H25	4270	481000	-		14.5	60	0.3	30	40	-	100	120	FKM	8	8						
E3211123	4270	486265			14.0	00	U.S	40	40	-	100	140	LLVIAI	14	14						
	Н	-	1F	1/2"				30	40	-	100	120		8	8						
	Н	-	1H] 1/2				40	40	-	100	140		14	14						
	I	-	1K					30	40	100	75	100		14	10						
F221U1F	2995	481865	-		15	60	0.3	0.3	0.0	0.0	0.0	0.0	0.0	25	40	100	75	100	NBR	9	8
E321H15	4270	481000	-		15	00			30	40	100	75	100	INDI	8	8					
	Н	-	1F					30	40	100	75	100		8	8						

2/2Way Pilot (Piston) Operated

Model: 708N Series





Features

- Normally Closed
- Body : Brass
- 7000 sleeve assembled
- Coil: All of 7000 sleeve coil available
- Steam applicapable in High pressure (8bar) and temperature(180°c)
- Applied Seal : Teflon
- Body thread type: NPT, PT available with factory consult

Applications

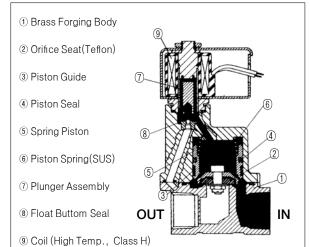
- Ironing machines
- Tanning plants
- A Sterilizer
- Food and fluid steam Press process
- A dyeing machine
- Hospital equipment
- Tobacco plants

Normally Closed

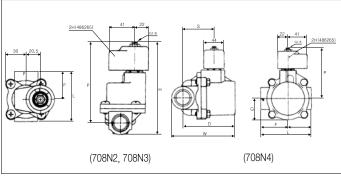


	REFEREN	CE NO.		PORT SIZE (PF)	ORIFICE	FLOW (L/min)		ADMISSIBLE FF. PRESSUI (BAR)		MAX. FLUID TEMP.(°C)	SEAL	Power (W)	
VECCEL NO	HOHOING	CC)IL	G (INCH)	(mm)	Liquids kv	Min	M	ax	Ctoom		40	DC
VESSEL NO.	HOUSING	Gobal	Korea	(IIVCII)		NV	Min	DC	AC	Steam		AC	DC
708N2	4270	486265	-	1/2	15	62	0.3	-	8	180		14	-
/ UOINZ	Н	-	1H-XX	1/2	15	02	0.3	-	8	180		14	-
708N3	4270	486265	-	3/4	19	79	0.3	-	8	180	TEFLON	14	-
700113	Н	-	1H-XX	3/4	19	79	0.3	-	8	180	IEFLON	14	-
700114	4270	486265	-	1	28	195	0.3	-	8	180		14	-
708N4	Н	-	1H-XX			190	0.3	-	8	180		14	-

Cross Section Drawing



Dimensions



Model		Dimension														
iviouei	Н	Р	L	F	G	S	D	W								
708N2	129	115	68	36	-	-	-	-								
708N3	134.5	118	70	36	-	-	-	-								
708N4	-	100.5	98	54	41	59.5	93	115								

Coil Reference

Housing & Coil Part	7000	WV	Consur	Power mption(Watt)	Coil			24/50	24/60	24/50~60	42/50, 48/60	48/50	100/50	110/50	110/50	110/60	100/50	110/60
No.	Sleeve	Series Sleeve	DC	AC	Insulation Class	Certification	USED ON			~60	48/60		100/50, 110/60)	110/50, 115/50	O	100/50, 115/60	110/60, 115/60
4270-481000	- OK		8	8	F	NA		A2	B2		S7	A4			OA			6J
4270-486265	OK .	-	14	14	Н	NA	GP All	A2						A5			OP	
2995-481865	OK	-	9	8	F	CE	GI AII	A2	B2					A5				
I-1K	OK	-	14	10	F	UL, CE							8P					
I-1S	_	OK	6	5.5	F	UL, CE	WV121S			PO			8P					
H-WS	-	OK	9	8	F	NA	WV131S			PO						B5		
H-1F	OK	-	8	8	F	NA	GP All	A2	B2						OA			6J
Н-1Н	UN	-	14	14	Н	NA	(KOR Markt)	A2						A5			OP	



Coil Reference

Housing & Coil Part No.	110/50, 120/60	115/60	200/50, 220/60	220/50	220/60	220/50, 230/50	200/50, 230/60	220/50, 240/60	220/60, 240/60	230/50	230/60	380/50	380/50, 440/60	12/DC	24/DC	48/DC	110/DC	220/DC	Housing type	
4270-481000						3D			4K				5P	C1	C2	C4	C5	C7	Coil Housing with screw terminals	
4270-486265				A7	В7		S2			F4		A9		C1	C2	C4			Coil Housing with screw terminals	
2995-481865		K8									J3			C1	C2	C4	C5		Coils for din plug connection IP67 Lucifer coil	
I-1K	P3		9P					Q3		F4				C1	C2				Molded lead wire	
I-1S	P3		9P					Q3						C1	C2				Molded lead wire	
H-WS					B7									C1	C2				Coil Housing	
H-1F									4K					C1	C2				Coil Housing with screw terminals	
H-1H				A7	B7		S2							C1	C2				Coil Housing with screw terminals	

Memo



Memo



