ПРЕДПРИЯТИЕ МАКСАЭРО

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МаксАЭРО

Электромагнитные клапаны XCPC серии SLP дополнительные характеристики

МаксАЭРО

XCPC®

2 Position 2 Way Solenoid Valves

This kind of valve widely used in wide different industry, you can find the valve with different material like brass, stainless steel, engineering plastic, and they are used for pressure range from 0 to 50 bar, temperature from -10 ℃ to 180℃. If there is no current models with your meet, please contact us, we are available to provide specialized valves according to your requirement.

General Information About Solenoid Valve

Inner structure and categories of two way solenoid valves

Direct acting solenoid valves

Including normal close style (N.C.) and normal open style(N.O.). The N.C. style solenoid valve stay close at power off condition. When poweron, the coil yields electricity-magnetic force, which exceed the spring force and hence pulls active armature approaching to static armature, the valve becomes open; when power off, the electricity-magnetic force disappear and the active armature go back to its original place by the spring force, the valve close. The N.O. style is just opposite. These valve are normally simple structure, dependable action, fast response, high, frequency and with ≤6mm small orifice size(N.O. style ≤4mm).

Diaphragm pilot solenoid valves

This style valve makes main valve and pilot valve together, when power on, the coil yields electricity-magnetic force pulls active armature approaching to static armature, the pilot valve open and control the main valve to open; when power off, the electricity-magnetic force disappear and with the gravity and spring force, the active armature close the pilot valve, which control the main valve to close. The N.O. style is just opposite.These valve are normally with bigger orifice size and ≤10Bar working pressure and with zero differential working pressure.

Piston pilot solenoid valves

Similar with piston pilot solenoid valves, but supports for higher pressure and temperature,with ≥1 Bar differential working pressure.

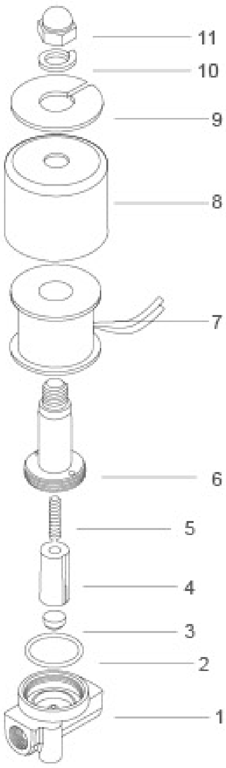
Seal Features

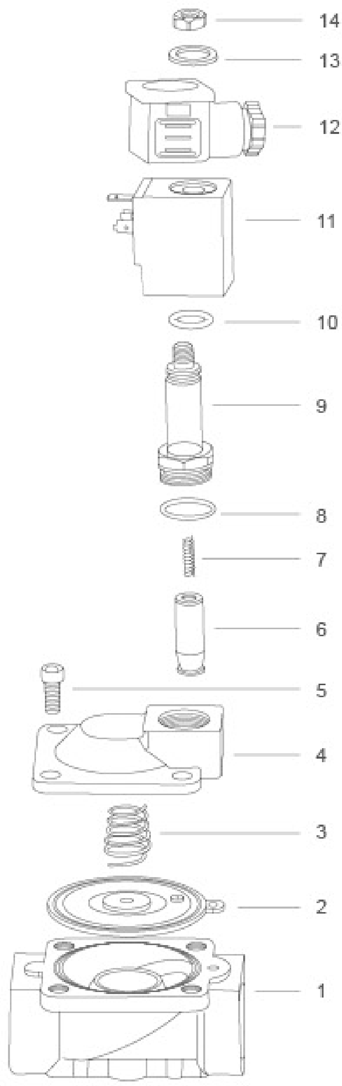
Material / Medium / Applicability	NBR	HNBR	EPDM	VMQ	FKM	PTFE	PU
Highest working temperature	80℃	120℃	120℃	180℃	120℃	200℃	80℃
Lowest working temperature	-5℃	-10℃	-20℃	-40℃	-20℃	-50℃	-20℃
Anti-burning	×	×	×	△	◎	◎	△
Steam	×	△	◎	○	△	○	×
Oil	◎	◎	×	△	◎	◎	◎
O_3	△	◎	◎	◎	◎	◎	◎
Chemical	△	○	◎	◎	◎	◎	◎
Acid	△	○	◎	△	◎	◎	×
Alkality	○	◎	◎	△	◎	◎	×
Water	○	○	◎	○	○	◎	◎
Wearing	○	◎	○	×	○	◎	◎
Anti distortion	○	○	○	◎	○	×	×
Tension	◎	◎	◎	×	○	×	◎

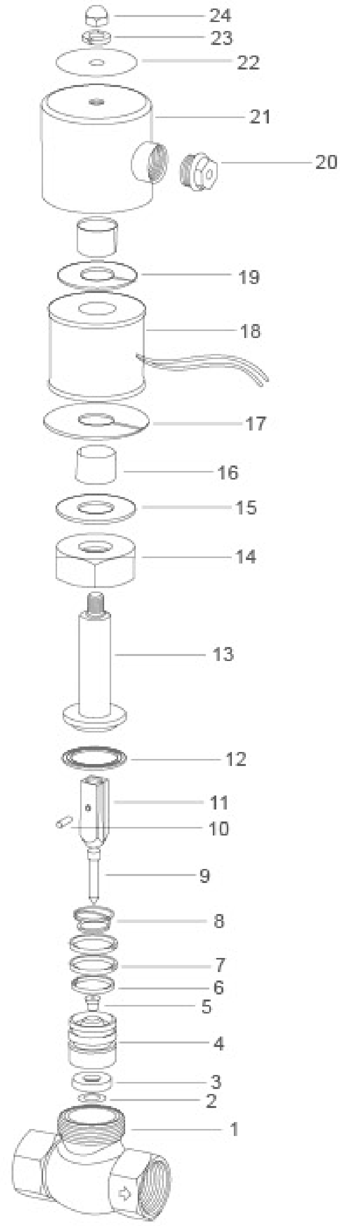
Description of the symbol: ◎ Very good ○ Good △ Normal level × Not OK

General Information About Solenoid Valve

Part List



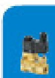




No	Designation
1	Valve body
2	O-ring
3	Seal pad
4	Pilot
5	Spring
6	Armature
7	Coil
8	Steel washer
9	Washer
10	Spring washer
11	Nut

No	Designation
1	Valve body
2	Diaphragm
3	Diaphragm spring
4	Valve cover
5	Hexagon screw
6	Pilot units
7	Plunger Spring
8	O-ring
9	Plunger tube assembly
10	O-ring
11	Coil
12	Connector
13	Gasket
14	Lock Nut

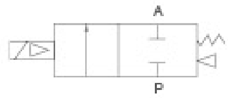
No	Designation	No	Designation
1	Valve body	13	Static armature
2	Washer	14	Nut
3	Seal pad	15	Gasket
4	Valve core	16	Bushing
5	Seal	17	Steel plate
6	Gasket	18	Coil
7	Guide ring	19	Steel plate
8	Spring	20	Nut
9	Valve needle	21	Steel cover
10	Pin	22	Min plate
11	Armature	23	Spring washer
12	Seal ring	24	Nut



E

SLP Series 2/2 Solenoid Valve(Normal Close)

Graphic Symbol



Ordering Code

SLP	06	□	—	E2	3L	S1	H

SLP Series

Port Size
- 06: G1/8"
- 08: G1/4"
- 10: G3/8"
- 15: G1/2"
- 20: G3/4"
- 25: G1"
- 35: G1-1/4"
- 40: G1-1/2"
- 50: G2"
- F: Flange

Seal Material
- Blank: NBR
- V: VITON
- E: EPDM

Voltage
- E1: AC110V
- E2: AC220V
- E3: AC380V
- E4: DC24V
- E5: DC12V
- E6: AC36V
- E7: AC24V
- E8: DC110V
- E9: DC48V
- E10: DC36V

Orifice(mm)
- 1L: 1.0
- 1.5L: 1.5
- 2.5L: 2.5
- 3L: 3.0
- 4L: 4.0
- 5L: 5.0
- 6L: 6.0
- 10L: 10.0
- 10.5L: 10.5
- 13L: 13.0
- 20L: 20.0
- 25L: 25.0
- 35L: 35.0
- 40L: 40.0
- 50L: 50.0

$\left.\begin{array}{l}20L \\ 25L \\ 35L \\ 40L \\ 50L\end{array}\right\}$ Cancel if same with port size

Body material
- Blank: Brass
- S1: SS316

Control style
- Blank: Normal close
- H: Normal open

- SLP series,2 port,2 position, 1/8" port size, NBR Seal, AC110V, Orifice: 3mm, Brass valve body, normal close, model: SLP06E1-3L
- SLP series,2 port,2 position, 3/8" port size, VITON Seal, AC220V, Orifice: 13mm, SS316 valve body, normal open,model: SLP10VE2-13LS1H

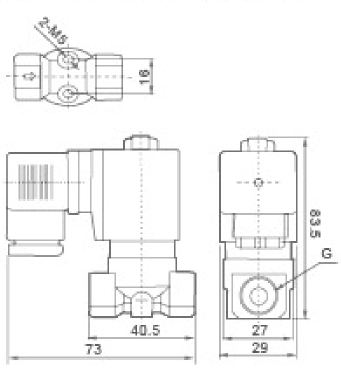
Product Features

- Normal Close,available body: brass,SS316.
- Multiple seals are available for different medium.
- Wide size range from 1/8" to 2" with both thread and flange connection.
- Diaphragm pilot solenoid valve, with lower working pressure.

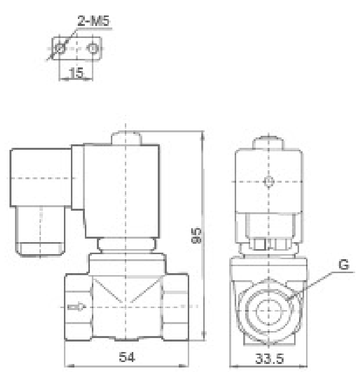
E

Overall Dimensions

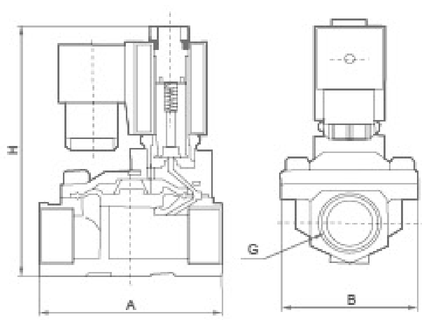
Φ3mm,Φ4mm, G1/8",G1/4",G3/8"



Φ10.5mm, G1/4",G3/8",G1/2"



big orifice



SLP Series 2/2 Solenoid Valve(Normal Close)

Specifcation

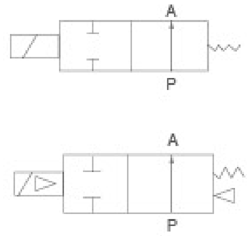
Port size (G)	Orifice (mm)	CV value	Pressure difference(Bar)				Max. temperature (℃)	Power		Model 220VAC 50/60Hz		Overall dimension
			Min. pressure	Max.working pressure				VA	W	Brass	Stainless steel	Length ×Width × Height
				Air、Gas	Water、Hot water、Liquid	Light oil ≤20CST		AC 220	DC 24V			A × B ×H(mm)
1/8"	3	0.23	0	13	13	10	80	22	13	SLP06E2-3L	SLP06E2-3LS1	
	3	0.23	0	13	13	-	130	22	13	SLP06EE2-3L	SLP06EE2-3LS1	
	3	0.23	0	13	13	10	120	22	13	SLP06VE2-3L	SLP06VE2-3LS1	
1/4"	3	0.23	0	13	13	10	80	22	13	SLP08E2-3L	SLP08E2-3LS1	
	3	0.23	0	13	13	-	130	22	13	SLP08EE2-3L	SLP08EE2-3LS1	
	3	0.23	0	13	13	10	120	22	13	SLP08VE2-3L	SLP08VE2-3LS1	
	10.5	1.47	0	10	10	10	80	22	13	SLP08E2-10.5L	-	
	10.5	1.47	0	10	10	-	130	22	13	SLP08EE2-10.5L	-	
	10.5	1.47	0	10	10	10	120	22	13	SLP08VE2-10.5L	-	
3/8"	3	0.3	0	13	13	10	80	22	13	SLP10E2-3L	SLP10E2-3LS1	
	3	0.3	0	13	13	10	130	22	13	SLP10EE2-3L	SLP10EE2-3LS1	
	3	0.3	0	13	13	10	120	22	13	SLP10VE2-3L	SLP10VE2-3LS1	
	4	0.6	0	8	8	6	80	22	13	SLP10E2-4L	SLP10E2-4LS1	
	4	0.6	0	8	8	6	130	22	13	SLP10EE2-4L	SLP10EE2-4LS1	
	4	0.6	0	8	8	6	120	22	13	SLP10VE2-4L	SLP10VE2-4LS1	
	10.5	1.68	0	10	10	10	80	22	13	SLP10E2-10.5L	-	
	10.5	1.68	0	10	10	-	130	22	13	SLP10EE2-10.5L	-	
	10.5	1.68	0	10	10	10	120	22	13	SLP10VE2-10.5L	-	
	13	4.5	0.5	16	16	13	80	22	13	SLP10E2-13L	SLP10E2-13LS1	
	13	4.5	0.5	16	16		130	22	13	SLP10EE2-13L	SLP10EE2-13LS1	
	13	4.5	0.5	16	16	13	120	22	13	SLP10VE2-13L	SLP10VE2-13LS1	
1/2"	10.5	1.75	0	10	10	10	80	22	13	SLP15E2-10.5L	-	66×48×112
	10.5	1.75	0	10	10	-	130	22	13	SLP15EE2-10.5L	-	66×48×112
	10.5	1.75	0	10	10	10	120	22	13	SLP15VE2-10.5L	-	66×48×112
	13	4.5	0.5	16	16	13	80	22	13	SLP15E2-13L	SLP15E2-13LS1	66×48×112
	13	4.5	0.5	16	16		130	22	13	SLP15E2-13L	SLP15E2-13LS1	66×48×112
	13	4.5	0.5	16	16	13	120	22	13	SLP15E2-13L	SLP15E2-13LS1	66×48×112
3/4"	20	7.6	0.5	16	16	13	80	22	13	SLP-20E2	SLP-20E2S1	75×58×118
	20	7.6	0.5	16	16		130	22	13	SLP-20EE2	SLP-20EE2S1	75×58×118
	20	7.6	0.5	16	16	13	120	22	13	SLP-20VE2	SLP-20VE2S1	75×58×118
1"	25	12	0.5	16	16	13	80	22	13	SLP-25E2	SLP-25E2S1	96×70×131
	25	12	0.5	16	16		130	22	13	SLP-25EE2	SLP-25EE2S1	96×70×131
	25	12	0.5	16	16	13	120	22	13	SLP-25VE2	SLP-25VE2S1	96×70×131
1-1/4"	35	22	0.5	16	16	13	80	22	13	SLP-35E2	SLP-35E2S1	131×96×146
	35	22	0.5	16	16		130	22	13	SLP-35EE2	SLP-35EE2S1	131×96×146
	35	22	0.5	16	16	13	120	22	13	SLP-35VE2	SLP-35VE2S1	131×96×146
1-1/2"	40	30	0.5	16	16	13	80	22	13	SLP-40E2	SLP-40E2S1	131×96×146
	40	30	0.5	16	16		130	22	13	SLP-40EE2	SLP-40EE2S1	131×96×146
	40	30	0.5	16	16	13	120	22	13	SLP-40VE2	SLP-40VE2S1	131×96×146
2"	50	48	0.5	16	16	13	80	22	13	SLP-50E2	SLP-50E2	165×120×167
	50	48	0.5	16	16		130	22	13	SLP-50EE2	SLP-50EE2	165×120×167
	50	48	0.5	16	16	13	120	22	13	SLP-50VE2	SLP-50VE2	165×120×167
Flange conn-ection	25	12	0.5	16	16	13	80	80	13	-	SLPFE2-25LS1	134×110×160
	25	12	0.5	16	16		130	130	13	-	SLPFEE2-25LS1	134×110×160
	25	12	0.5	16	16	13	120	120	13	-	SLPPFVE-25VLS1	134×110×160
Flange conn-ection	35	22	0.5	16	16	13	80	22	13	-	SLPFE2-35LS1	160×135×175
	35	22	0.5	16	16		130	22	13	-	SLPFEE2-35LS1	160×135×175
	35	22	0.5	16	16	13	120	22	13	-	SLPFVE2-35LS1	160×135×175
Flange conn-ection	40	30	0.5	16	16	13	80	22	13	-	SLPFE2-40LS1	160×145×180
	40	30	0.5	16	16		130	22	13	-	SLPFEE2-40LS1	160×145×180
	40	30	0.5	16	16	13	120	22	13	-	SLPFVE2-40LS1	160×145×180
Flange conn-ection	50	48	0.5	16	16	13	80	22	22	-	SLPFE2-50LS1	200×160×207
	50	48	0.5	16	16		130	22	22	-	SLPFEE2-50LS1	200×160×207
	50	48	0.5	16	16	13	120	22	22	-	SLPFEE2-50LS1	200×160×207

E

SLP Series 2/2 Solenoid Valve(Normal Open)



Graphic Symbol

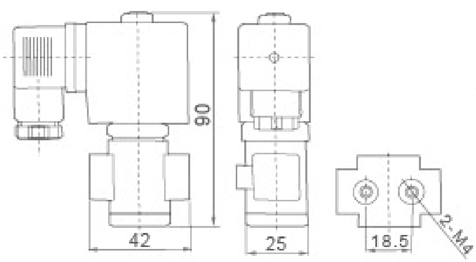


Product Features

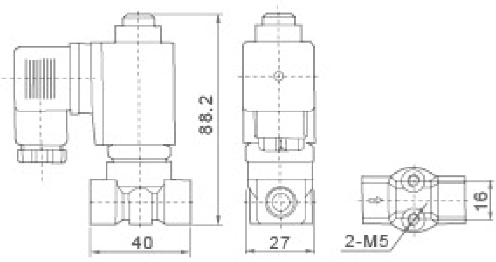
- Normal open,available body: brass,SS316
- Multiple seals are available for different medium
- Wide size range from 1/8" to 2", with both thread and flange connection
- Diaphragm pilot solenoid valve, with lower working pressure

Overall Dimensions

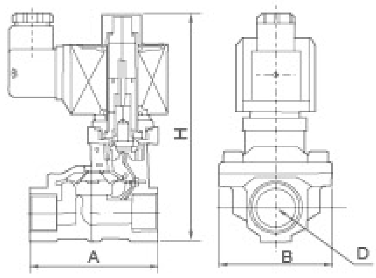
Φ1–Φ2.5mm, G1/8",G1/4"



Φ3–Φ3mm, G1/8",G1/4"



big orifice



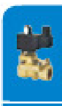
Specifcation

Port size (G)	Orifice (mm)	CV value	Pressure difference(Bar)				Max. temperature (℃)	Power		Model 220VAC 50/60Hz	
			Min. pressure	Max.working pressure				VA	W	Brass	Stainless steel
				Air、Gas	Water、Hot water、Liquid	Light oil ≤20CST		AC 220	DC 24V		
1/8"	1	0.04	0	30	30	25	80	22	13	SLP06E2-1LH	SLP06E2-1LS1H
	1	0.04	0	30	30	-	130	22	13	SLP06EE2-1LH	SLP06EE2-1LS1H
	1	0.04	0	30	30	25	120	22	13	SLP06VE2-1LH	SLP06VE2-1LS1H
	1.5	0.09	0	20	20	15	80	22	13	SLP06E2-1.5LH	SLP06E2-1.5LS1H
	1.5	0.09	0	20	20	-	130	22	13	SLP06EE2-1.5LH	SLP06EE2-1.5LS1H
	1.5	0.09	0	20	20	15	120	22	13	SLP06VE2-1.5LH	SLP06VE2-1.5LS1H
	2.5	0.2	0	15	15	12	80	22	13	SLP06E2-2.5LH	SLP06E2-2.5LS1H
	2.5	0.2	0	15	15	-	130	22	13	SLP06EE2-2.5LH	SLP06EE2-2.5LS1H
	2.5	0.2	0	15	15	12	120	22	13	SLP06VE2-2.5LH	SLP06VE2-2.5LS1H
	3	0.25	0	12	12	10	80	22	13	SLP06E2-3LH	SLP06E2-3LS1H
	3	0.25	0	12	12	-	130	22	13	SLP06EE2-3LH	SLP06EE2-3LS1H
	3	0.25	0	12	12	10	120	22	13	SLP06VE2-3LH	SLP06VE2-3LS1H

SLP Series 2/2 Solenoid Valve(Normal Open)

Specifcation

Port size (G)	Orifice (mm)	CV value	Pressure difference(Bar) Min. pressure	Max.working pressure Air、Gas	Max.working pressure Water、Hot water、Liquid	Max.working pressure Light oil ≤20CST	Max. temperature (℃)	Power VA AC 220	Power W DC 24V	Model 220VAC 50/60Hz Brass	Model 220VAC 50/60Hz Stainless steel	Overall dimension Length ×Width × Height A × B ×H(mm)
1/4"	1	0.04	0	30	30	25	80	22	13	SLP08E2-1LH	SLP08E2-1LS1H	
	1	0.04	0	30	30	-	130	22	13	SLP08EE2-1LH	SLP08EE2-1LS1H	
	1	0.04	0	30	30	25	120	22	13	SLP08VE2-1LH	SLP08VE2-1LS1H	
	1.5	0.09	0	20	20	15	80	22	13	SLP08E2-1.5LH	SLP08E2-1.5LS1H	
	1.5	0.09	0	20	20	-	130	22	13	SLP08EE2-1.5LH	SLP08EE2-1.5LS1H	
	1.5	0.09	0	20	20	15	120	22	13	SLP08VE2-1.5LH	SLP08VE2-1.5LS1H	
	2.5	0.2	0	15	15	12	80	22	13	SLP08E2-2.5LH	SLP08E2-2.5LS1H	
	2.5	0.2	0	15	15	-	130	22	13	SLP08EE2-2.5LH	SLP08EE2-2.5LS1H	
	2.5	0.2	0	15	15	12	120	22	13	SLP08VE2-2.5LH	SLP08VE2-2.5LS1H	
	3	0.25	0	12	12	10	80	22	13	SLP08E2-3LH	SLP08E2-3LS1H	
	3	0.25	0	12	12	-	130	22	13	SLP08EE2-3LH	SLP08EE2-3LS1H	
	3	0.25	0	12	12	10	120	22	13	SLP08VE2-3LH	SLP08VE2-3LS1H	
3/8"	13	4.5	0.5	8	8	7	80	33	32	SLP10E2-13LH	SLP10E2-13LS1H	66×48×124
	13	4.5	0.5	8	8		120	33	32	SLP10EE2-13LH	SLP10EE2-13LS1H	66×48×124
	13	4.5	0.5	8	8	7	120	33	32	SLP10VE2-13LH	SLP10VE2-13LS1H	66×48×124
1/2"	13	4.5	0.5	8	8	7	80	33	32	SLP15E2-13LH	SLP15E2-13LS1H	66×48×124
	13	4.5	0.5	8	8		120	33	32	SLP15EE2-13LH	SLP15EE2-13LS1H	66×48×124
	13	4.5	0.5	8	8	7	120	33	32	SLP15VE2-13LH	SLP15VE2-13LS1H	66×48×124
3/4"	20	7.6	0.5	8	8	7	80	33	32	SLP-20E2H	SLP-20E2S1H	75×58×130
	20	7.6	0.5	8	8		120	33	32	SLP-20EE2H	SLP-20EE2S1H	75×58×130
	20	7.6	0.5	8	8	7	120	33	32	SLP-20VE2H	SLP-20VE2S1H	75×58×130
1"	25	12	0.5	8	8	7	80	33	32	SLP-25E2H	SLP-25E2S1H	96×70×143
	25	12	0.5	8	8		120	33	32	SLP-25EE2H	SLP-25EE2S1H	96×70×143
	25	12	0.5	8	8	7	120	33	32	SLP-25VE2H	SLP-25VE2S1H	96×70×143
1-1/4"	35	22	0.5	8	8	7	80	33	32	SLP-35E2H	SLP-35E2S1H	131×96×158
	35	22	0.5	8	8		120	33	32	SLP-35EE2H	SLP-35EE2S1H	131×96×158
	35	22	0.5	8	8	7	120	33	32	SLP-35VE2H	SLP-35VE2S1H	131×96×158
1-1/2"	40	30	0.5	8	8	7	80	33	32	SLP-40E2H	SLP-40E2S1H	131×96×158
	40	30	0.5	8	8		120	33	32	SLP-40EE2H	SLP-40EE2S1H	131×96×158
	40	30	0.5	8	8	7	120	33	32	SLP-40VE2H	SLP-40VE2S1H	131×96×158
2"	50	48	0.5	8	8	7	80	33	32	SLP-50E2H	SLP-50E2S1H	165×120×179
	50	48	0.5	8	8		120	33	32	SLP-50EE2H	SLP-50EE2S1H	165×120×179
	50	48	0.5	8	8	7	120	33	32	SLP-50VE2H	SLP-50VE2S1H	165×120×179
Flange conn-ection	25	12	0.5	8	8	7	80	33	32		SLPFE2-25LS1H	134×110×172
	25	12	0.5	8	8		120	33	32		SLPFEE2-25LS1H	134×110×172
	25	12	0.5	8	8	7	120	33	32		SLPFVE2-25LS1H	134×110×172
Flange conn-ection	35	22	0.5	8	8	7	80	33	32		SLPFE2-35LS1H	160×135×187
	35	22	0.5	8	8		120	33	32		SLPFEE2-35LS1H	160×135×187
	35	22	0.5	8	8	7	120	33	32		SLPFVE2-35LS1H	160×135×187
Flange conn-ection	40	30	0.5	8	8	7	80	33	32		SLPFE2-40LS1H	160×145×192
	40	30	0.5	8	8		120	33	32		SLPFEE2-40LS1H	160×145×192
	40	30	0.5	8	8	7	120	33	32		SLPFVE2-40LS1H	160×145×192
Flange conn-ection	50	48	0.5	8	8	7	80	33	32		SLPFE2-50LS1H	200×160×219
	50	48	0.5	8	8		120	33	32		SLPFEE2-50LS1H	200×160×219
	50	48	0.5	8	8	7	120	33	32		SLPFVE2-50LS1H	200×160×219



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