

HOW TO ORDER PARKER SOLENOID VALVES

A SOLENOID VALVE IS COMPOSED OF 3 ELEMENTS:

The Valve ① + Housing ② + Coil ③

1. Choose the valve reference
2. Choose the housing
3. Choose the coil

① Choose the Valve Reference

Valve Ref.
121K3206
121K3206
121K3206

② Select the housing depending on the protection level (IP 44 to IP 67 found in the coil section)

Housing Ref.
2995
4270
4270

2 WAY VALVES

2/2

VALVES FOR DRY OR LUBRICATED AIR, NEUTRAL GASES AND LIQUIDS
DIRECT OPERATED

BRASS

PIPE MOUNTING

NORMALLY CLOSED

Port size	Orifice Ø	Flow factors		Operating Pressure Differential Max(MOPD)	Fluid Temp.		Seat Seal	Parker LUCIFER® Valves			Power		Coil Group	Dwg. No.			
								Valve Ref.	Housing Ref.	Coil Ref.	AC W	DC W					
BSP	mm	Kv l/min	KV m³/h	Qn l/min	AC bar	DC bar	°C	°C									
3/8"	4	7.5	0.45	480	0	10	4	-10	100	FKM	121K3206	2995	481865	8	9	2.0	3551
	4	7.5	0.45	480	0	10	5	-10	120	FKM	121K3206	4270	481000	8	8	2.0	3551
	4	7.5	0.45	480	0	10	10	-10	120	FKM	121K3206	4270	486265	14	14	2.0	3551
	5	11	0.66	750	0	7	2	-10	100	FKM	121K3106	2995	481865	8	9	2.0	3551
	5	11	0.66	750	0	7	2.8	-10	120	FKM	121K3106	4270	481000	8	8	2.0	3551
	5	11	0.66	750	0	7	5	-10	120	FKM	121K3106	4270	486265	14	14	2.0	3551
	6	12	0.72	1100	0	5	1.1	-10	100	FKM	121K3306	2995	481865	8	9	2.0/14.2	3551
	6	12	0.72	1100	0	5	1.5	-10	120	FKM	121K3306	4270	481000	8	8	2.0/14.2	3551
	6	12	0.72	1100	0	5	3	-10	120	FKM	121K3306	4270	486265	14	14	2.0/14.2	3551
	8.5	25	1.5	1600	0	1.1	0.5	-10	100	FKM	E121K46	2995	481865	8	9	2.0	3427
	8.5	25	1.5	1600	0	2.2	0.5	-10	120	FKM	E121K46	4270	481000	8	8	2.0	3427
	8.5	25	1.5	1600	0	4	1.2	-10	120	FKM	E121K46	4270	486265	14	14	2.0	3427
1/2"	11	36	2.16	2500	0	0.7	0.3	-10	100	FKM	E121K45	2995	481865	8	9	2.0	3427
	11	36	2.16	2500	0	1.2	0.35	-10	120	FKM	E121K45	4270	481000	8	8	2.0	3427
	11	36	2.16	2500	0	2.5	0.7	-10	120	FKM	E121K45	4270	486265	14	14	2.0	3427

Notes:

1. Valve compatible with water only up to 40°C
2. With manual override

Parker

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Notes:
1. Valve compatible with water only up to 40°C
2. With manual override

For a given valve, several coil types are being suggested.

For a wider choice, the selected valve is also compatible with every other coil from the same coil group.

Parker coils are available in many different voltages.
Choose the one you need by putting the voltage code at the end of your ordering number.

3 Choose the coil and voltage code

Coil Ref.

481865

Voltage Code

VAC/Hz

Code

24/50

A2

48/50

A4

110/50

A5

220-230/50

3D

Valve and coil order example:

1

2

3

121K3206

Valve
Reference

2995

Housing

481865A2

Coil and
Voltage Code

COILS

COIL GROUP

2.0/2.1

COILS FOR
DIN PLUG CONNECTION



COILS 32 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.
See column "Coil Group" within valve pages.

This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.
Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/ENEC safety standards and complies with European low-voltage directive.



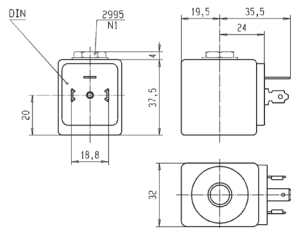
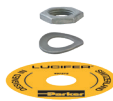
Specification	Standard	Double frequency
Ref. (without DIN plug)	481865	483510
Ref. (with DIN plug)	482725	482635
Coil Group	2.0 / 2.1	
Degree of protection	IP65 according to IEC / EN 60529 standards (with DIN plug).	
Class of insulation	F 155°C	
Electrical connection	The coil is connected with a 2 P + E plug according to EN 175301-803 type A	
Ambient temperature	-40°C to +50°C	
	The application is limited also by the temperature range of the valve.	
Elect. Power		
DC		
Pn (pull)	9 W	
P (cold) 20°C	12 W	
AC		
Pn (holding)	8 W	9 W
Attraction cold	26 VA (9 W)	32 VA (10 W)
Weight		
	130 g (without plug)	
Voltages "Un"		
-10% to +10% of the Un		
	VAC/Hz	Code
	24/50	A2
	48/50	A4
	110/50	A5
	220-230/50	3D
	VDC	Code
	24	C2
	48	C4
	110	C5
	VAC/Hz	Code
	24/50, 24/60	P0
	48/50, 48/60	S4
	110-115/50, 120/60	S5
	220-240/50, 240/60	S6

To Order a Coil choose Coil Ref + Voltage Code, example: 481865 for 24 VDC = **481865C2**

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit Ref. 2995 corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil/voltage).
It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



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IMPORTANT: Valve, Housing or Coil shall be ordered separately. In case you would require configured products, please consult your Parker contact or the PH Connect to determine available configurations.



HOW TO USE COIL GROUPS

WITHIN A VALVE PAGE

One of Parker's strengths is the modularity, adaptability and flexibility of our products. When you select a solenoid valve, the coils displayed in the table have been chosen as they will fulfill the majority of application requirements.

Valve Ref.	Housing Ref.	Coil Ref.
121K3206	2995	481865
121K3206	4270	481000
121K3206	4270	486265

However, in some specific cases, you will need special features that will lead you to choose another coil.

Groups have been created in order to facilitate the selection of a compatible coil with the chosen valve.

Coil Group
2.0
2.0
2.0

Example:

The valve 121K3206 is proposed with the coil 481865 but you can also choose any coil from the group 2.0.

2 WAY VALVES

2/2

VALVES FOR DRY OR LUBRICATED AIR, NEUTRAL GASES AND LIQUIDS
DIRECT OPERATED

BRASS
PIPE MOUNTING

NORMALLY CLOSED

Port size	Orifice Ø	Flow factors	Operating Pressure Differential	Fluid Temp.	Seat Seal	Parker LUCIFER® Valves			Power		Coil Group	Dwg. No.		
						Valve Ref.	Housing Ref.	Coil Ref.	AC W	DC W				
3/8"	4	7.5 0.45	0 10	4 -10	100 FKM	121K3206	2995	481865	8	9	2.0	3551		
	4	7.5 0.45	480 0	10 -10	120 FKM	121K3206	4270	481000	8	8	2.0	3551		
	4	7.5 0.45	480 0	10 -10	120 FKM	121K3206	4270	486265	14	14	2.0	3551		
	5	11 0.66	750 0	7 2	-10 100	FKM	121K3106	2995	481865	8	9	2.0	3551	
	5	11 0.66	750 0	7 2.8	-10 120	FKM	121K3106	4270	481000	8	8	2.0	3551	
	5	11 0.66	750 0	7 5	-10 120	FKM	121K3106	4270	486265	14	14	2.0	3551	
	6	12 0.72	1100 0	5 1.1	-10 100	FKM	121K3306	2995	481865	9	9	2.0/14.2	3551	
	6	12 0.72	1100 0	5 1.5	-10 120	FKM	121K3306	4270	481000	8	8	2.0/14.2	3551	
	6	12 0.72	1100 0	5 3	-10 120	FKM	121K3306	4270	486265	14	14	2.0/14.2	3551	
	1/2"	8.5	25 1.5	1600 0	1.1 0.5	-10 100	FKM	E121K46	2995	481865	8	9	2.0	3427
		8.5	25 1.5	1600 0	2.2 0.5	-10 120	FKM	E121K46	4270	481000	8	8	2.0	3427
		8.5	25 1.5	1600 0	4 1.2	-10 120	FKM	E121K46	4270	486265	14	14	2.0	3427
11		36 2.16	2500 0	0.7 0.3	-10 120	FKM	E121K45	2995	481865	8	9	2.0	3427	
11		36 2.16	2500 0	1.2 0.35	-10 120	FKM	E121K45	4270	481000	8	8	2.0	3427	

Notes:

1. Valve compatible with water up to 40°C

2. With manual override

Parker

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It is also possible to choose the coil first and then select the valve using coil groups.

HOW TO USE COIL GROUPS

WITHIN A COIL PAGE

The coil section is at the end of the catalogue and displays the specifications of each coil, along with the reference number, class of insulation, ambient temperature, electrical power and weight.

2.0 / 2.1

Example: the valve 121K3206 is proposed with coil 481865 but is also compatible with the 2.0 coil group. This means the coil 482725 is also compatible with the chosen valve as it is within this group.

When referring to the coil section you will find the coil group for each coil. This allows you to discover which other coils are compatible with the valve you have chosen.

COILS
COIL GROUP
2.0/2.1



COILS 32 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages. This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection. The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc. Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



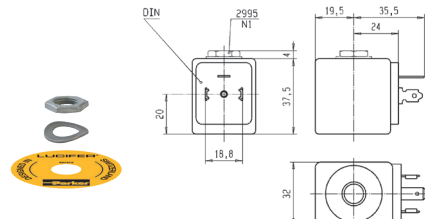
Specification	Standard	Double frequency				
Ref. (without DIN plug)	481865	483510				
Ref. (with DIN plug)	482725	482635				
Coil Group	2.0 / 2.1					
Degree of protection	IP65 according to IEC / EN 60529 standards (with DIN plug).					
Class of insulation	F 155°C					
Electrical connection	The coil is connected with a 2 P + E plug according to EN 175301-803 type A					
Ambient temperature	-40°C to +50°C The application is limited also by the temperature range of the valve.					
Elect. Power	DC Pn (hot)	9 W				
	P (cold) 20°C	12 W				
	AC Pn (holding)	8 W				
	Attraction cold	26 VA (9 W)				
Weight	130 g (without plug)					
Voltages "Un"	VAC/Hz	Code				
	VDC	Code				
-10% to +10% of the Un	24/50	A2	24	C2	24/50, 24/60	P0
	48/50	A4	48	C4	48/50, 48/60	S4
	110/50	A5	110	C5	110-115/50, 120/60	S5
	220-230/50	3D			220-240/50, 240/60	S6

To Order a Coil choose Coil Ref + Voltage Code, example: 481865 for 24 VDC = **481865C2**
 More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

The coil assembly kit **Ref. 2995** corresponds to the "housing"

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



2/2

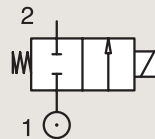
VALVES FOR DRY OR LUBRICATED AIR, NEUTRAL GASES AND LIQUIDS

DIRECT OPERATED

BRASS

PIPE MOUNTING

NORMALLY CLOSED



Port size (BSP)	Orifice Ø mm	Flow factors			Operating Pressure Differential Max(MOPD)			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn m³/h	Min bar	AC bar	DC bar	Min °C	Max °C					AC W	DC W		
1/8"	1.5	0.9	0.05	70	0	20	12	-10	75	FKM	121M14	8993	481180	4	5	1.1	3382
	1.5	0.9	0.05	70	0	20	4	-10	75	FKM	121M14	8993	488980	2	2.5	1.1	3382
	1.5	1.5	0.09	80	0	60	25	-30	75	PCTFE	E121K14	2995	481865	8	9	2.0	3510
	1.5	1.5	0.09	80	0	70	30	-30	75	PCTFE	E121K14	4270	481000	8	8	2.0	3510
	1.5	1.5	0.09	80	0	70	55	-30	75	PCTFE	E121K14	4270	486265	14	14	2.0	3510
	2	2	0.12	125	0	10	7	-10	75	FKM	121M13	8993	481180	4	5	1.1	3382
	2	2	0.12	125	0	10	2.5	-10	75	FKM	121M13	8993	488980	2	2.5	1.1	3382
	2.5	2.8	0.17	-	0	10	10	-10	75	FKM	121Z03	2995	481865	8	9	2.0	7863
	2.5	3.5	0.21	220	0	28	10	-30	100	Ruby	E121K23	2995	481865	8	9	2.0	3510
	2.5	3.5	0.21	220	0	34	12	-30	130	Ruby	E121K23	4270	481000	8	8	2.0	3510
	2.5	3.5	0.21	220	0	50	22	-30	120	Ruby	E121K23	4270	486265	14	14	2.0	3510
	3	4.5	0.27	320	0	10	7	-10	100	FKM	121K1302	2995	481865	8	9	2.0	3510
	3	4.5	0.27	320	0	10	8	-10	120	FKM	121K1302	4270	481000	8	8	2.0	3510
	3	4.5	0.27	320	0	10	10	-10	120	FKM	121K1302	4270	486265	14	14	2.0	3510
1/4"	1.2	0.85	0.05	50	0	80	36	-30	100	Ruby	E121K65	2995	481865	8	9	2.0	3510
	1.2	0.85	0.05	50	0	100	43	-30	130	Ruby	E121K65	4270	481000	8	8	2.0	3510
	1.2	0.85	0.05	50	0	100	75	-30	120	Ruby	E121K65	4270	486265	14	14	2.0	3510
	1.5	1.5	0.09	80	0	-	8	-20	75	PUR	121K0497	2995	482740	-	1.6	6.0/8.0	8274
	1.5	1.5	0.09	80	0	-	8	-20	65	PUR	121K0497	2995	496125	-	1.6	6.0/8.0	8274
	1.5	1.5	0.09	80	0	10	10	-20	75	PUR	121K0497	-	495900	2.5	2	6.0/8.0	8274
	1.5	1.5	0.09	80	0	-	10	-20	75	PUR	121K0497	-	495910	-	0.3-1.2	6.0/8.0	8274
	1.5	1.5	0.09	80	0	60	25	-30	75	PCTFE	E121K04	2995	481865	8	9	2.0	3510
	1.5	1.5	0.09	80	0	70	30	-30	75	PCTFE	E121K04	4270	481000	8	8	2.0	3510
	1.5	1.5	0.09	80	0	70	55	-30	75	PCTFE	E121K04	4270	486265	14	14	2.0	3510
	1.5	1.5	0.09	80	0	20	20	-10	100	FKM	E121K0402	2995	481865	8	9	2.0/3.0	3510
	1.5	1.5	0.09	80	0	20	20	-10	120	FKM	E121K0402	4270	481000	8	8	2.0/3.0	3510
	1.5	1.5	0.09	80	0	60	25	-30	100	Ruby	E121K67	2995	481865	8	9	2.0	3510
	1.5	1.5	0.09	80	0	75	30	-30	130	Ruby	E121K67	4270	481000	8	8	2.0	3510
	1.5	1.5	0.09	80	0	100	55	-30	120	Ruby	E121K67	4270	486265	14	14	2.0	3510
	2.5	3.5	0.21	220	0	14	7	-10	100	FKM	121K0706	2995	481865	8	9	2.0	3510
	2.5	3.5	0.21	220	0	14	9	-10	120	FKM	121K0706	4270	481000	8	8	2.0	3510
	2.5	3.5	0.21	220	0	14	14	-10	120	FKM	121K0706	4270	486265	14	14	2.0	3510
	2.5	3.5	0.21	220	0	28	10	-30	75	PCTFE	E121K07	2995	481865	8	9	2.0	3510
	2.5	3.5	0.21	220	0	34	12	-30	75	PCTFE	E121K07	4270	481000	8	8	2.0	3510
	2.5	3.5	0.21	220	0	50	22	-30	75	PCTFE	E121K07	4270	486265	14	14	2.0	3510

Notes:

1.If fluid is water, media temperature shall not exceed 40°C

2/2

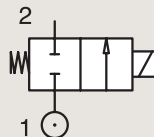
VALVES FOR DRY OR LUBRICATED AIR, NEUTRAL GASES AND LIQUIDS

DIRECT OPERATED

BRASS

PIPE MOUNTING

NORMALLY CLOSED



Port size (BSP)	Orifice Ø mm	Flow factors			Operating Pressure Differential Max(MOPD)			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv l/min	Kv m³/h	Qn m³/h	Min bar	AC bar	DC bar	Min °C	Max °C					AC W	DC W		
1/4"	2.5	3.5	0.21	220	0	28	10	-30	100	Ruby	E121K63	2995	481865	8	9	2.0	3510
	2.5	3.5	0.21	220	0	34	12	-30	130	Ruby	E121K63	4270	481000	8	8	2.0	3510
	2.5	3.5	0.21	220	0	50	22	-30	120	Ruby	E121K63	4270	486265	14	14	2.0	3510
	3	3.5	0.21	250	0	-	2	-20	75	PUR	121K0397 ₁	2995	482740	-	1.6	6.0/8.0	8274
	3	3.5	0.21	250	0	-	2	-20	65	PUR	121K0397 ₁	2995	496125	-	1.6	6.0/8.0	8274
	3	3.5	0.21	250	0	4.5	4	-20	75	PUR	121K0397 ₁	-	495900	2.5	2	6.0/8.0	8274
	3	3.5	0.21	250	0	-	4.5	-20	75	PUR	121K0397 ₁	-	495910	-	0.3-1.2	6.0/8.0	8274
	3	4.5	0.27	320	0	20	7	-30	75	PCTFE	E121K03	2995	481865	8	9	2.0/3.0	3510
	3	4.5	0.27	320	0	25	8.5	-30	75	PCTFE	E121K03	4270	481000	8	8	2.0/3.0	3510
	3	4.5	0.27	320	0	36	15	-30	75	PCTFE	E121K03	4270	486265	14	14	2.0/3.0	3510
	3	4.5	0.27	320	0	10	7	-10	100	FKM	E121K0302	2995	481865	8	9	2.0	3510
	3	4.5	0.27	320	0	10	8.5	-10	120	FKM	E121K0302	4270	481000	8	8	2.0	3510
	3	4.5	0.27	320	0	10	7	-10	100	FKM	E121K0302	4270	486265	14	14	2.0	3510
	3	4.5	0.27	320	0	10	7	-10	100	FKM	E121K0352 ₂	2995	481865	8	9	2.0	3510
	3	4.5	0.27	320	0	10	8.5	-10	120	FKM	E121K0352 ₂	4270	481000	8	8	2.0	3510
	3	4.5	0.27	320	0	10	10	-10	120	FKM	E121K0352 ₂	4270	486265	14	14	2.0	3510
	3	4.5	0.27	320	0	20	7	-30	100	Ruby	E121K64	2995	481865	8	9	2.0	3510
	3	4.5	0.27	320	0	25	8.5	-30	130	Ruby	E121K64	4270	481000	8	8	2.0	3510
	3	4.5	0.27	320	0	36	15	-30	120	Ruby	E121K64	4270	486265	14	14	2.0	3510
	4	7.5	0.45	480	0	10	4	-10	100	FKM	121K02	2995	481865	8	9	2.0	3510
	4	7.5	0.45	480	0	10	5	-10	120	FKM	121K02	4270	481000	8	8	2.0	3510
	4	7.5	0.45	480	0	10	10	-10	120	FKM	121K02	4270	486265	14	14	2.0	3510
	4	7.5	0.45	480	0	10	4	-10	100	FKM	121K0250 ₂	2995	481865	8	9	2.0	3510
	4	7.5	0.45	480	0	10	5	-10	120	FKM	121K0250 ₂	4270	481000	8	8	2.0	3510
	4	7.5	0.45	480	0	10	10	-10	120	FKM	121K0250 ₂	4270	486265	14	14	2.0	3510
	5	11	0.66	750	0	7	2	-10	100	FKM	121K01	2995	481865	8	9	2.0/14.2	3510
	5	11	0.66	750	0	7	2.8	-10	120	FKM	121K01	4270	481000	8	8	2.0/14.2	3510
	5	11	0.66	750	0	7	5	-10	120	FKM	121K01	4270	486265	14	14	2.0/14.2	3510
	5	11	0.66	750	0	7	2	-10	100	FKM	121K0150 ₂	2995	481865	8	9	2.0	3510
	5	11	0.66	750	0	7	2.8	-10	120	FKM	121K0150 ₂	4270	481000	8	8	2.0	3510
	5	11	0.66	750	0	7	5	-10	120	FKM	121K0150 ₂	4270	486265	14	14	2.0	3510
	6.5	-	-	1400	0	0.5	0.5	-10	100	FKM	121K0601	2995	481865	8	9	2.0	3510
	6.5	-	-	1400	0	0.5	0.5	-10	120	FKM	121K0601	4270	481000	8	8	2.0	3510

Notes:

- 1.If fluid is water, media temperature shall not exceed 40°C
- 2.With manual override

2/2

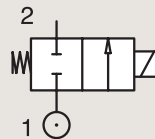
VALVES FOR DRY OR LUBRICATED AIR, NEUTRAL GASES AND LIQUIDS

DIRECT OPERATED

BRASS

PIPE MOUNTING

NORMALLY CLOSED



Port size (BSP)	Orifice Ø mm	Flow factors			Operating Pressure Differential Max(MOPD)			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn m³/h	Min bar	AC bar	DC bar	Min °C	Max °C					AC W	DC W		
3/8"	4	7.5	0.45	480	0	10	4	-10	100	FKM	121K3206	2995	481865	8	9	2.0	3551
	4	7.5	0.45	480	0	10	5	-10	120	FKM	121K3206	4270	481000	8	8	2.0	3551
	4	7.5	0.45	480	0	10	10	-10	120	FKM	121K3206	4270	486265	14	14	2.0	3551
	5	11	0.66	750	0	7	2	-10	100	FKM	121K3106	2995	481865	8	9	2.0	3551
	5	11	0.66	750	0	7	2.8	-10	120	FKM	121K3106	4270	481000	8	8	2.0	3551
	5	11	0.66	750	0	7	5	-10	120	FKM	121K3106	4270	486265	14	14	2.0	3551
	6	12	0.72	1100	0	5	1.1	-10	100	FKM	121K3306	2995	481865	8	9	2.0/14.2	3551
	6	12	0.72	1100	0	5	1.5	-10	120	FKM	121K3306	4270	481000	8	8	2.0/14.2	3551
	6	12	0.72	1100	0	5	3	-10	120	FKM	121K3306	4270	486265	14	14	2.0/14.2	3551
1/2"	8.5	25	1.5	1600	0	1.1	0.5	-10	100	FKM	E121K46	2995	481865	8	9	2.0	3427
	8.5	25	1.5	1600	0	2.2	0.5	-10	120	FKM	E121K46	4270	481000	8	8	2.0	3427
	8.5	25	1.5	1600	0	4	1.2	-10	120	FKM	E121K46	4270	486265	14	14	2.0	3427
	11	36	2.16	2500	0	0.7	0.3	-10	100	FKM	E121K45	2995	481865	8	9	2.0	3427
	11	36	2.16	2500	0	1.2	0.35	-10	120	FKM	E121K45	4270	481000	8	8	2.0	3427
	11	36	2.16	2500	0	2.5	0.7	-10	120	FKM	E121K45	4270	486265	14	14	2.0	3427

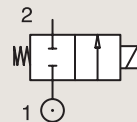
2/2

VALVES FOR WATER AND NEUTRAL LIQUIDS
DIRECT OPERATED

BRASS

PIPE MOUNTING

NORMALLY CLOSED



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal				Power		Coil Group	Dwg. No.
		Min	Max(MOPD)		Min	Max		Valve Ref.	Housing Ref.		Coil Ref.	AC W	DC W				
BSP	mm	Kv l/min	KV m³/h	Qn l/min	bar	AC bar	DC bar	°C	°C								
1/8"	1.5	0.9	0.05	70	0	20	12	-10	75	FKM	121M14	8993	481180	4	5	1.1	3382
	1.5	0.9	0.05	70	0	20	4	-10	75	FKM	121M14	8993	488980	2	2.5	1.1	3382
	2	2	0.12	125	0	10	7	-10	75	FKM	121M13	8993	481180	4	5	1.1	3382
	2	2	0.12	125	0	10	2.5	-10	75	FKM	121M13	8993	488980	2	2.5	1.1	3382
1/4"	1.5	1.5	0.09	80	0	20	20	-10	100	FKM	E121K0402	2995	481865	8	9	2.0/3.0	3510
	1.5	1.5	0.09	80	0	20	20	-10	120	FKM	E121K0402	4270	481000	8	8	2.0/3.0	3510
	2.5	3.5	0.21	220	0	14	7	-10	100	FKM	121K0706	2995	481865	8	9	2.0	3510
	2.5	3.5	0.21	220	0	14	9	-10	120	FKM	121K0706	4270	481000	8	8	2.0	3510
	2.5	3.5	0.21	220	0	14	14	-10	120	FKM	121K0706	4270	486265	14	14	2.0	3510
	3	4.5	0.27	320	0	10	7	-10	100	FKM	E121K0302	2995	481865	8	9	2.0	3510
	3	4.5	0.27	320	0	10	8.5	-10	120	FKM	E121K0302	4270	481000	8	8	2.0	3510
	3	4.5	0.27	320	0	10	7	-10	100	FKM	E121K0302	4270	486265	14	14	2.0	3510
	3	4.5	0.27	320	0	10	7	-10	100	FKM	E121K0352	2995	481865	8	9	2.0	3510
	3	4.5	0.27	320	0	10	8.5	-10	120	FKM	E121K0352	4270	481000	8	8	2.0	3510
	3	4.5	0.27	320	0	10	10	-10	120	FKM	E121K0352	4270	486265	14	14	2.0	3510
	4	7.5	0.45	480	0	10	4	-10	100	FKM	121K02	2995	481865	8	9	2.0	3510
	4	7.5	0.45	480	0	10	5	-10	120	FKM	121K02	4270	481000	8	8	2.0	3510
	4	7.5	0.45	480	0	10	10	-10	120	FKM	121K02	4270	486265	14	14	2.0	3510
	4	7.5	0.45	480	0	10	4	-10	100	FKM	121K0250	2995	481865	8	9	2.0	3510
	4	7.5	0.45	480	0	10	5	-10	120	FKM	121K0250	4270	481000	8	8	2.0	3510
	4	7.5	0.45	480	0	10	10	-10	120	FKM	121K0250	4270	486265	14	14	2.0	3510
	5	11	0.66	750	0	7	2	-10	100	FKM	121K01	2995	481865	8	9	2.0/14.2	3510
	5	11	0.66	750	0	7	2.8	-10	120	FKM	121K01	4270	481000	8	8	2.0/14.2	3510
	5	11	0.66	750	0	7	5	-10	120	FKM	121K01	4270	486265	14	14	2.0/14.2	3510
	5	11	0.66	750	0	7	2	-10	100	FKM	121K0150	2995	481865	8	9	2.0	3510
	5	11	0.66	750	0	7	2.8	-10	120	FKM	121K0150	4270	481000	8	8	2.0	3510
	5	11	0.66	750	0	7	5	-10	120	FKM	121K0150	4270	486265	14	14	2.0	3510

Notes:

1. With manual override

2/2

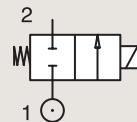
VALVES FOR WATER AND NEUTRAL LIQUIDS

DIRECT OPERATED

BRASS

PIPE MOUNTING

NORMALLY CLOSED



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn l/min	Min bar	Max(MOPD) AC bar	Max(MOPD) DC bar	Min °C	Max °C					AC W	DC W		
3/8"	4	7.5	0.45	480	0	10	4	-10	100	FKM	121K3206	2995	481865	8	9	2.0	3551
	4	7.5	0.45	480	0	10	5	-10	120	FKM	121K3206	4270	481000	8	8	2.0	3551
	4	7.5	0.45	480	0	10	10	-10	120	FKM	121K3206	4270	486265	14	14	2.0	3551
	5	11	0.66	750	0	7	2	-10	100	FKM	121K3106	2995	481865	8	9	2.0	3551
	5	11	0.66	750	0	7	2.8	-10	120	FKM	121K3106	4270	481000	8	8	2.0	3551
	5	11	0.66	750	0	7	5	-10	120	FKM	121K3106	4270	486265	14	14	2.0	3551
	6	12	0.72	1100	0	5	1.1	-10	100	FKM	121K3306	2995	481865	8	9	2.0/14.2	3551
	6	12	0.72	1100	0	5	1.5	-10	120	FKM	121K3306	4270	481000	8	8	2.0/14.2	3551
	6	12	0.72	1100	0	5	3	-10	120	FKM	121K3306	4270	486265	14	14	2.0/14.2	3551
1/2"	8.5	25	1.5	1600	0	1.1	0.5	-10	100	FKM	E121K46	2995	481865	8	9	2.0	3427
	8.5	25	1.5	1600	0	2.2	0.5	-10	120	FKM	E121K46	4270	481000	8	8	2.0	3427
	8.5	25	1.5	1600	0	4	1.2	-10	120	FKM	E121K46	4270	486265	14	14	2.0	3427
	11	36	2.16	2500	0	0.7	0.3	-10	100	FKM	E121K45	2995	481865	8	9	2.0	3427
	11	36	2.16	2500	0	1.2	0.35	-10	120	FKM	E121K45	4270	481000	8	8	2.0	3427
	11	36	2.16	2500	0	2.5	0.7	-10	120	FKM	E121K45	4270	486265	14	14	2.0	3427

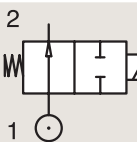
Notes:

1. With manual override

BRASS

PIPE MOUNTING

NORMALLY OPEN



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn l/min	Min bar	Max(MOPD) AC bar	Max(MOPD) DC bar	Min °C	Max °C					AC W	DC W		
1/4"	2.5	3	0.18	180	0	12	12	-10	100	FKM	122K8306	2995	481865	8	9	2.0	3510
	2.5	3	0.18	180	0	12	12	-10	120	FKM	122K8306	4270	481000	8	8	2.0	3510
	2.5	3	0.18	180	0	12	12	-10	120	FKM	122K8306	4270	486265	14	14	2.0	3510

2/2

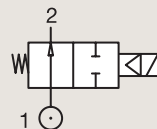
VALVES FOR WATER AND NEUTRAL LIQUIDS

PILOT OPERATED

BRASS

PIPE MOUNTING

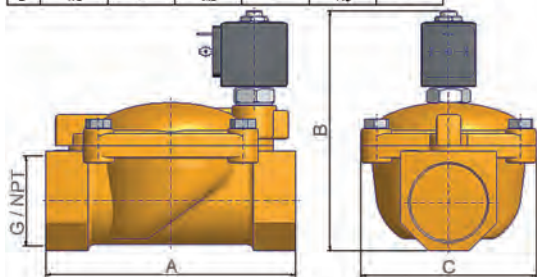
NORMALLY OPEN



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal				Power		Coil Group	Dwg. No.
		Kv	KV	Qn	Min	Max(MOPD)	Min	Max	Valve Order Number		Valve Type	Coil Type	AC W	DC W			
BSP	mm	l/min	m³/h	m³/h	bar	AC bar	DC bar	°C	°C								
3/8"	13	50	3	-	0.1	10	10	-10	140	EPDM	444600W	7322BIH00	481865	8	9	2.0	060
	13	50	3	-	0.1	20	20	-10	90	NBR	443805W	7322BIN00	481865	8	9	2.0	060
	13	50	3	-	0.1	20	20	-10	140	FKM	444499W	7322BIV00	481865	8	9	2.0	060
1/2"	13	50	3	-	0.1	10	10	-10	140	EPDM	444601W	7322BAH00	481865	8	9	2.0	060
	13	50	3	-	0.1	20	20	-10	90	NBR	443806W	7322BAN00	481865	8	9	2.0	060
	13	50	3	-	0.1	20	20	-10	140	FKM	444500W	7322BAV00	481865	8	9	2.0	060
3/4"	20	140	8.4	-	0.1	10	10	-10	140	EPDM	444602W	7322BCH00	481865	8	9	2.0	061
	20	140	8.4	-	0.1	20	20	-10	90	NBR	443807W	7322BCN00	481865	8	9	2.0	061
	20	140	8.4	-	0.1	20	20	-10	140	FKM	444501W	7322BCV00	481865	8	9	2.0	061
1"	25	160	9.6	-	0.1	10	10	-10	140	EPDM	444603W	7322BDH00	481865	8	9	2.0	061
	25	160	9.6	-	0.1	20	20	-10	90	NBR	443808W	7322BDN00	481865	8	9	2.0	061
	25	160	9.6	-	0.1	20	20	-10	140	FKM	444502W	7322BDV00	481865	8	9	2.0	061
1 1/4"	35	420	25.2	-	0.1	10	10	-10	140	EPDM	444576W	7322BEH00	481865	8	9	2.0	062
	35	420	25.2	-	0.1	10	10	-10	90	NBR	443809W	7322BEN00	481865	8	9	2.0	062
1 1/2"	40	500	30	-	0.1	10	10	-10	140	EPDM	444604W	7322BFH00	481865	8	9	2.0	062
	40	500	30	-	0.1	10	10	-10	90	NBR	443810W	7322BFN00	481865	8	9	2.0	062
2"	50	620	37.2	-	0.1	10	10	-10	140	EPDM	444605W	7322BGH00	481865	8	9	2.0	062
	50	620	37.2	-	0.1	10	10	-10	90	NBR	443811W	7322BGN00	481865	8	9	2.0	062
2 1/2"	65	1100	66	-	0.2	10	10	-10	90	NBR	444513W	7322BLN06	481865	8	9	2.0	063
3"	75	1334	80	-	0.2	10	10	-10	90	NBR	444503W	7322BMN06	481865	8	9	2.0	063

Important: pressure vessels included in this page are supplied with the standard 2995 housing integrated.

G	A		B		C	
NPT	mm	inch	mm	inch	mm	inch
1-1/4"	145	5.70	144.5	5.68	102	4.01
1-1/2"	145	—	134	—	102	—
2"	173	—	148	—	118	—



Drawing 062

2/2

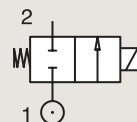
HOT WATER AND STEAM VALVES

DIRECT OPERATED

BRASS

PIPE MOUNTING

NORMALLY CLOSED



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv	KV	Qn	Min	Max(MOPD)		Min	Max					AC W	DC W		
BSP	mm	l/min	m³/h	l/min	bar	AC bar	DC bar	°C	°C								
1/4"	3	4.5	0.27	-	0	10	7	0	100	EPDM	121K0323	2995	481865	8	9	2.0	3510
	3	4.5	0.27	-	0	10	8.5	0	120	EPDM	121K0323	4270	481000	8	8	2.0	3510
	3	4.5	0.27	-	0	10	10	0	120	EPDM	121K0323	4270	486265	14	14	2.0	3510
	3	4.5	0.27	-	0	10	10	0	120	EPDM	121K0323	2995	492425	14	14	2.0	3510
	5	11	0.66	750	0	7	2	0	100	EPDM	121K0103	2995	481865	8	9	2.0	3510
	5	11	0.66	750	0	7	2.8	0	120	EPDM	121K0103	4270	481000	8	8	2.0	3510
	5	11	0.66	750	0	7	5	0	120	EPDM	121K0103	4270	486265	14	14	2.0	3510
	5	11	0.66	750	0	4	3.5	0	120	EPDM	121K0103	2995	492425	14	14	2.0	3510
3/8"	6	12	0.72	1100	0	5	1.1	0	100	EPDM	121K3303	2995	481865	8	9	2.0	3551
	6	12	0.72	1100	0	5	1.5	0	120	EPDM	121K3303	4270	481000	8	8	2.0	3551
	6	12	0.72	1100	0	4	4	0	120	EPDM	121K3303	4270	486265	14	14	2.0	3551
	6	12	0.72	1100	0	4	4	0	140	EPDM	121K3303	2995	492425	14	14	2.0	3551
1/2"	8.5	25	1.5	-	0	2.2	0.5	0	120	EPDM	E121K4603	4270	481000	8	8	2.0	3427
	8.5	25	1.5	-	0	4	1.2	0	120	EPDM	E121K4603	4270	486265	14	14	2.0	3427
	8.5	25	1.5	-	0	4	1	0	120	EPDM	E121K4603	2995	492425	14	14	2.0	3427
	11	36	2.16	-	0	1.2	0.35	0	120	EPDM	E121K4503	4270	481000	8	8	2.0	3427
	11	36	2.16	-	0	2.5	0.7	0	120	EPDM	E121K4503	4270	486265	14	14	2.0	3427
	11	36	2.16	-	0	2.5	0.5	0	120	EPDM	E121K4503	2995	492425	14	14	2.0	3427

2/2

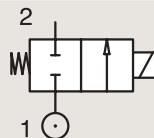
HOT WATER AND STEAM VALVES

DIRECT OPERATED

303 STAINLESS ST.

PIPE MOUNTING

NORMALLY CLOSED



Port size (BSP)	Orifice Ø mm	Flow factors			Operating Pressure Differential Max(MOPD)			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn m³/h	Min bar	AC bar	DC bar	Min °C	Max °C					AC W	DC W		
1/4"	1.5	1.5	0.09	80	0	60	25	0	100	Ruby	121V5463	2995	481865	8	9	2.0	8116
	1.5	1.5	0.09	80	0	75	30	0	130	Ruby	121V5463	4270	481000	8	8	2.0	8116
	1.5	1.5	0.09	80	0	100	55	0	140	Ruby	121V5463	4270	486265	14	14	2.0	8116
	2.5	3.5	0.21	220	0	28	10	0	100	Ruby	121V5763	2995	481865	8	9	2.0	8116
	2.5	3.5	0.21	220	0	34	12	0	130	Ruby	121V5763	4270	481000	8	8	2.0	8116
	2.5	3.5	0.21	220	0	50	22	0	140	Ruby	121V5763	4270	486265	14	14	2.0	8116
	3	4.5	0.27	315	0	20	7	0	100	Ruby	121V5363	2995	481865	8	9	2.0	8116
	3	4.5	0.27	315	0	25	8.5	0	130	Ruby	121V5363	4270	481000	8	8	2.0	8116
	3	4.5	0.27	315	0	36	15	0	140	Ruby	121V5363	4270	486265	14	14	2.0	8116
	4	7	0.42	450	0	12	4	0	100	Ruby	121V5263	2995	481865	8	9	2.0	8116
	4	7	0.42	450	0	15	5	0	130	Ruby	121V5263	4270	481000	8	8	2.0	8116
	4	7	0.42	450	0	22	10	0	180	Ruby	121V5263	4270	486265	14	14	2.0	8116
	5	10	0.6	750	0	8.5	2	0	100	Ruby	121V5163	2995	481865	8	9	2.0	8116
	5	10	0.6	750	0	10	3.5	0	130	Ruby	121V5163	4270	481000	8	8	2.0	8116
	5	10	0.6	750	0	14	6.5	0	140	Ruby	121V5163	4270	486265	14	14	2.0	8116
1/4" NPT	3	4.5	0.27	315	0	20	7	0	100	Ruby	U121V5363	2995	481865	8	8	2.0	8116

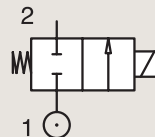
2/2

VALVES FOR HYDRAULIC OIL AND NEUTRAL LIQUIDS (UP TO 100 BAR) DIRECT OPERATED

BRASS

PIPE MOUNTING

NORMALLY CLOSED

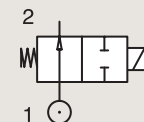


Port size (BSP)	Orifice Ø mm	Flow factors			Operating Pressure Differential Max(MOPD)			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn m³/h	Min bar	AC bar	DC bar	Min °C	Max °C					AC W	DC W		
3/8"	4	7.5	0.45	480	0	10	4	-10	100	FKM	121K3206	2995	481865	8	9	2.0	3551
	4	7.5	0.45	480	0	10	5	-10	120	FKM	121K3206	4270	481000	8	8	2.0	3551
	4	7.5	0.45	480	0	10	10	-10	120	FKM	121K3206	4270	486265	14	14	2.0	3551
	5	11	0.66	750	0	7	2	-10	100	FKM	121K3106	2995	481865	8	9	2.0	3551
	5	11	0.66	750	0	7	2.8	-10	120	FKM	121K3106	4270	481000	8	8	2.0	3551
	5	11	0.66	750	0	7	5	-10	120	FKM	121K3106	4270	486265	14	14	2.0	3551
	6	12	0.72	1100	0	5	1.1	-10	100	FKM	121K3306	2995	481865	8	9	2.0/14.2	3551
	6	12	0.72	1100	0	5	1.5	-10	120	FKM	121K3306	4270	481000	8	8	2.0/14.2	3551
	6	12	0.72	1100	0	5	3	-10	120	FKM	121K3306	4270	486265	14	14	2.0/14.2	3551

BRASS

PIPE MOUNTING

NORMALLY OPEN



Port size BSP	Orifice Ø mm	Flow factors			Operating Pressure Differential Max(MOPD)			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn l/min	Min bar	AC bar	DC bar	Min °C	Max °C					AC W	DC W		
1/8"	2.5	3.5	0.21	-	0	30	-	-30	140	Ruby	122K9363	4270	481044	14	-	2.2	3510
	2.5	3.5	0.21	-	0	30	30	-30	140	Ruby	122K9363	4270	486265	14	14	2.2	3510
1/4"	1.5	1.5	0.09	80	0	30	30	-10	100	PCTFE	122K84	2995	481865	8	9	2.0	3510
	1.5	1.5	0.09	80	0	30	30	-10	100	PCTFE	122K84	4270	481000	8	8	2.0	3510
	1.5	1.5	0.09	80	0	30	30	-10	120	PCTFE	122K84	4270	486265	14	14	2.0	3510
	1.5	1.5	0.09	80	0	40	40	-30	100	Ruby	122K8408	2995	481865	8	9	2.0	3510
	1.5	1.5	0.09	80	0	40	40	-30	130	Ruby	122K8408	4270	481000	8	8	2.0	3510
	1.5	1.5	0.09	80	0	40	40	-30	130	Ruby	122K8408	4270	486265	14	14	2.0	3510
	2.5	3.5	0.21	-	0	30	-	-30	140	Ruby	122K8363	4270	481044	14	-	2.2	3510
	2.5	3.5	0.21	-	0	30	30	-30	140	Ruby	122K8363	4270	486265	14	14	2.2	3510

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HIGH CORROSION RESISTANT VALVES (303 STAINLESS ST.) DIRECT OPERATED

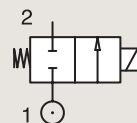


Process

303 STAINLESS ST.

PIPE MOUNTING

NORMALLY CLOSED



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	IS	Power		Coil Group	Dwg. No.
		Kv	Qn	Qn	Min	Max(MOPD)	Max	Min	Max						AC W	DC W		
BSP	mm	l/min	m³/h	m³/h	bar	AC bar	DC bar	°C	°C									
1/4"	1.5	1.5	0.09	80	0	20	20	-10	100	FKM	121V5406	2995	481865		8	9	2.0	8116
	1.5	1.5	0.09	80	0	20	20	-10	120	FKM	121V5406	4270	481000		8	8	2.0	8116
	1.5	1.5	0.09	80	0	60	25	0	100	Ruby	121V5463 ₁	2995	481865		8	9	2.0	8116
	1.5	1.5	0.09	80	0	75	30	0	130	Ruby	121V5463 ₁	4270	481000		8	8	2.0	8116
	1.5	1.5	0.09	80	0	100	55	0	140	Ruby	121V5463 ₁	4270	486265		14	14	2.0	8116
	1.5	1.5	0.09	80	0	-	8	-20	75	PUR	121V5497 ₂	2995	482740		-	1.6	6.0/8.0	8116
	1.5	1.5	0.09	80	0	10	10	-20	75	PUR	121V5497 ₂	-	495900		2.5	2	6.0/8.0	8024
	1.5	1.5	0.09	80	0	-	10	-20	75	PUR	121V5497 ₂	-	495910	*	-	0.3-1.2	6.0/8.0	8024
	1.5	1.5	0.09	80	0	-	8	-20	65	PUR	121V5497 ₂	2995	496125		-	1.6	6.0/8.0	8116
	2.5	3.5	0.21	220	0	14	7	-10	100	FKM	121V5706	2995	481865		8	9	2.0	8116
	2.5	3.5	0.21	220	0	14	9	-10	120	FKM	121V5706	4270	481000		8	8	2.0	8116
	2.5	3.5	0.21	220	0	14	14	-10	120	FKM	121V5706	4270	486265		14	14	2.0	8116
	2.5	3.5	0.21	220	0	28	10	0	100	Ruby	121V5763 ₁	2995	481865		8	9	2.0	8116
	2.5	3.5	0.21	220	0	34	12	0	130	Ruby	121V5763 ₁	4270	481000		8	8	2.0	8116
	2.5	3.5	0.21	220	0	50	22	0	140	Ruby	121V5763 ₁	4270	486265		14	14	2.0	8116
	3	4.5	0.27	315	0	10	7	-10	100	FKM	121V5306	2995	481865		8	9	2.0	8116
	3	4.5	0.27	315	0	10	8.5	-10	120	FKM	121V5306	4270	481000		8	8	2.0	8116
	3	4.5	0.27	315	0	10	10	-10	120	FKM	121V5306	4270	486265		14	14	2.0	8116
	3	4.5	0.27	315	0	20	7	0	100	Ruby	121V5363 ₁	2995	481865		8	9	2.0	8116
	3	4.5	0.27	315	0	25	8.5	0	130	Ruby	121V5363 ₁	4270	481000		8	8	2.0	8116
	3	4.5	0.27	315	0	36	15	0	140	Ruby	121V5363 ₁	4270	486265		14	14	2.0	8116

Notes:

1. Valve only compatible with hydraulic oil and neutral liquids
2. If media is water, the fluid temperature shall not exceed 40°C.

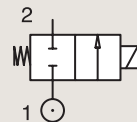
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HIGH CORROSION RESISTANT VALVES (303 STAINLESS ST.) DIRECT OPERATED

303 STAINLESS ST.

PIPE MOUNTING

NORMALLY CLOSED



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	IS	Power		Coil Group	Dwg. No.
		Kv	Qn	Qn	Min	Max(MOPD)	Max	Min	Max						AC W	DC W		
BSP	mm	l/min	m³/h	m³/h	bar	AC bar	DC bar	°C	°C									
1/4"	3	3.5	0.21	220	0	-	2	-20	75	PUR	121V5397 ₂	2995	482740	-	1.6		6.0/8.0	8116
	3	3.5	0.21	220	0	4.5	4	-20	75	PUR	121V5397 ₂	-	495900	2.5	2		6.0/8.0	8024
	3	3.5	0.21	220	0	-	4.5	-20	75	PUR	121V5397 ₂	-	495910	*	-	0.3-1.2	6.0/8.0	8024
	3	3.5	0.21	220	0	-	2	-20	65	PUR	121V5397 ₂	2995	496125	-	1.6		6.0/8.0	8116
	4	7	0.42	450	0	10	4	-10	100	FKM	121V5206	2995	481865	8	9		2.0	8116
	4	7	0.42	450	0	10	5	-10	120	FKM	121V5206	4270	481000	8	8		2.0	8116
	4	7	0.42	450	0	10	10	-10	120	FKM	121V5206	4270	486265	14	14		2.0	8116
	4	7	0.42	450	0	3.5	3.5	0	100	PTFE	121V5212 ₁	2995	481865	8	9		2.0	8116
	4	7	0.42	450	0	3.5	3.5	0	130	PTFE	121V5212 ₁	4270	481000	8	8		2.0	8116
	4	7	0.42	450	0	3.5	3.5	0	130	PTFE	121V5212 ₁	4270	486265	14	14		2.0	8116
	4	7	0.42	450	0	12	4	0	100	Ruby	121V5263 ₁	2995	481865	8	9		2.0	8116
	4	7	0.42	450	0	15	5	0	130	Ruby	121V5263 ₁	4270	481000	8	8		2.0	8116
	4	7	0.42	450	0	22	10	0	180	Ruby	121V5263 ₁	4270	486265	14	14		2.0	8116
	5	10	0.6	750	0	7	2	-10	100	FKM	121V5106	2995	481865	8	9		2.0	8116
	5	10	0.6	750	0	7	2.8	-10	120	FKM	121V5106	4270	481000	8	8		2.0	8116
	5	10	0.6	750	0	7	5	-10	120	FKM	121V5106	4270	486265	14	14		2.0	8116
	5	10	0.6	-	0	2.8	2	0	100	PTFE	121V5112 ₁	2995	481865	8	9		2.0	8116
	5	10	0.6	-	0	2.8	2.8	0	130	PTFE	121V5112 ₁	4270	481000	8	8		2.0	8116
	5	10	0.6	-	0	2.8	2.8	0	130	PTFE	121V5112 ₁	4270	486265	14	14		2.0	8116
	5	10	0.6	750	0	8.5	2	0	100	Ruby	121V5163 ₁	2995	481865	8	9		2.0	8116
	5	10	0.6	750	0	10	3.5	0	130	Ruby	121V5163 ₁	4270	481000	8	8		2.0	8116
	5	10	0.6	750	0	14	6.5	0	140	Ruby	121V5163 ₁	4270	486265	14	14		2.0	8116
1/4" NPT	3	4.5	0.27	315	0	10	7	-10	100	FKM	U121V5306	2995	481865	8	9		2.0	8116
	3	4.5	0.27	315	0	20	7	0	100	Ruby	U121V5363	2995	481865	8	9		2.0	8116

Notes:

1. Valve only compatible with hydraulic oil and neutral liquids

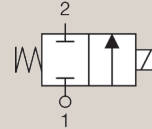
2. Valve compatible with water only up to If fluid is water, temperature shall not exceed 40°C

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VALVES FOR BEVERAGE DISPENSING AND LIQUIPURE®

DIRECT OPERATED

CW510L BRASS BODY PIPE MOUNTING FLANGED (SB)



NORMALLY CLOSED

Port Size	Orifice Ø mm	Flow Factors		Operating Pressure Differential			Fluid Temperature		Seat Seal	Parker Valves			Power		Coil Group	Dwg N°
		Kv	KV	Min.	Max. (MOPD)	DC bar	Min.	Max.		Valve Ref.	Housing Ref.	Coil Ref.	AC W	DC W		
G1/4"	1.5	1.5	0.09	0	20	18	-10	140	FDA FKM	121KH1015	2995	481865	9	8	2.0, 2.1, 2.2	1
	2.0	2.6	0.16	0	20	15	-10	140	FDA FKM	121KH1020	2995	481865	9	8	2.0, 2.1, 2.2	
	2.5	3.5	0.21	0	19	14.5	-10	140	FDA FKM	121KH1025	2995	481865	9	8	2.0, 2.1, 2.2	
	3.0	4.5	0.27	0	13	8.5	-10	140	FDA FKM	121KH1030	2995	481865	9	8	2.0, 2.1, 2.2	2
	4.0	5.5	0.33	0	9	6	-10	140	FDA FKM	121KH1040	2995	481865	9	8	2.0, 2.1, 2.2	
	5.0	9.5	0.57	0	2.5	2	-10	140	FDA FKM	121KH1050	2995	481865	9	8	2.0, 2.1, 2.2	
	1.5	1.5	0.09	0	20	18	-10	140	Ruby	121KH0015	2995	481865	9	8	2.0, 2.1, 2.2	1
SB	2.0	2.6	0.16	0	20	15	-10	140	Ruby	121KH0020	2995	481865	9	8	2.0, 2.1, 2.2	
	2.5	3.5	0.21	0	19	14.5	-10	140	Ruby	121KH0025	2995	481865	9	8	2.0, 2.1, 2.2	3
	3.0	4.5	0.27	0	13	8.5	-10	140	Ruby	121KH0030	2995	481865	9	8	2.0, 2.1, 2.2	
	1.5	1.4	0.08	0	20	20	-10	140	FDA FKM	121FH1015	2995	481865	9	8	2.0, 2.1, 2.2	
	2.0	2.3	0.14	0	20	20	-10	140	FDA FKM	121FH1020	2995	481865	9	8	2.0, 2.1, 2.2	
	2.5	3.0	0.18	0	20	14	-10	140	FDA FKM	121FH1025	2995	481865	9	8	2.0, 2.1, 2.2	
	3.0	3.4	0.2	0	17	10	-10	140	FDA FKM	121FH1030	2995	481865	9	8	2.0, 2.1, 2.2	
	1.5	1.4	0.08	0	20	20	-10	140	Ruby	121FH0015	2995	481865	9	8	2.0, 2.1, 2.2	
	2.0	2.3	0.14	0	20	20	-10	140	Ruby	121FH0020	2995	481865	9	8	2.0, 2.1, 2.2	
	2.5	3.0	0.18	0	20	14	-10	140	Ruby	121FH0025	2995	481865	9	8	2.0, 2.1, 2.2	
	3.0	3.4	0.2	0	17	10	-10	140	Ruby	121FH0030	2995	481865	9	8	2.0, 2.1, 2.2	

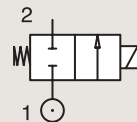
2/2

OIL BURNER VALVES
DIRECT OPERATED

BRASS

PIPE MOUNTING

NORMALLY CLOSED

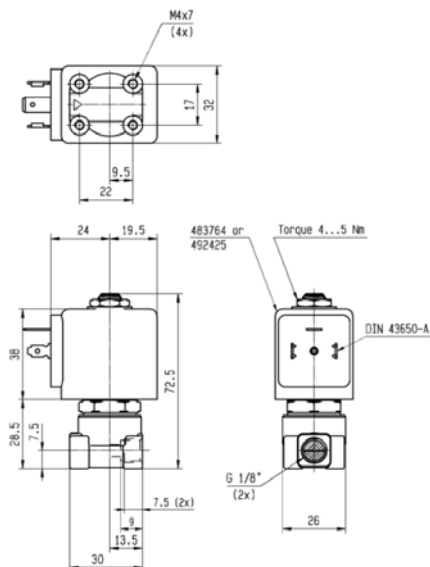


Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn l/min	Min bar	Max(MOPD) AC bar	DC bar	Min °C	Max °C					AC W	DC W		
1/8"	2.2	2.8	0.17	-	0	25	-	-10	120	Ruby	121Z2323	299522	483764	9	-	14.2	7863
	3	4	0.24	-	0	30	-	-30	160	Ruby	121K2423 ₁	852023	483824	19	-	14.1	3292
1/4"	3	4.5	0.27	-	0	30	-	-30	160	Ruby	121K6423 ₁	852023	483824	19	-	14.1	3292
	4	6.5	0.39	-	0	30	-	0	160	Ruby	121K6220 ₁	852023	483541	20	-	14.3	3510
3/8"	6	12	0.72	-	0	5	-	0	120	Ruby	121K3321 ₁	2995	492425	14	-	14.1	3551
	11	22	1.32	-	0	30	-	0	160	FKM	121G2320 ₁₂	852023	483541	20	-	14.3	3646
1/2"	14	25	1.5	-	0	30	-	0	160	FKM	121G2520 ₁₂	852023	483541	20	-	14.3	3646
	14	25	1.5	-	0	30	-	0	160	FKM	121G2523 ₁₂	852023	483824	19	-	14.1	3646

Notes:

1.DIN-EN-ISO 23553-1:2014-09 approved for oil burners

2.Max. Static pressure = 30 bar; max pressure differential = 0.2 bar



Drawing 7863

COIL 22 mm

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages.

This coil is designed for valves equipped with a miniature tube assembly (2000 series valves). This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.



Specification			Standard (only if used with 321K, 121M, 131M valves)			
Reference (without DIN plug) Reference (with DIN plug)			492912			
Coil Group			1.1			
Degree of protection			IP65 according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation			A 105°C for UL/CSA			
Electrical connection			The coil is connected with a 2 P + E plug according to EN 175301-803 type B.			
Ambient temperature			-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	Pn (hot)	4 W			
		P (cold) 20°C	4.5 W			
	AC	Pn (holding)	3 W			
		Attraction cold	7.5 VA (4 W)			
Weight			100 g with DIN Plug			
Voltages "Un"			VAC/Hz	Code	VDC	Code
- 15% to +10% of the Un			115/50-120/60	P8	24	C2

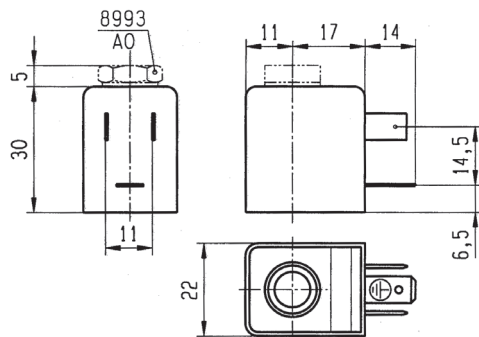
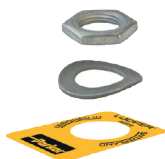
To Order a Coil choose Coil Ref + Voltage Code, example: 492912 for 24 VDC = 492912C2

More voltage possibilities can be found in the table of voltage codes at the end of the coil section.

These coils must be used with suitable housings, see example below:

Please use the coil assembly kit Ref. 8993.

It is composed of a nameplate giving details of the valve type, a round washer and a nut to ensure the fixing between 22 mm coil and the valve.



INDEX BY VALVE REFERENCE

Valve Reference	Page	Valve Reference	Page	Valve Reference	Page	Valve Reference	Page
E 131E03	178,274	E 121K0352	24,62	121KH1050	138	122K8406	28,114
U 033X0111	298	121K0397	24	121M13	22,62	122K9321	158
U 033X5156	370	E 121K04	22,112	121M14	22,62	122K9363	28,114
U 033X5195	374	E 121K0402	22,62	121V5106	130	122V8306	132
U 033X5256	376	121K0497	22	121V5112	130	125K01	28,66
U 033X7759	372	E 121K07	22	121V5163	104,130	125K03	28
121F2523	158	121K0706	22,62	121V5206	130	131B04	192
E 121F43	30,116	121K1302	22	121V5212	130	131B14	192
E 121F4302	30,68	E 121K14	22,112	121V5263	104,130	E 131F26	196
E 121F44	30,116	E 121K23	22,112	121V5306	128	E 131F43	188
E 121F4406	30,68	121K2423	156	121V5363	104,128	E 131F4350	188
121F4417	30	121K3106	26,64,114	121V5397	130	131F4397	280
121F47	30	121K3206	26,64,114	121V5406	128	E 131F44	188
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