

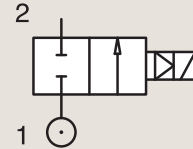
# 2 Way Valves

## 2/2 Valves for dry or lubricated air, neutral gases and liquids Pilot Operated

BRASS

PIPE MOUNTING

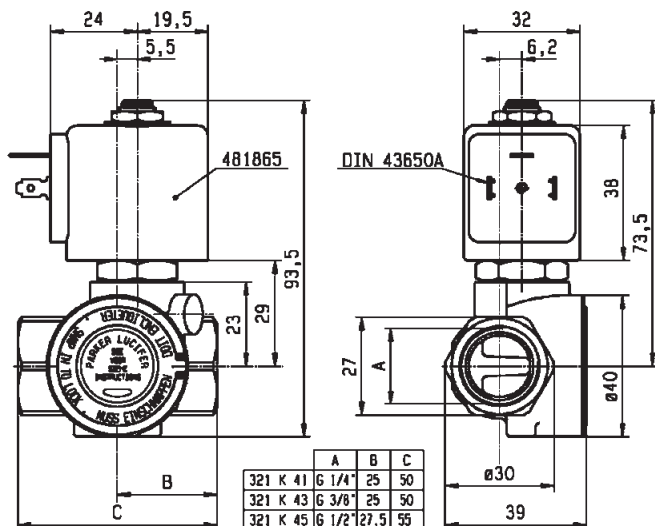
**NORMALLY CLOSED**



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Parker LUCIFER® Valves			Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn l/min	Min bar	AC bar	DC bar	Min °C	Max °C		Valve Ref.	Housing Ref.	Coil Ref.	AC W	DC W		
1/4"	8	36	2.16	1600	0.3	40	25	-10	100	NBR	E321H11 <sup>124</sup>	2995	481865	8	9	2.0	3523
	8	36	2.16	1600	0.3	40	30	-10	100	NBR	E321H11 <sup>124</sup>	4270	481000	8	8	2.0	3523
	8	36	2.16	1600	0.3	40	40	-10	100	NBR	E321H11 <sup>124</sup>	4270	486265	14	14	2.0	3523
	11	28	1.68	1800	0.2	10	3	-10	100	NBR	E321K10	2995	481865	8	9	2.0	3429
	11	28	1.68	1800	0.2	10	4	-10	100	NBR	E321K10	4270	481000	8	8	2.0	3429
	12	30	1.8	2150	0.3	10	10	-10	100	NBR	321K31	8993	481180	4	5	1.1	7093
	12	30	1.8	2150	0.3	10	7	-10	75	NBR	321K31	8993	488980	2	2.5	1.1	7093
	12	30	1.8	2150	0.3	10	10	-10	100	FKM	321K3106	8993	481180	4	5	1.1	7093
	12	30	1.8	2150	0.3	10	7	-10	75	FKM	321K3106	8993	488980	2	2.5	1.1	7093
	12	32	1.92	2150	0.3	12	12	-10	100	FKM	321K4156 <sup>3</sup>	2995	481865	8	9	2.1/3.0	7094
	12	32	1.92	2150	0.3	12	12	-10	120	FKM	321K4156 <sup>3</sup>	4270	481000	8	8	2.1/3.0	7094

**Notes:**

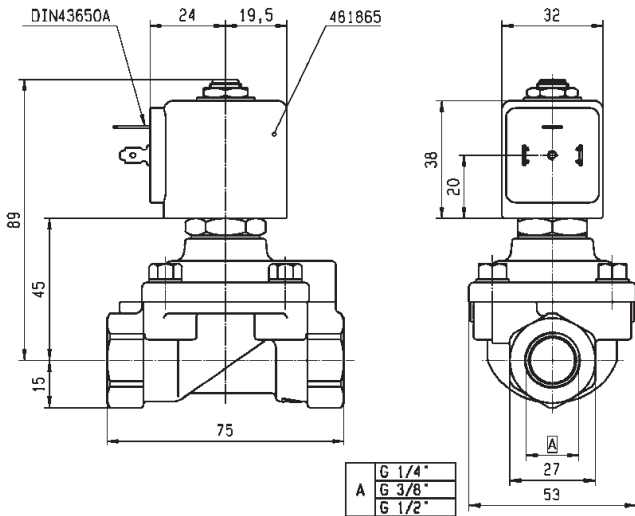
1. Minimum pressure differential = 0.3 bar for opening and 0 bar for closing
2. Pilot seat disc in synthetic Ruby
3. Valve with manual override
4. With 4 position selector for controlled closure rate



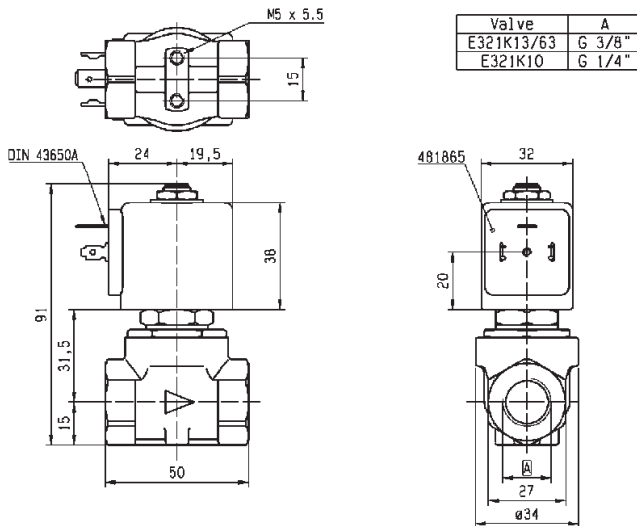
Drawing 7094



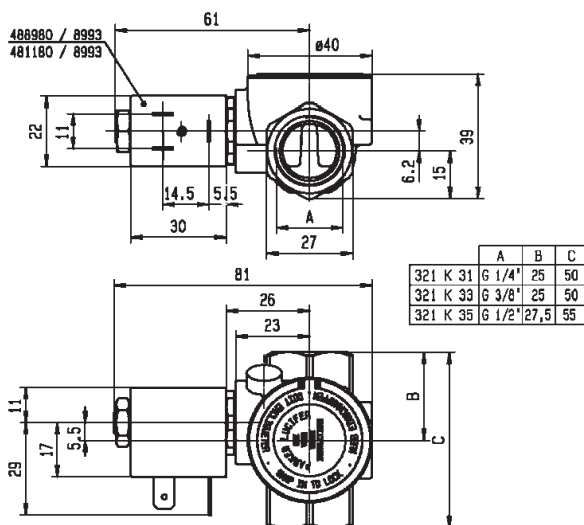
For this page	Port size	Orifice (mm)	Kv (l/min)	MOPD (bar)	Fluid Temp (°C)	Amb Temp (°C)
From	1/4"	8	28	3	-10	-10
To	1/4"	12	36	40	120	50



Drawing 3523



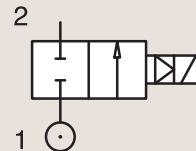
Drawing 3429



Drawing 7093

# BRASS PIPE MOUNTING

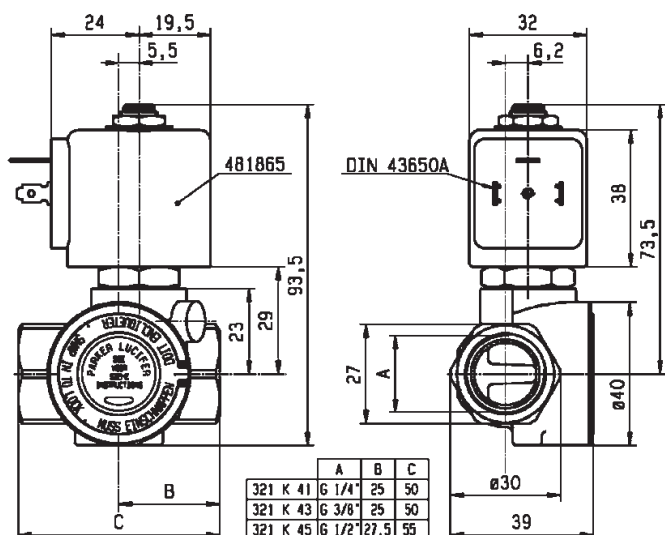
## NORMALLY CLOSED



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Parker LUCIFER® Valves			Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn l/min	Min bar	Max(MOPD) AC bar	DC bar	Min °C	Max °C		Valve Ref.	Housing Ref.	Coil Ref.	AC W	DC W		
3/8"	11	50	3	2800	0.3	40	25	-10	100	NBR	E321H13 <sup>124</sup>	2995	481865	8	9	2.0	3521
	11	50	3	2800	0.3	40	30	-10	100	NBR	E321H13 <sup>124</sup>	4270	481000	8	8	2.0	3521
	11	50	3	2800	0.3	40	40	-10	100	NBR	E321H13 <sup>124</sup>	4270	486265	14	14	2.0	3521
	11	36	2.16	2500	0.2	10	4	-10	100	NBR	E321K13	4270	481000	8	8	2.0	3429
	11	36	2.16	2500	0.2	10	10	-10	100	NBR	E321K13	4270	486265	14	14	2.0	3429
	11	36	2.16	2500	0.2	10	-	-10	100	NBR	E321K1314	2995	483466	8 to 11	-	2.0	3429
	11	36	2.16	2500	0.2	10	10	-10	100	NBR	E321K1314	4270	486265	14	14	2.0	3429
	12	45	2.7	3050	0.3	10	10	-10	100	NBR	321K33	8993	481180	4	5	1.1	7093
	12	45	2.7	3050	0.3	10	7	-10	75	NBR	321K33	8993	488980	2	2.5	1.1	7093
	12	45	2.7	3050	0.3	10	10	-10	100	FKM	321K3306 <sup>1</sup>	8993	481180	4	5	1.1	7093
	12	45	2.7	3050	0.3	10	7	-10	75	FKM	321K3306 <sup>1</sup>	8993	488980	2	2.5	1.1	7093
	12	45	2.7	3050	0.3	12	12	-10	100	FKM	321K4356 <sup>3</sup>	2995	481865	8	9	2.1/3.0	7094
	12	45	2.7	3050	0.3	12	12	-10	120	FKM	321K4356 <sup>3</sup>	4270	481000	8	8	2.1/3.0	7094

### Notes:

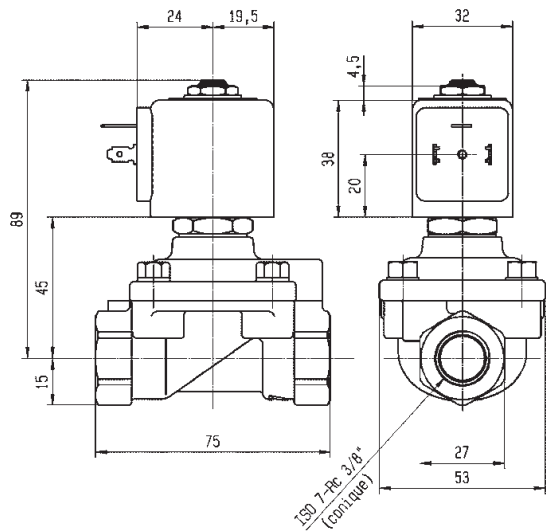
1. Minimum pressure differential = 0.3 bar for opening and 0 bar for closing
2. Pilot seat disc in synthetic Ruby
3. Valve with manual override
4. With 4 position selector for controlled closure rate



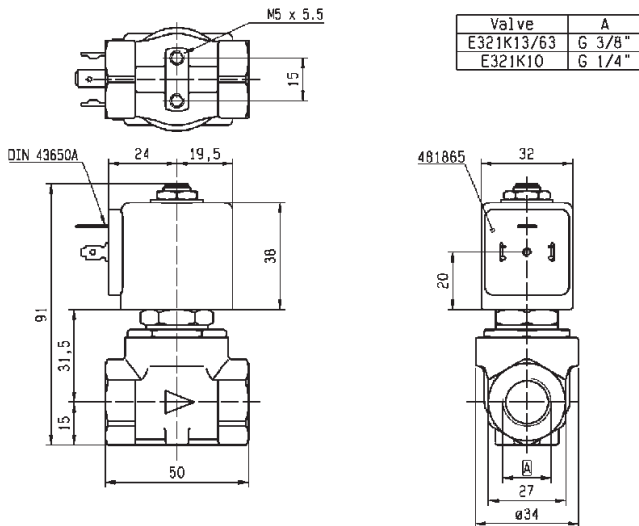
Drawing 7094



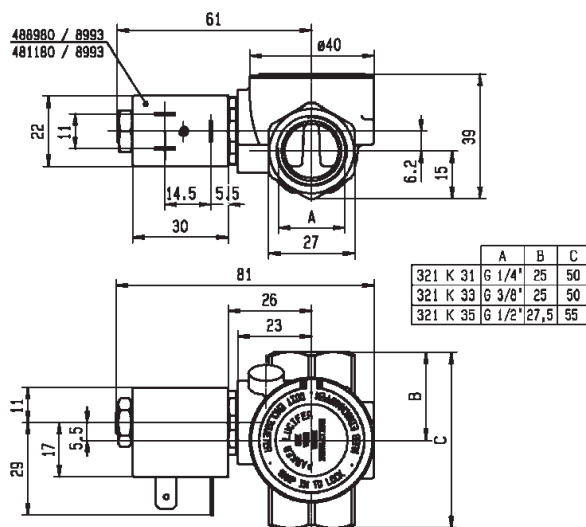
For this page	Port size	Orifice (mm)	Kv (l/min)	MOPD (bar)	Fluid Temp (°C)	Amb Temp (°C)
From	3/8"	11	36	4	-10	-10
To	3/8"	12	50	40	120	50



Drawing 3521



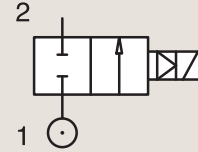
Drawing 3429



Drawing 7093

# BRASS PIPE MOUNTING

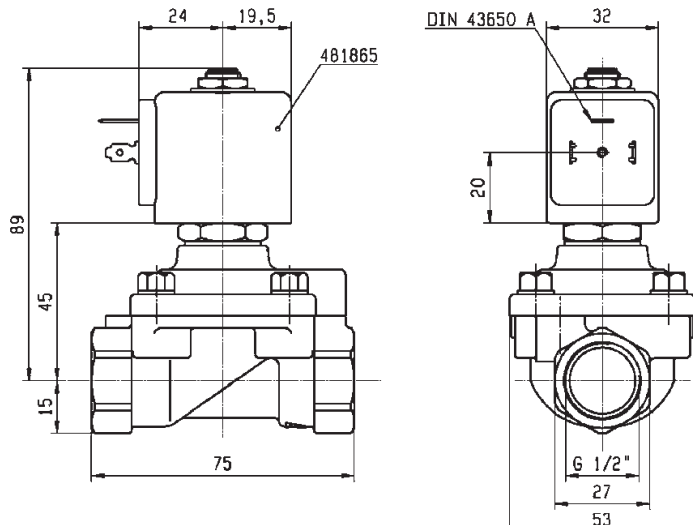
## NORMALLY CLOSED



Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Parker LUCIFER® Valves			IS	Power		Coil Group	Dwg. No.
		BSP	mm	Kv l/min	KV m³/h	Qn l/min	Min bar	Max(MOPD) AC bar	DC bar		Min °C	Max °C	Valve Ref.		Housing Ref.	Coil Ref.		
1/2"	11	36	2.16	2500	0.2	10	3	-10	100	NBR	E321K15	2995	481865	8	9	2.0	3427	
	11	36	2.16	2500	0.2	10	10	-10	120	NBR	E321K15	4270	486265	14	14	2.0	3427	
	11	36	2.16	2500	0.2	10	3	-10	100	NBR	E321K1514	2995	481865	8	9	2.0	3427	
	11	36	2.16	2500	0.2	10	4	-10	120	NBR	E321K1514	-	483371	8	8	2.0	3427	
	11	36	2.16	2500	0.2	10	3	-10	100	NBR	E321K25	2995	481865	8	9	2.0	3427	
	11	36	2.16	2500	0.2	4	4	-10	120	NBR	E321K25	-	492070	9	8	2.0	3427	
	12	50	3	3400	0.3	10	10	-10	100	NBR	321K35	8993	481180	4	5	1.1	7093	
	12	50	3	3400	0.3	10	7	-10	75	NBR	321K35	8993	488980	2	2.5	1.1	7093	
	12	50	3	3400	0.3	10	10	-10	100	FKM	321K3506	8993	481180	4	5	1.1	7093	
	12	50	3	3400	0.3	10	7	-10	75	FKM	321K3506	8993	488980	2	2.5	1.1	7093	
	15	60	3.6	3150	0.3	-	10	-10	100	NBR	321H1590	2995	483580.01	*	-	0.5 to 3	7.0/8.0	3978
	15	60	3.6	3150	0.3	-	10	-10	100	NBR	321H1590	-	488660.01	*	-	0.3 to 3	7.0/8.0	3978
	15	60	3.6	3150	0.3	-	10	-10	100	NBR	321H1590	-	495910	*	-	0.3 to 3	7.0/8.0	3978
	15	60	3.6	3150	1.5	40	40	-10	50	PUR	321H35 <sup>23</sup>	2995	481865	8	9	2.1	3522	
	15	60	3.6	3150	1.5	40	40	-10	50	PUR	321H35 <sup>23</sup>	4270	481000	8	8	2.1	3522	
	15	60	3.6	3150	0.3	40	25	-10	100	NBR	E321H15 <sup>124</sup>	2995	481865	8	9	2.0	3522	
	15	60	3.6	3150	0.3	40	30	-10	100	NBR	E321H15 <sup>124</sup>	4270	481000	8	8	2.0	3522	
	15	60	3.6	3150	0.3	40	40	-10	100	NBR	E321H15 <sup>124</sup>	4270	486265	14	14	2.0	3522	

### Notes:

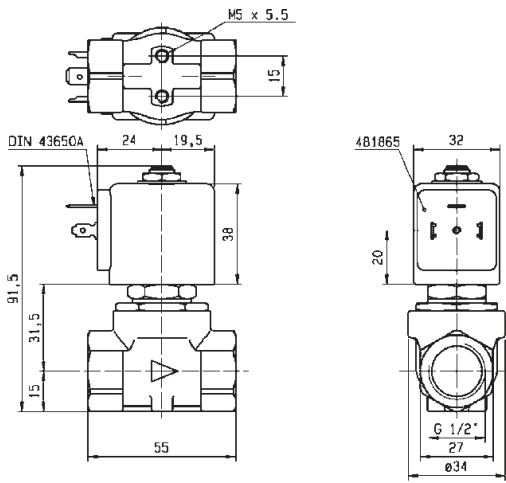
1. Minimum pressure differential = 0.3 bar for opening and 0 bar for closing
2. Pilot seat disc in synthetic Ruby
3. Valve with manual override
4. With 4 position selector for controlled closure rate



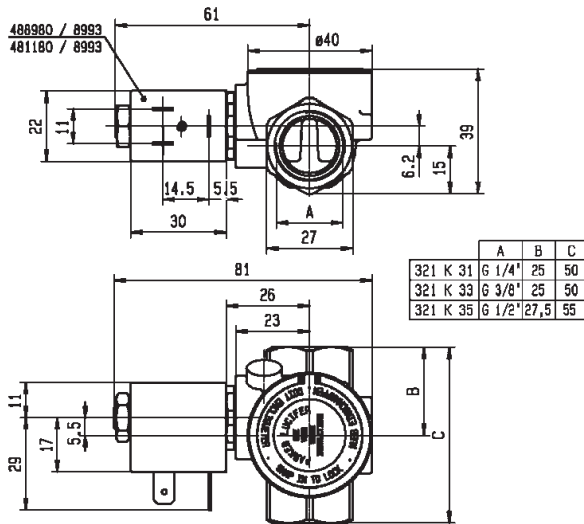
Drawing 3522



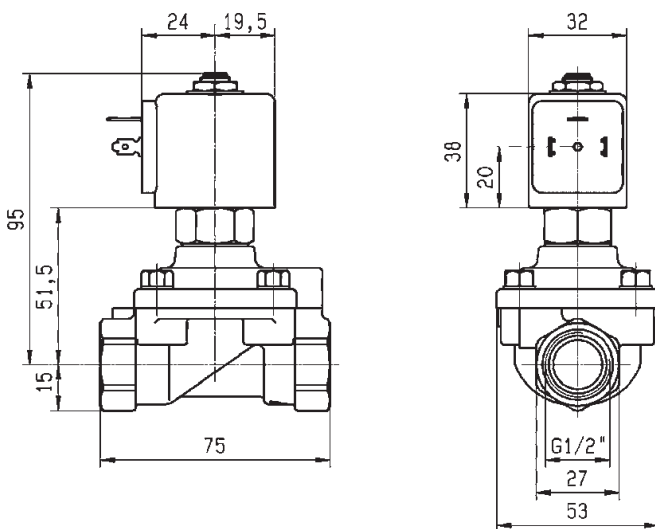
For this page	Port size	Orifice (mm)	Kv (l/min)	MOPD (bar)	Fluid Temp (°C)	Amb Temp (°C)
From	1/2"	11	36	3	-10	-10
To	1/2"	15	60	40	120	50



Drawing 3427



Drawing 7093

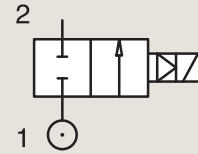


Drawing 3978

# BRASS

## PIPE MOUNTING

### NORMALLY CLOSED



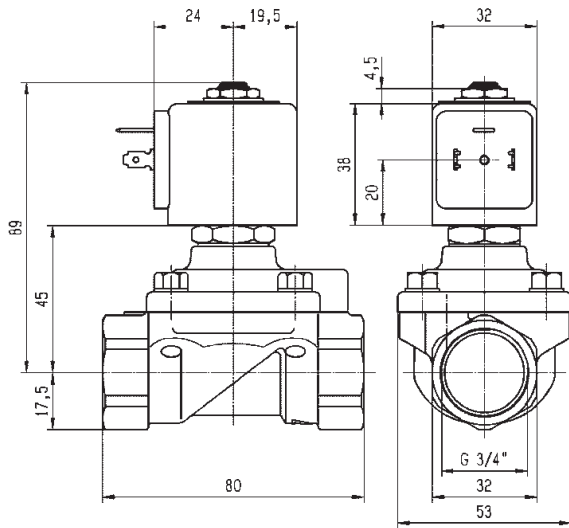
Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Parker LUCIFER® Valves			Power		Coil Group	Dwg. No.
		Kv l/min	KV m³/h	Qn l/min	Min bar	Max(MOPD) AC bar	DC bar	Min °C	Max °C		Valve Ref.	Housing Ref.	Coil Ref.	AC W	DC W		
3/4"	15	-	-	3550	1.5	40	40	-10	50	PUR	321H36 <sub>1</sub>	2995	481865	8	9	2.1	3696
	15	-	-	3550	1.5	40	40	-10	50	PUR	321H36 <sub>1</sub>	4270	481000	8	8	2.1	3696
	18	100	6	9400	0.3	10	10	-10	100	NBR	321K36	8993	481180	4	5	1.1	7097
	18	100	6	9400	0.3	10	7	-10	75	NBR	321K36	8993	488980	2	2.5	1.1	7097
	18	100	6	9400	0.3	10	10	-10	100	FKM	321K3606	8993	481180	4	5	1.1	7097
	18	100	6	9400	0.3	10	7	-10	75	FKM	321K3606	8993	488980	2	2.5	1.1	7097
	20	135	8.1	9500	0.3	16	16	-10	100	NBR	E321G36	2995	481865	8	9	2.0	3442
	20	135	8.1	9500	0.3	16	16	-10	100	NBR	E321G36	4270	481000	8	8	2.0	3442
	20	135	8.1	9500	0.3	16	16	-10	100	FKM	E321G3606	2995	481865	8	9	2.0/14.1	3442
	20	135	8.1	9500	0.3	16	16	-10	120	FKM	E321G3606	4270	481000	8	8	2.0/14.1	3442
	20	135	8.1	9500	0.3	16	16	-10	120	FKM	E321G3606	4270	486265	14	14	2.0/14.1	3442

#### Notes:

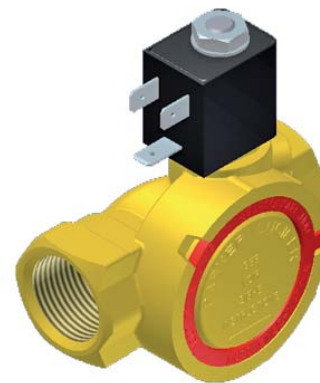
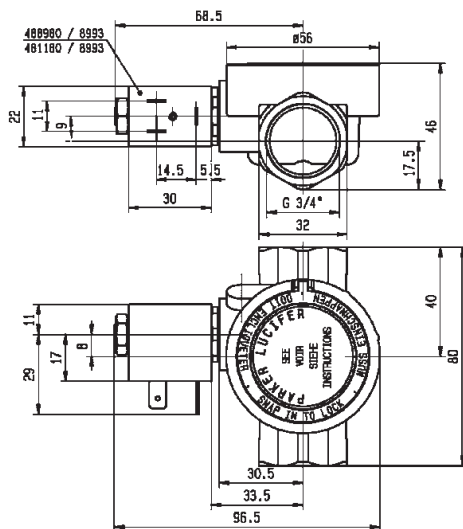
1. Pilot seat disc in synthetic Ruby



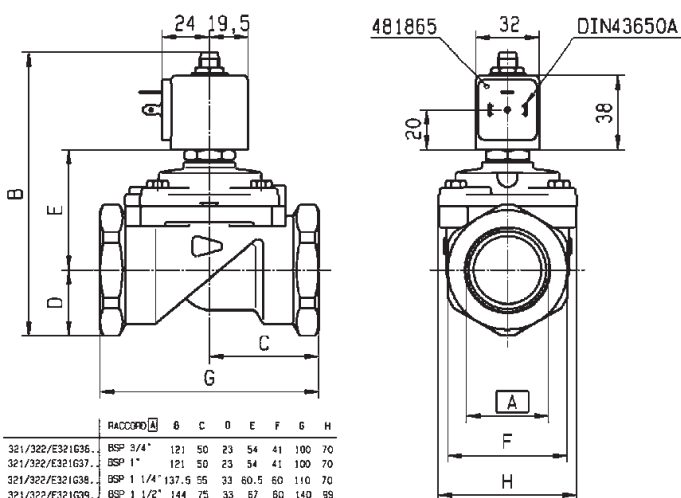
For this page	Port size	Orifice (mm)	Kv (l/min)	MOPD (bar)	Fluid Temp (°C)	Amb Temp (°C)
From	3/4"	15	100	7	-10	-10
To	3/4"	20	135	40	120	50



Drawing 3696



Drawing 7097



RACCORDO	B	C	D	E	F	G	H	
321/322/E321636	BSP 3/4"	121	50	23	54	41	100	70
321/322/E321637	BSP 1"	121	50	23	54	41	100	70
321/322/E321638	BSP 1 1/4"	137,5	55	33	60,5	60	110	70
321/322/E321639	BSP 1 1/2"	144	75	33	67	60	140	99
32103956/G3967	UNF 1 7/8"	144	75	33	67	60	140	99
L021/L022C40...	BSP 2"	158,5	80	41,5	73	75	150	99



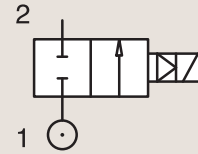
Drawing 3442



# BRASS

## PIPE MOUNTING

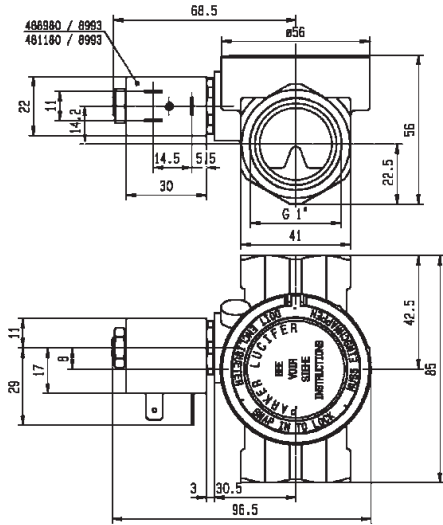
### NORMALLY CLOSED



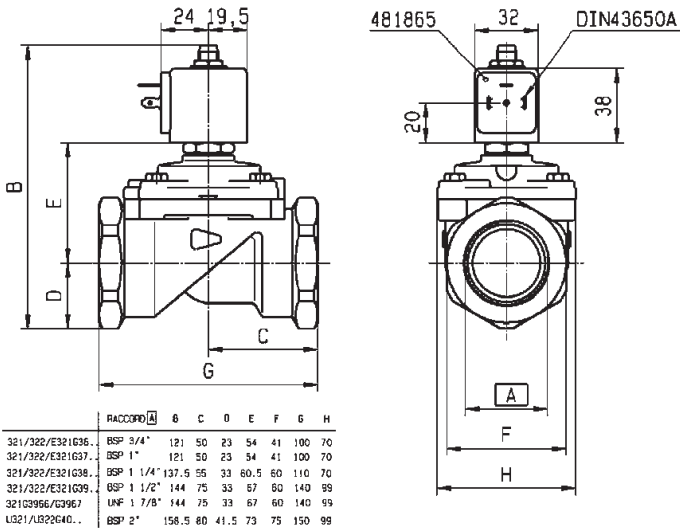
Port size	Orifice Ø	Flow factors			Operating Pressure Differential			Fluid Temp.		Seat Seal	Parker LUCIFER® Valves			IS	Power		Coil Group	Dwg. No.
					Min	Max(MOPD)	DC	Min	Max		Valve Ref.	Housing Ref.	Coil Ref.		AC W	DC W		
BSP	mm	Kv l/min	KV m³/h	Qn l/min	bar	AC bar	DC bar	°C	°C									
1"	18	110	6.6	10150	0.3	10	10	-10	100	NBR	321K37	8993	481180		4	5	1.1	7098
	18	110	6.6	10150	0.3	10	7	-10	75	NBR	321K37	8993	488980		2	2.5	1.1	7098
	18	110	6.6	10150	0.3	10	10	-10	100	FKM	321K3706	8993	481180		4	5	1.1	7098
	18	110	6.6	10150	0.3	10	7	-10	75	FKM	321K3706	8993	488980		2	2.5	1.1	7098
	25	185	11.1	14100	0.3	-	10	-10	75	NBR	321G3790	2995	483580.01	*	-	0.5 to 3	7.0/8.0	3442
	25	185	11.1	14100	0.3	-	10	-10	75	NBR	321G3790	-	488660.01	*	-	0.3 to 3	7.0/8.0	3442
	25	185	11.1	14100	0.3	-	10	-10	75	NBR	321G3790	-	495910	*	-	0.3 to 3	7.0/8.0	3442
	25	180	10.8	14000	0.3	16	16	-10	100	NBR	E321G37	2995	481865		8	9	2.0	3442
	25	180	10.8	14000	0.3	16	16	-10	100	NBR	E321G37	4270	481000		8	8	2.0	3442
	25	180	10.8	14000	0.3	16	16	-10	100	FKM	E321G3706	2995	481865		8	9	2.0/14.1	3442
	25	180	10.8	14000	0.3	16	16	-10	120	FKM	E321G3706	4270	481000		8	8	2.0/14.1	3442
	25	180	10.8	14000	0.3	16	16	-10	120	FKM	E321G3706	4270	486265		14	14	2.0/14.1	3442
	28	270	16.2	18000	0.3	16	16	-10	100	NBR	E321G38	2995	481865		8	9	2.0	3442
	28	270	16.2	18000	0.3	16	16	-10	100	NBR	E321G38	4270	481000		8	8	2.0	3442
	28	270	16.2	18000	0.3	16	16	-10	100	FKM	E321G3806	2995	481865		8	9	2.0	3442
	28	270	16.2	18000	0.3	16	16	-10	120	FKM	E321G3806	4270	481000		8	8	2.0	3442
	28	270	16.2	18000	0.3	16	16	-10	100	FKM	E321G3806	4270	486265		14	14	2.0	3442



For this page	Port size	Orifice (mm)	Kv (l/min)	MOPD (bar)	Fluid Temp (°C)	Amb Temp (°C)
From	1"	18	110	7	-10	-10
To	1"	28	270	16	120	50



Drawing 7098



Drawing 3442