



495915 - ELECTRICAL PARTS 50 mm

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

Application: Control of solenoid valves in dangerous areas where explosion-proof protection - Ex nAc nCc IIC T3 is required.

Benefits: Rotatable housing 360°, epoxy vernished steel with internal and external screw terminals for earth connection.

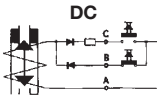
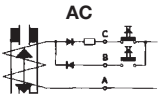
Small size for ease of mounting in confined space. Simplifies conversion of existing equipment to hazardous area requirements.



Reference			495915			
Certificate			LCIE 05 ATEX 6010 X			
Coil group			4.0			
Type of protection		Gas	II 3 G Ex nAc nCc IIC T3			
		Dust	II 3 D - Ex tc IIIC - T 195°C			
Degree of protection			IP67 according to IEC/EN 60529 Standards			
Ambient temperature			-40°C to +65°C The application is limited also by the temperature range of the valve.			
Insulation Class			F 155°C			
Electrical connection			By special cable gland M20 x 1.5 on screw terminals for wires up to 1.5 mm². Cable with outside diameter 6.5 mm to 13.5 mm can be simply sealed using the rubber gland with resilient sealing rings supplied			
Consumation Electrique	AC	Attraction (hot)	11 W	-		
		Attraction (cold) 20°C	17 W	-		
		Release (hot)	4 W	-		
		Release (cold) 20°C	7 W	-		
	DC	Attraction (hot)	-	13 W		
		Attraction (cold) 20°C	-	19 W		
		Release (hot)	-	8 W		
		Release (cold) 20°C	-	10 W		
Weight			320 g			
Duty cycle			Continuous duty solenoid (ED 100%)			
Voltages "Un"			VAC/Hz	Code	VDC	Code
-10% to +10% of the Un			110-115/50-60	1P	24	C2
			220-230/50-60	3P	48	C4
			48/50-60	S4		
			24/50-60	P0		

To Order a Coil choose Coil Ref + Voltage Code,
example: 495915 for 24 VDC = 495915C2

Schema



As soon as an electrical impulse is given to the terminals A-B, the electromagnetical force attracts the plunger and simultaneously magnetizes a reversible permanent magnet ring. This magnet retains the plunger in place. It stays in position even without current. Only an electrical impulse given to terminals A-C reserves the magnetic field. This magnetic field demagnetises the reversible magnet enough to allow the return spring to bring the plunger back to its initial position and close the valve.

Switch: Switch on (terminals A-B): Minimum 50 ms (maximum 1 s)
AC: Switch off (terminals A-C): Minimum 35 ms (maximum 1 s)

