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

Parker 201/202/301LG Series Stainless Steel Solenoid Valves

2/2 NC/NO and 3/2 NC

For Life Sciences, Food & Beverage and General Purpose Applications

Parker

ENGINEERING YOUR SUCCESS.

Parker Fluid Control Division Europe - FCDE

Who we are?

The Fluid Control Division in Europe (FCDE) is a division of Parker Hannifin, the global leader in motion and control technologies.

FCDE core competences are the development and manufacturing of an extremely diverse range of fluid control products, including solenoid valves and pressure regulators.

Where we are?

Our European headquarters are located in Geneva, this is also where our R&D, Marketing, Application Support and Product Management functions are located.

FCDE Products are mainly manufactured at locations in Carouge (Geneva - Switzerland) and Gessate (Milan - Italy).

The Parker Sales Companies and comprehensive distribution network support you, wherever you are.

History

Parker FCDE has been a leading player in the manufacturing and development of solenoid valve technologies for over 60 years, with continuous research and development bringing innovative solutions to the marketplace, for example leading the way in the utilisation of synthetic ruby for critical water applications or the unsurpassed reliability and precision of our pressure regulators. The expertise accumulated and developed through the years is evident in the superior quality of FCDE solutions.

Markets

Our products and solutions are typically designed for markets including Industrial Equipment, Industrial Automation, Mobile, Transportation, Life Sciences, Beverage dispensing and for Fluid and Process Control.

Benefits

The modular concept of our products, having separate solenoid valves and electrical parts, provides the customer with increased flexibility by allowing numerous combinations. This additional flexibility can enable distributors to greater reduce valve inventory levels, whilst retaining the same number of capabilities. Parker also has unrivalled experience in developing customised product solutions complying with the highest technical, environmental, energy and service life requirements.

PARKER FCDE - GENEVA - SWITZERLAND

PARKER FCDE - MILAN - ITALY

Table of content

WARNING - USER RESPONSIBILITY
FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

- This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.
- The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.
- To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Product Description

High grade material and corrosion resistant 201, 202, 301LG Valve Series is a complete range of 2 way and 3 way valves, direct acting, normally close and normally open.

This new range of solenoid valves, having AISI316L grade stainless steel body, is the right answer for a wide range of applications in Food & Beverage Industry, Process industry, Wastewater treatment appliances, Marine, high temperature steam applications in aggressive environments or with aggressive media.

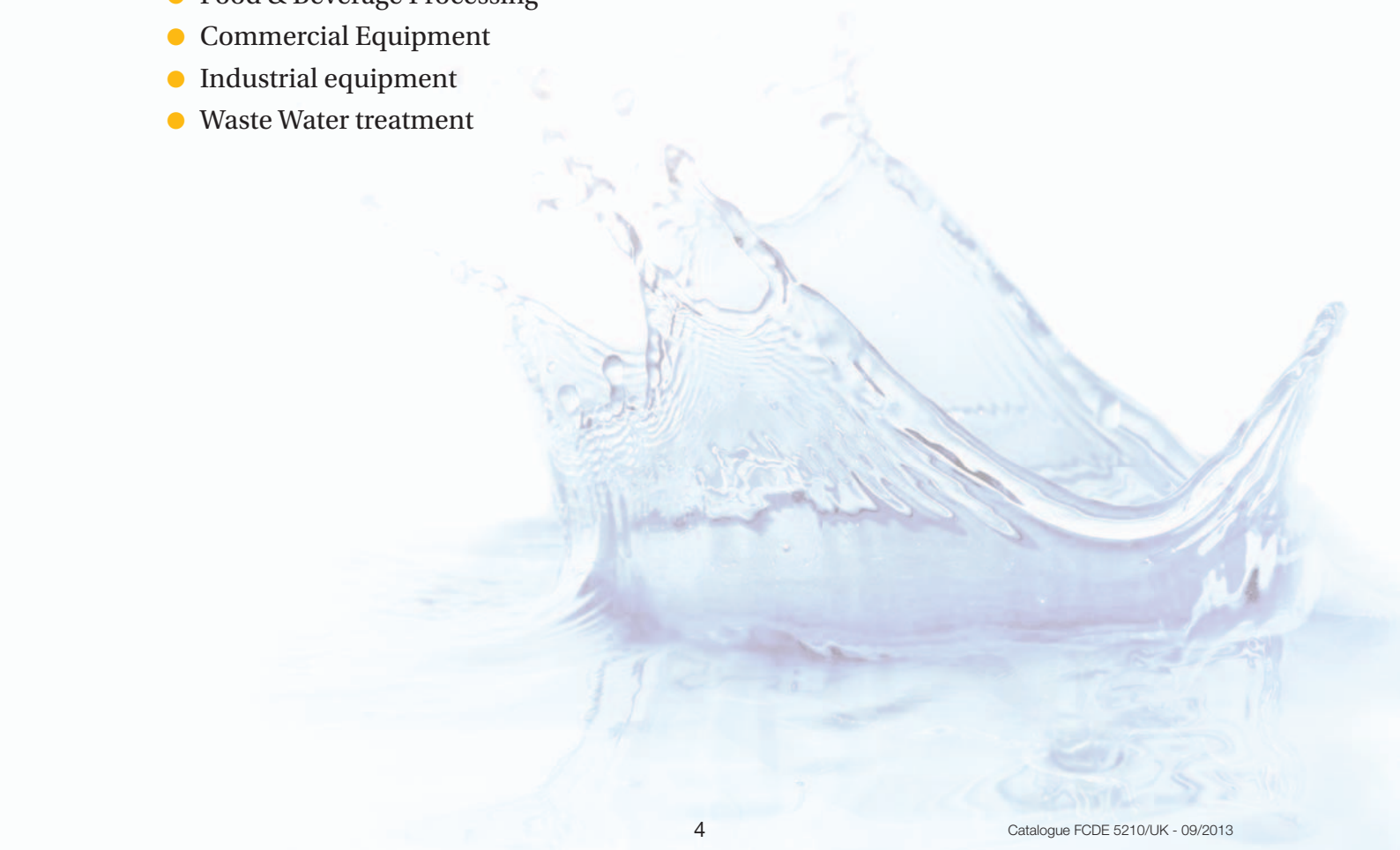
FFKM seals option is available in order to increase mechanical, high temperature and aggressive media resistance for the most specific and demanding fl uid control applications.

Thanks to the modular concept, a wide range of electrical parts can be used including ATEX, IP67, H class, reduced power, UL or VDE approved.

A wide selection of valves is also NSF certified; please consult Parker documentation to find out the NSF certified models. Mechanical ATEX approval is available.

Market of interest

- Life Sciences
- Food & Beverage Processing
- Commercial Equipment
- Industrial equipment
- Waste Water treatment



Applications

201, 202, 301LG Solenoid valve range can be used for a wide range of applications,
please consult also our fluid compatibility chart on page 7.

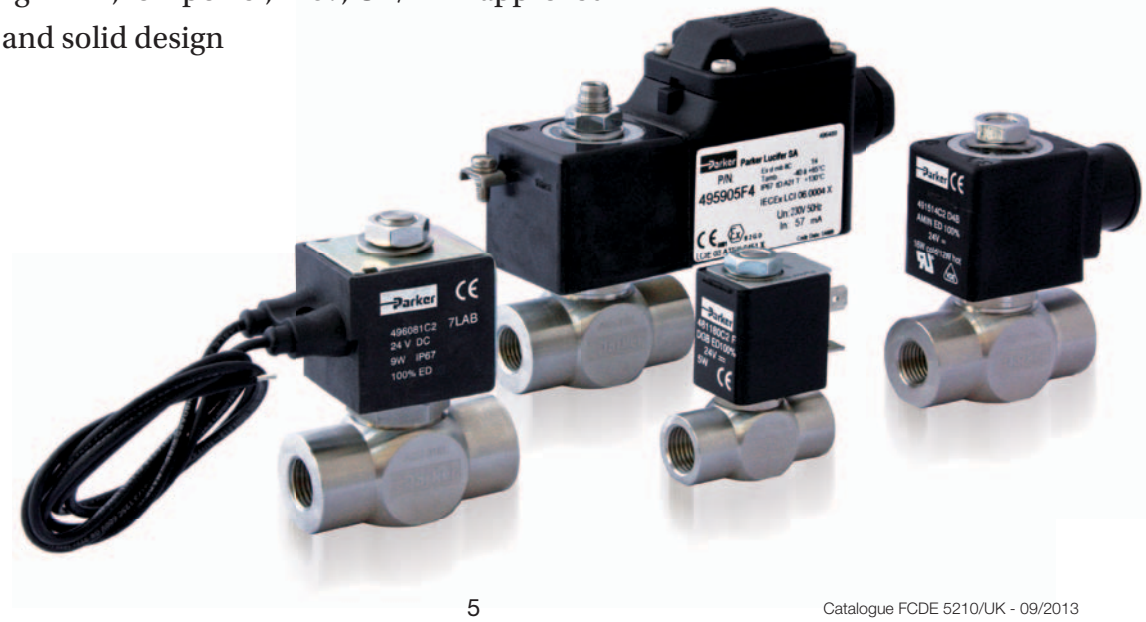
Typical applications can be found in:

- Water purification and preparation devices
- Food & Beverage processing, Healthy Beverage Dispense equipment
- Demineralized water shut off, cooling of medical and surgical devices
- Dishwasher disinfectors, Laboratory and high end hot steam sterilizers
- Aggressive liquids shut-off
- Ammonia (with silver shading ring version)

Benefits

The most valuable features you will find in this product range:

- High grade corrosion resistant valve body, AISI316L
- NSF certified references available,
  please consult Parker documentation in order to find out NSF certified options.
- FFKM seal option for superior endurance in heavy duty conditions
- Modular concept: a wide range of electrical parts can be used with this family,
  including ATEX, low power, IP67, UL/VDE approved
- Robust and solid design



General Description

Material Specifications

Valve Body:
AISI316L Machined Stainless Steel

Pilot tube:
AISI 303 Stainless Steel

Plunger:
AISI 430F Stainless Steel

Spring:
AISI 302 Stainless Steel

Seals:
FKM, FFKM

Nozzle:
AISI316L

Shading ring:
Copper OR Silver,
according to selected version

Installation

The valves can be mounted in any position. It is however recommended to install them with the coil in vertical position above the body.

Media

These valves have been developed to achieve the best performances with a wide range of media.

Please consult fluid compatibility chart on page 9.

Coils

A wide range of coils can be used with this range.

The complete coil range is described in pages 14 to 25.

Please consult also the "How to order" section at page 26 to select the product configuration which fits your application requirements.

Product Range

201, 202, 301LG Valve Series

This catalogue has been designed to make selection as easy as possible. The structure allows you to find your valve step by step, beginning with the most basic features and gradually focusing on more and more precise details.

A wide range of configurations for this solenoid valve family is available: 2/2 and 3/2, port sizes from 1/8" to 1/2" with BSP port threads.

Please consult the following pages 10 to 13 to find out our valves solutions.

In the table here below you might also find an explanation of the general description system for 201LG family range.

Please note:
Available coils are not included in the description system here below which refers to valve only.
Please consult in detail the "how to order" section at page 26.

2	0	1	L	G 4	U	V	G	7	A	
2										Number of Ways: **2, 3**
	0									Design/Style: **0** - Direct operated
		1								Function: **1** - Normally closed, **2** - Normally open
			L							Body Material: **L** = AISI316L machined body
				G 4						Port size: G1-1/8"G, G2-1/4"G, G3-3/8"G, G4-1/2"G
					U					Orifice size: **G**-from 1.42 to 1.6 mm, **J**-from 1.81 mm to 2.0 mm, **L**-from 2.25 mm to 2.51 mm, **N**-from 2.83 to 3.16, **P**-from 3.17 to 3.55, **Q**-from 3.56mm to 4.5mm, **S**-from 4.51 mm to 5.0 mm, **U**-from 5.63 mm to 6.31 mm.
						V				**V**-FKM, **K**-FFKM
							G			Engineering design location: **G**-Gessate
								7		Operator size: **7**-14.5 sleeve diameter, **2**-10.0 mm sleeve diameter
									A	Optional - silver shading ring

Product Identification

Model Stamp and Production Date Stamp

G	46	09	201LG2GVG2
Manufacturing Location: GESSATE	Week	Year	Model

Fluid Compatibility Chart

This table is a guide to select a valve depending the type of fluid:
It indicates the fluid compatibility level (NR = Not recommended - S = Satisfactory - NA = Data not available) for a valve fluid compatibility class A, B, C (Report to product pages column " Fluid Compatibility Class").

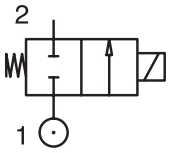
Example:
See page 10, Valve ref. 201LG1GVG2 has a Fluid Compatibility Class A.
Its Fluid compatibility level can be found in the present table under column "Compatibility Class A".
For Acetone Valve ref. 201LG1GVG2 is NR (Not recommended).

This table has to be used as a guide only and the user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met Please consult Parker technical support for further assistance.

Fluid	Temperature	Compatibility Class A	Compatibility Class B	Compatibility Class C
ACETONE	-	NR	NR	S
ACETYLENE, DRY	+20°C	S	S	S
ACID - BORIC	-	NR	NR	NR
ACID - CHROME	-	NR	NR	NR
ACID - CITRIC	<10% +20°C	NR	S	S
ACID - HYDROCHLORIC	-	NR	NR	NR
ACID - LACTIC	+20°C	NA	NA	NA
ACID - PHOSPHORIC	<10% +20°C	NR	NR	NR
ACID - PICRIC	<10% +20°C	NR	NA	NA
ACID - SALICYLIC	<10%	S	S	S
AIR, HOT	+120°C	S	S	S
AIR, UNLUBRICATED	-	S	S	S
ALCOHOL - AMYL ALCOHOL	-	NR	NR	S
ALCOHOL - BUTYL ALCOHOL	-	S	S	S
ALCOHOL - ETHYL ALCOHOL	-	NR	NR	S
ALCOHOL - METHYL ALCOHOL	-	NR	NR	S
ALCOHOL - PROPYL ALCOHOL	-	S	S	S
AMMONIA, GAS (ANHYDROUS)	+60°C	NR	NR	S
ARGON	-	S	S	S
BENZINE (LEADED AND UNLEADED)	-	S	S	S
CHLOROFORM	+20°C	S	S	S
CIDER	-	NR	NR	NR
COFFEE	-	S	S	S
CYCLOHEXANE	-	NR	S	S
ETHYLENE GLYCOL	-	S	S	S
FIRE RESISTANT - NON AQUEOUS HYDRAULIC FLUID	-	NR	S	S
FIRE RESISTANT - OIL IN WATER EMULSIONS	-	NR	S	S
FIRE RESISTANT - WATER IN OIL EMULSIONS	-	NR	S	S
FIRE RESISTANT - WATER - GLYCOL SOLUTIONS	-	S	S	S
FOOD PRODUCTS	-	S	S	S
HELIUM	-	S	S	S
KEROSENE JP-1 TO JP-3	-	S	S	S
LEMON AND ORANGE JUICE	-	S	S	S
MERCURY	-	NR	NR	NR
NAPHTA	-	NR	NR	NR
NITROGEN	-	S	S	S
OIL - ANIMAL OIL	-	S	S	S
OIL - ASTM OIL 1, 2, 3	-	S	S	S
OIL - DIESEL OIL	-	S	S	S
OIL - ESTABLE OIL	-	S	S	S
OIL - EXTRA LIGHT, MEDIUM	-	S	S	S
OIL - FUEL OIL	-	NR	S	S
OIL - GREASING OIL	-	NR	S	S
OIL - HEAVY	-	NR	S	S
OIL - SILICONE OIL	-	S	S	S
OIL - TRANSFORMER OIL	-	NR	S	S
OIL - VEGETABLE OIL	-	NR	S	S
OZONE GAS/LIQUID	-	NA	NA	NA
PERCHLORETHYLENE	+20°C	NR	NR	NR
PHENOL	-	NA	NA	NA
POTASSIUM SULFATE	-	NA	NA	NA
SOAPY WATER	-	NR	S	S
SODIUM HYDROXIDE	-	NR	NR	NA
TOLUENE (TOLUOL)	-	S	S	S
TRICHLORETHYLENE	-	NR	NR	NA
TURPENTINA	-	S	S	S
WATER	-	S	S	S
WATER - DEIONISED/DISTILLED	-	S	S	S
WATER - DEMINERALISED	-	S	S	S
WATER - DRINKABLE	-	S	S	S
WATER - HOT AND STEAM	-	S	S	S
WATER - OXYGENATED (HYDROGEN PEROXIDE)	-	S	S	S
WATER - SEA SALT	-	NA	NA	NA
XYLENE	-	S	S	S

NR = Not recommended - **S** = Satisfactory - **NA** = Data not available
Media at 100% concentration at ambient temperature 25°C, unless differently specified. Please consult Parker technical support for further assistance in case of different temperatures or different fluids.

Valve Range



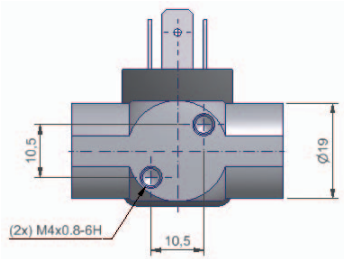
201LG Series - 2 Way Normally Closed

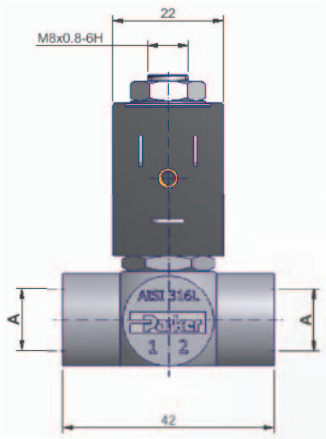
From 201LG1..G2 to 201LG2..G2

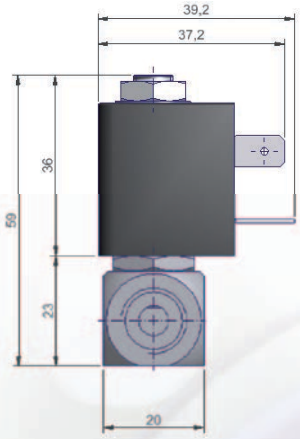
Port Size BSP	Orifice Ø mm	Flow Factors kv l/min	Flow Factors Kv m³/h	Operating Pressure Differential Min. Bar	Operating Pressure Differential Max. (MOPD) AC bar	Operating Pressure Differential Max. (MOPD) DC bar	Fluid Temperature Min. °C	Fluid Temperature Max. °C	Seat Seal	Parker Valves Valve Ref.	Parker Valves Coil Ref.	Power AC W	Power DC W	Coil Group	Fluid Compatibility Class	Drawing N°
1/8"	1.5	1.0	0.06	0	16	7	-10	140	FKM	201LG1GVG2	DF	2	2.5	1.1/1.3	A	1
	1.5	1.0	0.06	0	20	15	-10	140	FKM	201LG1GVG2	DG	4	5	1.1/1.3	A	1
	2.5	2.3	0.14	0	8	3	-10	140	FKM	201LG1LVG2	DF	2	2.5	1.1/1.3	A	1
	2.5	2.3	0.14	0	10	6	-10	140	FKM	201LG1LVG2	DG	4	5	1.1/1.3	A	1
1/4"	1.5	1.0	0.06	0	16	7	-10	140	FKM	201LG2GVG2	DF	2	2.5	1.1/1.3	A	1
	1.5	1.0	0.06	0	20	15	-10	140	FKM	201LG2GVG2	DG	4	5	1.1/1.3	A	1
	2.5	2.3	0.14	0	8	3	-10	140	FKM	201LG2LVG2	DF	2	2.5	1.1/1.3	A	1
	2.5	2.3	0.14	0	10	6	-10	140	FKM	201LG2LVG2	DG	4	5	1.1/1.3	A	1

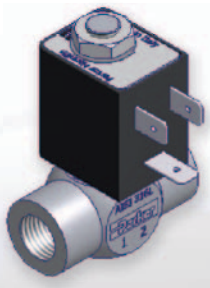
Nominal Pressure = 40 bar

NSF = all the references listed in this chart are NSF certified and use FDA compliant seals materials.







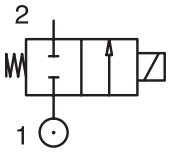


	Port Size A	Orifice mm	kv L/min	MOPD bar	Fluid Temp. °C	Amb. Temp. °C
From	1/8"	1.5	1.0	6	-10	-10
To	1/4"	2.5	2.3	20	140	50

All dimensions are in mm

Dimensional Drawing N°1

Valve Range



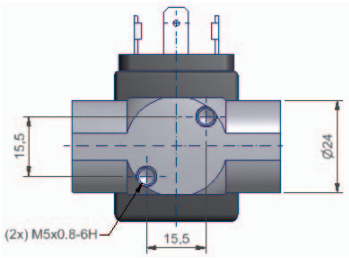
201LG Series - 2 Way Normally Closed

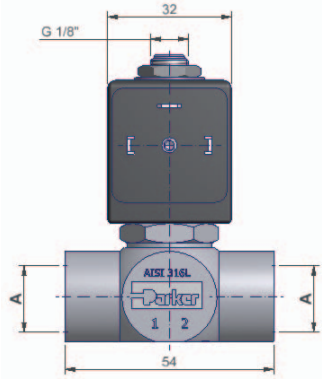
From 201LG1..G7 to 201LG2..G7

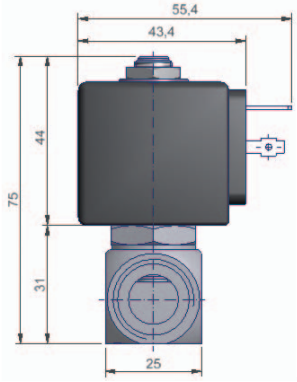
Port Size BSP	Orifice Ø mm	Flow Factors kv l/min	Flow Factors Kv m³/h	Operating Pressure Differential Min. Bar	Max. (MOPD) AC bar	Max. (MOPD) DC bar	Fluid Temperature Min. °C	Fluid Temperature Max. °C	Seat Seal	Parker Valves Valve Ref.	Parker Valves Coil Ref.	Power AC W	Power DC W	Coil Group	Fluid Compatibility Class	Drawing N°
1/4"	1,5	1,0	0,06	0	20	15	-10	140	FKM	201LG2GVG7A	D4	9	8	24/2.0	B	2
	1.5	1.0	0.06	0	20	15	-10	180	FFKM	201LG2GKG7A	D4	9	8	24/2.0	C	2
	3.0	4.5	0.27	0	9	5	-10	140	FKM	201LG2NVG7	D4	9	9	24/2.0	A	2
	3.0	4.5	0.27	0	9	5	-10	140	FKM	201LG2NVG7A	D4	9	9	24/2.0	B	2
	3.0	4.5	0.27	0	20	8	-10	140	FKM	201LG2NVG7	DM	14	14	24/2.0	A	2
	3.0	4.5	0.27	0	20	8	-10	140	FKM	201LG2NVG7A	DM	14	14	24/2.0	B	2
	3.0	4.5	0.27	0	9	5	-10	180	FFKM	201LG2NKG7A	D4	9	8	24/2.0	C	2
	3.0	4.5	0.27	0	20	8	-10	180	FFKM	201LG2NKG7A	DM	14	14	24/2.0	C	2
	4.0	7.0	0.42	0	5	3	-10	140	FKM	201LG2QVG7	D4	9	8	24/2.0	A	2
	4.0	7.0	0.42	0	5	3	-10	140	FKM	201LG2QVG7A	D4	9	8	24/2.0	B	2
	4.0	7.0	0.42	0	10	4	-10	140	FKM	201LG2QVG7	DM	14	14	24/2.0	A	2
	4.0	7.0	0.42	0	10	4	-10	140	FKM	201LG2QVG7A	DM	14	14	24/2.0	B	2
	4.0	7.0	0.42	0	5	3	-10	180	FFKM	201LG2QKG7A	D4	9	8	24/2.0	C	2
	4.0	7.0	0.42	0	10	4	-10	180	FFKM	201LG2QKG7A	DM	14	14	24/2.0	C	2
	5.0	8.0	0.48	0	3	2	-10	140	FKM	201LG2SVG7	D4	9	8	24/2.0	A	2
	5.0	8.0	0.48	0	3	2	-10	140	FKM	201LG2SVG7A	D4	9	8	24/2.0	B	2
	5.0	8.0	0.48	0	8	2.5	-10	140	FKM	201LG2SVG7	DM	14	14	24/2.0	A	2
	5.0	8.0	0.48	0	8	2.5	-10	140	FKM	201LG2SVG7A	DM	14	14	24/2.0	B	2
	5.0	8.0	0.48	0	3	2	-10	180	FFKM	201LG2SKG7A	D4	9	8	24/2.0	C	2
	5.0	8.0	0.48	0	8	2.5	-10	180	FFKM	201LG2SKG7A	DM	14	14	24/2.0	C	2
3/8"	5.0	8.0	0.48	0	3	2	-10	140	FKM	201LG3SVG7	D4	9	8	24/2.0	A	2
	5.0	8.0	0.48	0	3	2	-10	140	FKM	201LG3SVG7A	D4	9	8	24/2.0	B	2
	5.0	8.0	0.48	0	8	2.5	-10	140	FKM	201LG3SVG7	DM	14	14	24/2.0	A	2
	5.0	8.0	0.48	0	8	2.5	-10	140	FKM	201LG3SVG7A	DM	14	14	24/2.0	B	2
	5.0	8.0	0.48	0	3	2	-10	180	FFKM	201LG3SKG7	D4	9	8	24/2.0	C	2
	5.0	8.0	0.48	0	8	2.5	-10	180	FFKM	201LG3SKG7A	DM	14	14	24/2.0	C	2
	6.2	10.0	0.60	0	1.5	0.5	-10	140	FKM	201LG3UVG7	D4	9	8	24/2.0	A	2
	6.2	10.0	0.60	0	1.5	0.5	-10	140	FKM	201LG3UVG7A	D4	9	8	24/2.0	B	2
	6.2	10.0	0.60	0	4.0	1.5	-10	140	FKM	201LG3UVG7	DM	14	14	24/2.0	A	2
	6.2	10.0	0.60	0	4.0	1.5	-10	140	FKM	201LG3UVG7A	DM	14	14	24/2.0	B	2
	6.2	10.0	0.60	0	1.5	0.5	-10	180	FFKM	201LG3UKG7A	D4	9	8	24/2.0	C	2
	6.2	10.0	0.60	0	4.0	1.5	-10	180	FFKM	201LG3UKG7A	DM	14	14	24/2.0	C	2
1/2"	5.0	8.0	0.48	0	3	2	-10	140	FKM	201LG4SVG7	D4	9	8	24/2.0	A	2
	5.0	8.0	0.48	0	3	2	-10	140	FKM	201LG4SVG7A	D4	9	8	24/2.0	B	2
	5.0	8.0	0.48	0	8	2.5	-10	140	FKM	201LG4SVG7	DM	14	14	24/2.0	A	2
	5.0	8.0	0.48	0	8	2.5	-10	140	FKM	201LG4SVG7A	DM	14	14	24/2.0	B	2
	5.0	8.0	0.48	0	3	2	-10	180	FFKM	201LG4SKG7	D4	9	8	24/2.0	C	2
	5.0	8.0	0.48	0	8	2.5	-10	180	FFKM	201LG4SKG7A	DM	14	14	24/2.0	C	2
	6.2	10.0	0.60	0	1.5	0.5	-10	140	FKM	201LG4SVG7	D4	9	8	24/2.0	A	2
	6.2	10.0	0.60	0	1.5	0.5	-10	140	FKM	201LG4UVG7A	D4	9	8	24/2.0	B	2
	6.2	10.0	0.60	0	4.0	1.5	-10	140	FKM	201LG4UVG7	DM	14	14	24/2.0	A	2
	6.2	10.0	0.60	0	4.0	1.5	-10	140	FKM	201LG4UVG7A	DM	14	14	24/2.0	B	2
	6.2	10.0	0.60	0	1.5	0.5	-10	180	FFKM	201LG4UKG7A	D4	9	8	24/2.0	C	2
	6.2	10.0	0.60	0	4.0	1.5	-10	180	FFKM	201LG4UKG7A	DM	14	14	24/2.0	C	2

Nominal Pressure = 40 bar

NSF = all the references listed in this chart are NSF certified and use FDA compliant seals materials.





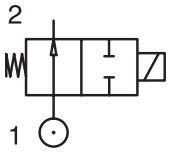


	Port Size A	Orifice mm	kv L/min	MOPD bar	Fluid Temp. °C	Amb. Temp. °C
From	1/4" 3/8" 1/2"	1.5	1	2	-10	-10
To		6.2	10	20	140	50

All dimensions are in mm

Dimensional Drawing N°2

Valve Range



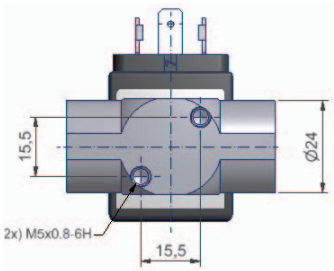
202LG Series - 2 Way Normally Open

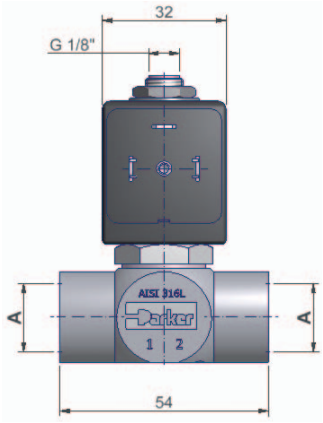
From 202LG2..G7 to 202LG4..G7

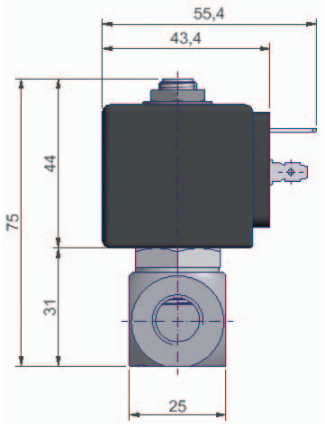
Port Size BSP	Orifice mm	Flow Factors kv l/min	Flow Factors Kv m³/h	Operating Pressure Differential Min. Bar	Operating Pressure Differential Max. (MOPD) AC bar	Operating Pressure Differential Max. (MOPD) DC bar	Fluid Temperature Min. °C	Fluid Temperature Max. °C	Seat Seal	Parker Valves Valve Ref.	Parker Valves Coil Ref.	Power AC W	Power DC W	Coil Group	Fluid Compatibility Class Columm	Drawing N°
1/4"	3.0	4.5	0.27	0	6	6	-10	140	FKM	202LG2NVG7	D5	8	9	24/2.0	A	3
	5.0	8.0	0.48	0	3	3	-10	140	FKM	202LG2SVG7	D5	8	9	24/2.0	A	3
1/2"	5.0	8.0	0.48	0	3	3	-10	140	FKM	202LG4SVG7	D5	8	9	24/2.0	A	3
	6.2	10.0	0.60	0	1	1	-10	140	FKM	202LG4UVG7	D5	8	9	24/2.0	A	3

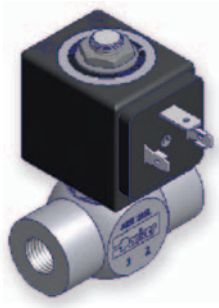
Nominal Pressure = 40 bar

NSF = all the references listed in this chart are NSF certified and use FDA compliant seals materials.







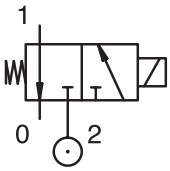


	Port Size A	Orifice mm	kv L/min	MOPD bar	Fluid Temp. °C	Amb. Temp. °C
From	1/4"	3.0	4.5	1	-10	-10
To	1/2"	6.2	10	6	140	50

All dimensions are in mm

Dimensional Drawing N°3

Valve Range



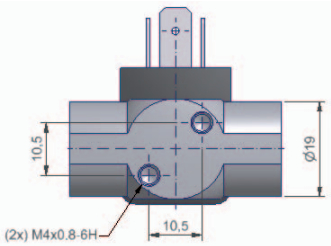
301LG Series - 3 Way Normally Closed

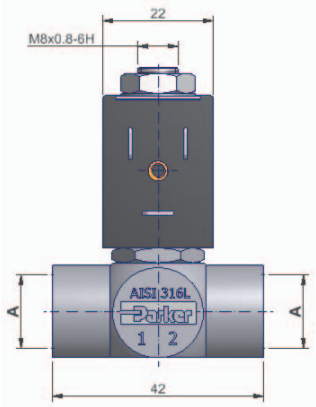
From 301LG1..G2 to 301LG2..G2

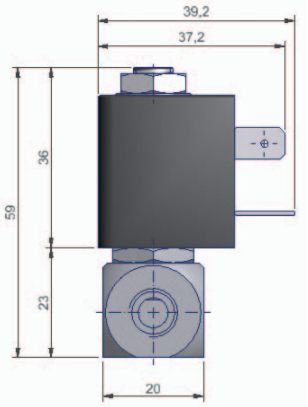
Port Size BSP	Orifice mm	Flow Factors kv l/min	Flow Factors Kv m³/h	Operating Pressure Differential Min. Bar	Operating Pressure Differential Max. (MOPD) AC bar	Operating Pressure Differential Max. (MOPD) DC bar	Fluid Temperature Min. °C	Fluid Temperature Max. °C	Seat Seal	Parker Valves Valve Ref.	Parker Valves Coil Ref.	Power AC W	Power DC W	Coil Group	Fluid Compatibility Class Columm	Drawing N°
1/8"	1.5	1	0.06	0	8	8	-10	140	FKM	301LG1GVG2	DG	4	5	1.1/1.3	A	4
	2.5	2.3	0.14	0	3	3	-10	140	FKM	301LG1LVG2	DG	4	5	1.1/1.3	A	4
1/4"	1.5	1	0.06	0	8	8	-10	140	FKM	301LG2GVG2	DG	4	5	1.1/1.3	A	4
	2.5	2.3	0.14	0	3	3	-10	140	FKM	301LG2LVG2	DG	4	5	1.1/1.3	A	4
	1.5	1	0.06	0	12	12	-10	140	FKM	301LG2GVG7	D5	8	9	24/2.0	A	5
	3.0	4.5	0.27	0	4	4	-10	140	FKM	301LG2NVG7	D5	8	9	24/2.0	A	5

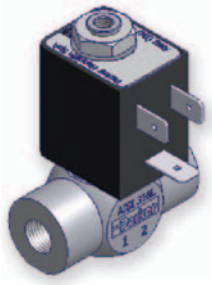
Nominal Pressure = 40 bar

NSF = all the references listed in this chart are NSF certified and use FDA compliant seals materials.





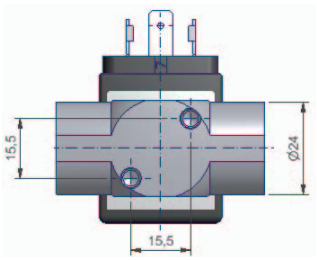


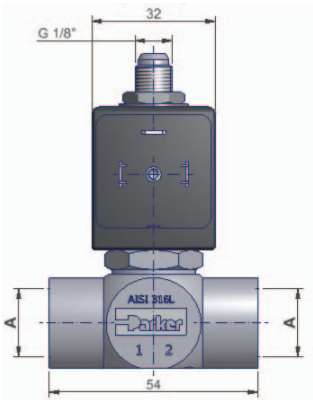


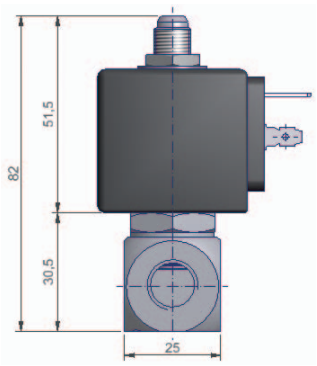
	Port Size A	Orifice mm	kv L/min	MOPD bar	Fluid Temp. °C	Amb. Temp. °C
From	1/8"	1.5	1.0	3	-10	-10
To	1/4"	2.5	2.3	8	140	50

All dimensions are in mm

Dimensional Drawing N°4







	Port Size A	Orifice mm	kv L/min	MOPD bar	Fluid Temp. °C	Amb. Temp. °C
From	1/4"	1.5	1	4	-10	-10
To		3.0	4.5	12	140	50

All dimensions are in mm

Dimensional Drawing N°5

Coil Range

COIL GROUP

24.0

COILS FOR DIN PLUG CONNECTION

D5 COIL SERIES 32 mm

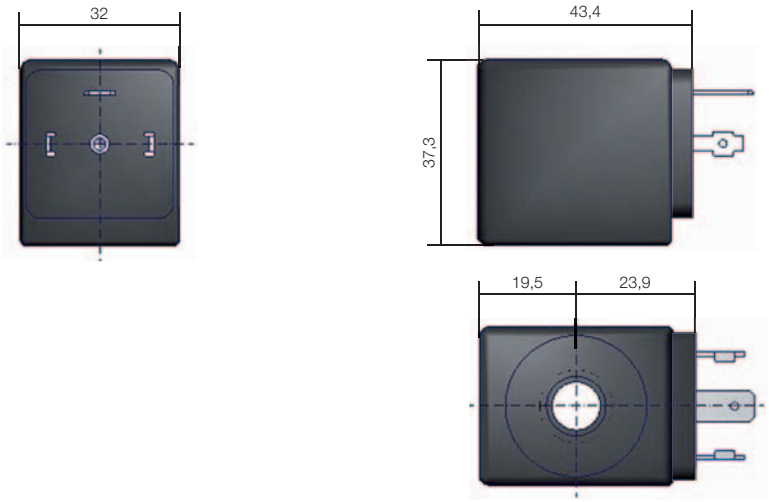
Encapsulated in synthetic material, Connector for 2P+E according with DIN EN 175301-803, Form A, IP65 degree of protection to be considered with connector plug only.

This coil conforms to the IEC/CENELEC safety standards and complies with 2006/95/EC European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).

Specification			Mono Frequency Coil			
Reference (without DIN plug)			D5 Series			
Coil group			24.0			
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	-			
	AC	P (cold) 20°C	8 W			
		Attraction cold	40 VA			
Weight			130 g			
Voltages "Un"			VAC/Hz	Code	VDC	Code
-10% to +10% of Un for AC			24/50 110/50 220-230/50 24/60 230/60 115/60	H XA5 L E XJ3 XK8	12 24	A B

To Order a Coil: Use coil Reference D5 and add Voltage Code **- Code Example:** D5 for 24 VAC/60 Hz = **D5E**



All dimensions are in mm

Coil Range

COIL GROUP

24.0

COILS FOR DIN PLUG CONNECTION

XS03 COIL SERIES 32 mm

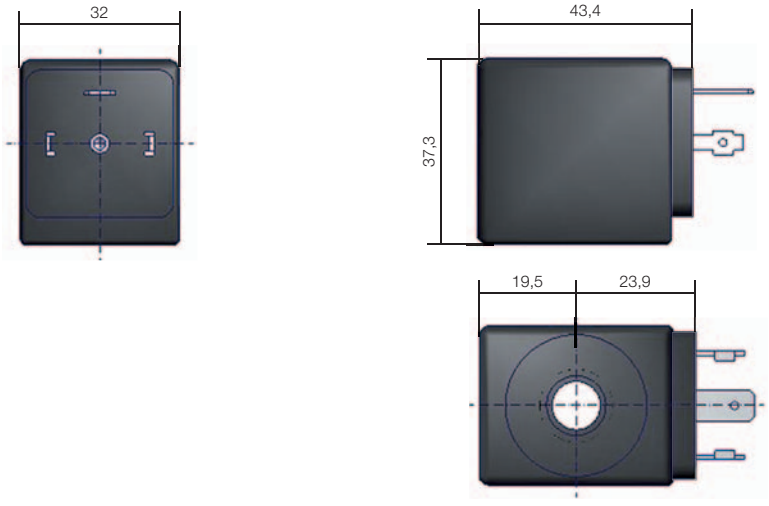
Encapsulated in synthetic material, Connector for 2P+E according with DIN EN 175301-803, Form A, IP65 degree of protection to be considered with connector plug only.

This coil conforms to the IEC/CENELEC safety standards and complies with 2006/95/EC European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).

Specification			Bi- Frequency Coil	
Reference (without DIN plug)			XS03 Series	
Coil group			24.0	
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)	-	
		P (cold) 20°C	-	
	AC	**Pn** (holding)	9 W	
		Attraction cold	32 VA	
Weight			130 g	
Voltages "Un"			VAC/Hz	Code
-10% to +10% of Un for AC			24/50 - 24/60 110-115/50 - 120/60 220-240/50 - 240/60	M XS5 XS6

To Order a Coil: Use Coil reference XS03 and add Voltage Code **- Code Example:** XS03 for 24/50-24/60 = **XS03M**



All dimensions are in mm

Coil Range

COIL GROUP

24.0

COILS FOR
DIN PLUG CONNECTION

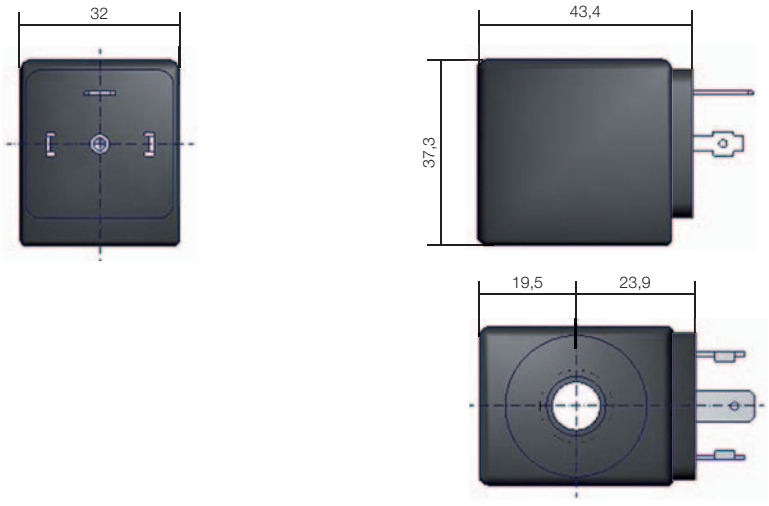
D4 SERIES - UL COILS 32 mm

This coil is UL-approved as a recognized component for the insulation Class 155, conforms to the IEC/CENELEC safety standards and complies with 2006/95/EC European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).

Specification			UL Recognized Coil			
Reference (without DIN plug)			D4 Series			
Coil group			24.0			
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)	16 W			
		P (cold) 20°C	-			
	AC	Pn (holding)	13 W			
		Attraction cold	40 VA			
Weight			130 g			
Voltages "Un"			VAC/Hz	Code	VDC	Code
-10% to +10% of Un for AC			24/60 110/50 - 120/60 220/50 - 240/60	E F G	24	B

To Order a Coil: Use coil reference D4 and add Voltage Code **- Code Example:** D4 for 24VAC/60Hz = **D4E**



All dimensions are in mm

Coil Range

COIL GROUP

24.0

COILS WITH
FLYING LEADS

LA COIL SERIES 32 mm IP67

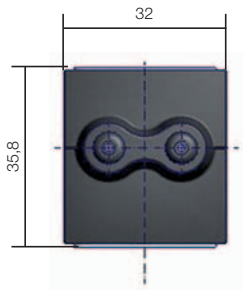
Encapsulated in synthetic material. Degree of protection IP67 according IEC/EN60529.

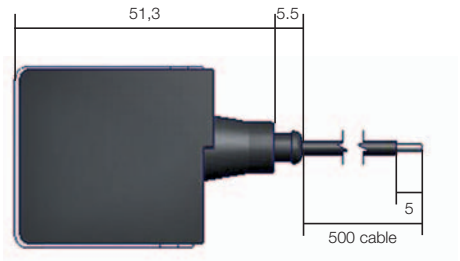
Connection: 2 x 500 mm cables.

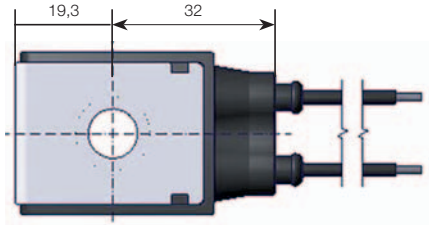
This coil conforms to the IEC/CENELEC safety standards and complies with 2006/95/EC European low-voltage directive.

Specification			Coil with two 500 mm flying leads			
Reference			LA Series			
Coil group			24.0			
Degree of protection			**IP67** according to IEC / EN 60529 standards			
Class of insulation			F 155°C			
Ambient temperature			-10°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	-			
	AC	**Pn** (holding)	9 W			
		Attraction cold	32 VA			
Weight			180 g			
Voltages "Un"			**VAC/Hz**	**Code**	**VDC**	**Code**
-10% to +10% of Un for AC			24/50 - 24/60 110-115/50 - 120/60 220-240/50 - 240/60	M XS5 XS6	24	B

To Order a Coil: Use coil reference LA and add Voltage Code **- Code Example:** LA Series for 24 VDC **= LAB**







All dimensions are in mm

Coil Range

COIL GROUP

24.0

COILS WITH FLYING LEADS

LB-LC COIL SERIES 32 mm UL IP67

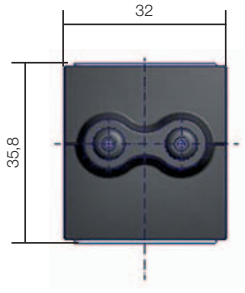
Encapsulated in synthetic material. Degree of protection IP67 according IEC/EN60529.

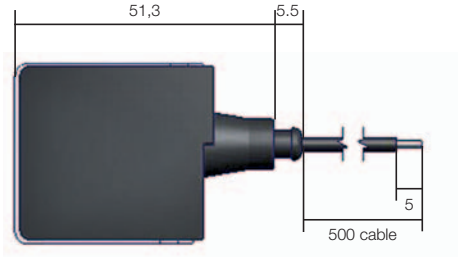
Connection: 2 x 500mm cables.

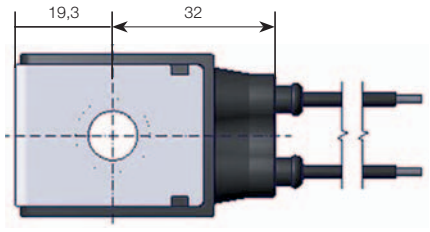
This coil is UL-approved as a recognized component for the insulation Class 155, conforms to the IEC/CENELEC safety standards and complies with 2006/95/EC European low-voltage directive.

Specification			UL Coil with two 500 mm flying leads			
Reference			LB Series (VAC)		LC Series (VDC)	
Coil group			24.0			
Degree of protection			**IP67** according to IEC / EN 60529 standards			
Class of insulation			F 155°C			
Ambient temperature			-10°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	**Pn** (hot)	16 W			
		P (cold) 20°C	-			
	AC	**Pn** (holding)	13-14 W			
		Attraction cold	40 VA			
Weight			180 g			
Voltages "Un"			**VAC/Hz**	**Code**	**VDC**	**Code**
-10% to +10% of Un for AC			24/60 110/50 - 120/60 208-240/60 220/50 240/60	E F XU3 G	24	B

To Order a Coil: Use coil reference LB-LC and add Voltage Code. **- Code Example:** LB-LC for 24 VDC **= LCB**
More voltage possibilities can be found in the table of voltage codes at the end of the coil section.







All dimensions are in mm

Coil Range

COIL GROUP

24.0

COILS FOR DIN PLUG CONNECTION

HIGH TEMPERATURE COILS 32 mm

These coils can be mounted with any Parker solenoid valves whereas specified Coil Group is indicated.

See column "Coil Group" within valve pages.

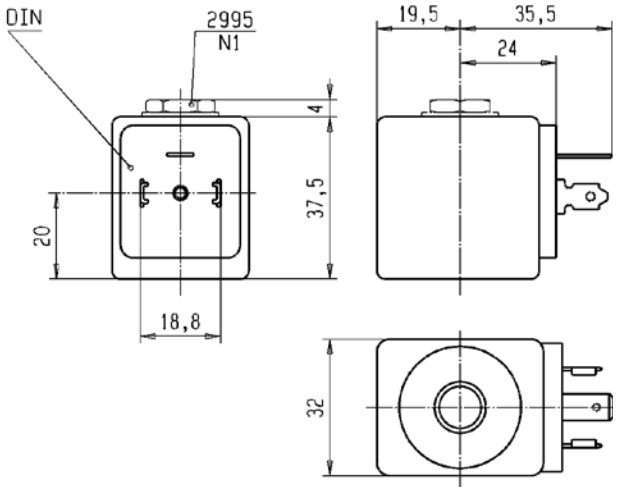
The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

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 2006/95/EC European low-voltage directive.

Specification			High temp. + high power			
Ref. (without DIN plug)			DM			
Coil Group			24			
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug).			
Class of insulation			H 180°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)	14 W			
		P (cold) 20°C	21 W			
	AC	**Pn** (holding)	14 W			
		Attraction cold	55 VA (18 W)			
Weight			130 g (without plug)			
Voltages "Un"			**VAC/Hz**	**Code**	**VDC**	**Code**
-10% to +10% of the Un			24/50 110/50 230/50	H J K	24	B

To Order a Coil : Use coil reference DM and add Voltage Code., example: **DM** for **24VDC= DMB**



All dimensions are in mm

Coil Range

COIL GROUP
1.1

COILS FOR DIN PLUG CONNECTION

COILS 22 mm

These coils can be mounted with any 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.

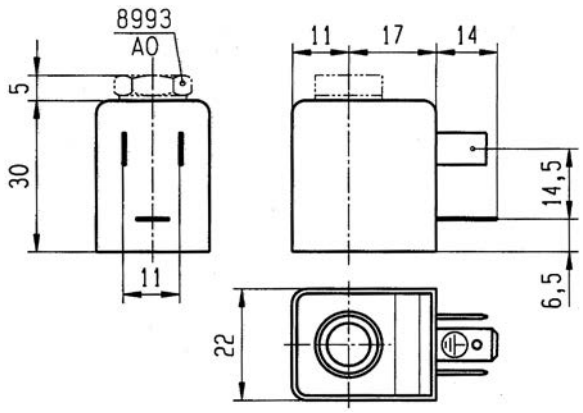
The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc.

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 2006/95/EC European low-voltage directive.

Specification			Low power				High power			
Ref. (without DIN plug)			**DF**				**DG**			
Coil Group			**1.1**							
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 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)	2.5 W				5 W			
		P (cold) 20°C	3 W				6.5 W			
	AC	**Pn** (holding)	2 W				4 W			
		Attraction cold	5.7 VA (2.5 W)				8.9 VA (5 W)			
Weight			100 g with DIN Plug							
Voltages "Un"			**VAC/Hz**	**Code**	**VDC**	**Code**	**VAC/Hz**	**Code**	**VDC**	**Code**
-10% to +10% of the Un			24/50 220-230/50 110/50-115/50	H L J	24	B	24/50 110/50-115/50 220/50-230/50	H J L	24	B

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



All dimensions are in mm

Coil Range

COIL GROUP
1.3

COILS FOR DIN PLUG CONNECTION

WB COIL SERIES 22 MM

These coils can be mounted with any Parker solenoid valves whereas the specified Coil Group is indicated. See column "Coil Group" within valve pages.

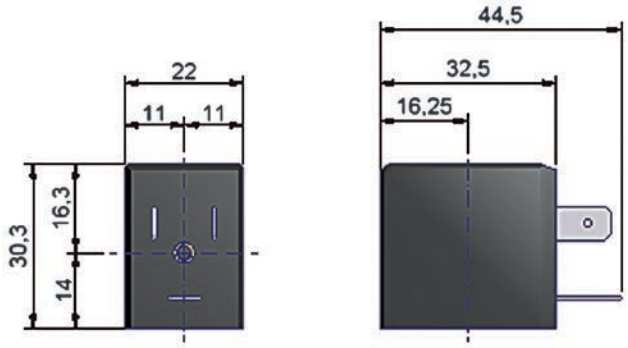
These coils can be mounted with the majority of type 2 operators. IP65 protection rate with DIN 43650A three pin connector and appropriate gasket.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Coils conforms to the IEC/CENELEC safety standards and complies with 2006/95/EC European low-voltage directive. For UL recognized version: UL file MH19410.

DIN plug connector to be ordered separately (see coil accessories section).

Specification			Standard	UL recognized version	High Power
Ref. (without DIN plug)			**WB4.5 for AC WB5.0 for DC**	**WB4.5 UR WB5.0 cURus (only 24VDC)**	**WB8.0**
Coil Group			**1.3**		
Degree of protection			**IP65** according to IEC / EN 60529 standards (with DIN plug + gasket)		
Class of insulation			F 155°C	F 155°C	F 155°C
Electrical connection			The coil is connected with a 2 P + E plug according to EN 175301-803 type B.		
Ambient temperature			-10°C to +50°C The application is limited also by the temperature range of the valve.	-10°C to +50°C	-10°C to +50°C
Elect. Power	**DC**	**P** (cold) 20°C	5 W	-	-
	AC	**Pn** (holding)	4.5 W	4.5 W	8 W
		Attraction cold	7.5 VA	7.5 VA	11 VA
Weight			90 g (without plug)		
Voltages "Un" -10% to +10% of Un for AC - 5% to +10% for Un DC			**WB4.5 VAC/Hz**	**WB4.5 UR VAC/Hz**	**WB8.0 VAC/Hz**
			100/50-60 115/50-60 230/50-60 110/50	115/60 208-240/60 24/60	115/50-60 230/50-60 24/50-60
			WB5.0 VDC	**WB5.0 cURus VDC**	
			110 VDC 12 VDC	24 VDC	

To Order a Coil choose coil ref. and Voltager **- Code Example:** WB8.0 for 115/50-60 = **WB8.0 115/50-60.**



All dimensions are in mm

Coil Range

COIL GROUP
2.0/2.2

NON ENCAPSULATED
ELECTRICAL PARTS "**nc AC**"

ZONE 2/22

ELECTRICAL PART 32 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.

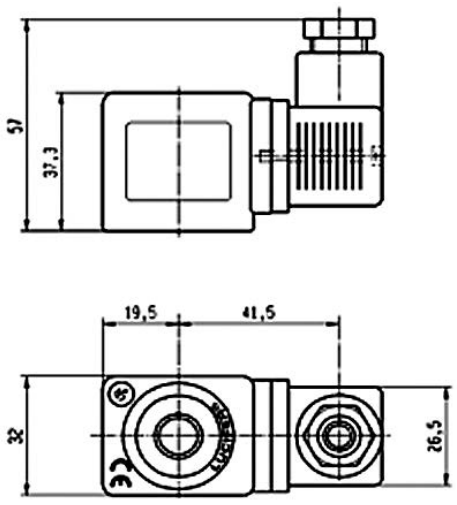
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex nc AC IIC T3 to T6 is required.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc. Coils conforms to the IEC/CENELEC safety standards and complies with 2006/95/EC European low-voltage directive.

Small size for ease of mounting in confined spaces.

Specification			32 mm Coil "nc AC"			
Reference			495880			
Certificate			LCIE 05 ATEX 6003X			
Coil Group			2.0 / 2.2			
Type of protection		Gas	II 3 G - Ex nc AC IIC T3 65°C			
		Dust	II 3D - Ex tc IIIC - T195°C			
Degree of protection			**IP65** (with plug) according to IEC/EN 60529			
Insulation Class			H 180°C			
Duty cycle			100%			
Ambiant temperature			-40°C to +50°C The application is limited also by the temperature range of the valve.			
Elect. Power	DC	**Pn** (hot)	14 W			
		P (cold) 20°C	-			
	AC	**Pn** (holding)	14 W			
		Attraction cold	-			
Weight			180 g			
Voltages "Un"			VAC/Hz	Code	VDC	Code
-10% to +10% of the Un			24/50 110/50 230/50	A2 A5 F4	24	C2

To Order a Coil choose Coil Ref + Voltage Code, example: **495880** for **24VDC** = **495880C2**



All dimensions are in mm

Coil Range

COIL GROUP
1.1

ENCAPSULATED
ELECTRICAL PARTS
"mb"

ZONE 1/21

ELECTRICAL PART LOW POWER 22 mm

These coils 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 mb II T4 or T5 is required.

Benefits:

Coil and magnetic circuit encapsulated in synthetic material - offering shock and corrosion protection. AC coils with integrated thermal fuse. Small size for ease of mounting in confined spaces.

Reference			482605				482606 or 482606.160*			
Certificate			LCIE 02 ATEX 6014 X - IECEx LCI 07.0026 X							
Coil Group			1.1							
Type of protection		Gas	II 2 G - Ex mb II T4				II 2 G - Ex mb II T4		II 2 G - Ex mb II T5	
		Dust	II 2 D - Ex tb IIIC - T130°C				II 2 D - Ex tb IIIC - T130°C		II 2 D - Ex tb IIIC - T 95°C	
Degree of protection			**IP65** (with plug) according to IEC/EN 60529							
Ambiant temperature			-40°C to +50°C The application is limited also by the temperature range of the valve.				-40°C to +65°C		-40°C to +40°C	
Insulation Class			F 155°C							
Electrical connection			Cable connection (3 x 0.75 mm²) encapsulated with coil, cable material according to application							
Elect. Power	DC	**Pn** (hot)	5 W				2.5 W			
		P (cold) 20°C	6.5 W				3 W			
	AC	**Pn** (holding)	4 W				2 W			
		Attraction cold	8.9 VA (5 W)				5.7 VA (2.5 W)			
Weight			150 g							
Voltages "Un"			VAC/Hz	Code	VDC	Code	VAC/Hz	Code	VDC	Code
-10% to +10% of the Un			24/50 110/50-115/50 220/50-230/50	A2 0A 3D	24 110	C2 C5	24/50 48/50 110/50-115/50 220/50-230/50	A2 A4 0A 3D	24 48 110	C2 C4 C5

To Order a Coil choose Coil Ref + Voltage Code, example: **482605** for **24VDC** = **482605C2**

* 482606.160 - 6 m cable length

Fuses:

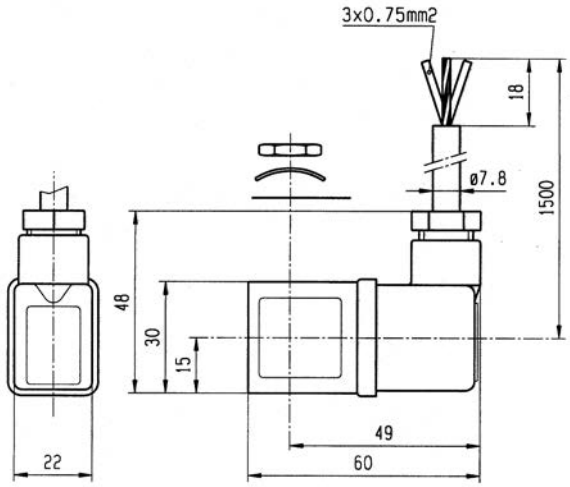
Both electrical parts 482605 & 482606 have to be connected in series with a safety fuse according to CEI 60127-3. Indicating example bellow:

482605:

DC: 12 V, 1000 mA - 24 V, 500 mA - 48 V, 200 mA - 110 V, 100 mA
AC 50 HZ: 24 V, 500 mA - 48 V, 250 mA - 110/115 V, 100 mA - 220/230 V, 3 mA
AC 60 Hz: 24 V, 630 mA - 110/115 V, 125 mA - 220/230 V, 63 mA

482606:

DC: 12 V, 400 mA - 24 V, 200 mA - 48 V, 100 mA - 110 V, 50 mA
AC 50 HZ: 24 V, 250 mA - 48 V, 125 mA - 110/115 V, 63 mA - 220/230 V, 32 mA
AC 60 Hz: 24 V, 315 mA - 110/115 V, 63 mA - 220/230 V, 32 mA



All dimensions are in mm

Coil Range

COIL GROUP
2.0/2.1

ENCAPSULATED
ELECTRICAL PARTS "**mb**"

ZONE 1/21

ELECTRICAL PART 32 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 mb II T4 is required.

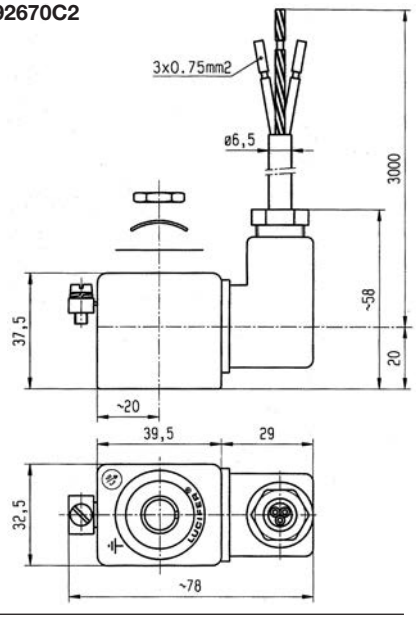
Benefits: Coil and magnetic circuit encapsulated in synthetic material offering shock and corrosion protection. AC/DC coils with integrated thermal fuse. DC coils with integrated surge suppression diode.

Small size for ease of mounting in confined spaces.

Reference			**492670 or 492670.10* or 492670.160****			
Certificate			**LCIE 02 ATEX 6015 X**			
Coil Group			**2.0 / 2.1**			
Type of protection		**Gas**	II 2 G - Ex mb II C T4			
		Dust	II 2 D - Ex tb IIIC - T130°C			
Degree of protection			**IP65** (With DIN Plug connector) acc. to IEC 60529			
Ambiant temperature			-40°C to +40°C The application is limited also by the temperature range of the valve.			
Class of insulation			F 155°C			
Electrical connection			Cable connection (3 x 0.75 mm²) encapsulated with coil, cable material according to application			
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			320 g			
Voltages "Un"			**VAC/Hz**	**Code**	**VDC**	**Code**
-10% to +10% of the Un			48/50 230/50	A4 F4	24 48 110	C2 C4 C5

To Order a Coil choose Coil Ref + Voltage Code, example: **492670** for **24VDC** = **492670C2**

* 492670.10 for stainless steel application - 3 m cable length
** 492670.160 - 6 m cable length



Special conditions:

The supply connection lines have to be fixed and positioned in such a way that they are protected against mechanical damages.

It is necessary to use a safety fuse with a nominal current corresponding to the coil current (max. 3 x nominal according to IEC 60127 and IEC 60269) against short-circuits.

Recommended values:

DC: 12 V, 1250 mA - 24 V, 630 mA - 48 V, 315 mA - 110 V, 125 mA
AC 50 HZ: 24 V, 1000 mA - 48 V, 500 mA - 110 V, 250 mA - 230 V, 100 mA
AC 60 Hz: 240 V, 100 mA

All dimensions are in mm

Coil Range

COIL GROUP
2.0/2.1

FLAME PROOF
ENCAPSULATED
ELECTRICAL PARTS
"db mb"

ZONE 1/21

495905 - ELECTRICAL PARTS 37 mm IP 67

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

See column "Coil Group" within valve pages.

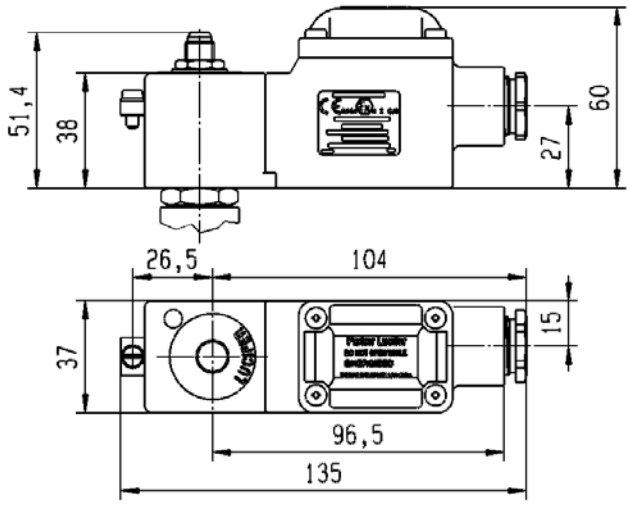
Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex db mb IIC T4 is required.

Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

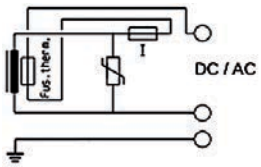
The plastic housing is delivered with M20 x 1.5 cable gland certified for use "db" protection. Small size for ease of mounting in confined space.

Reference			495905	495905.05
Certificate			LCIE 03 ATEX 6451 X - IECEx LCI 06.0004 X	
Coil Group			2.0 / 2.1	
Type of protection		Gas	II 2 G - Ex db mb IIC T4	
		Dust	II 2 D - Ex tb IIIC -130°C	
Degree of protection			IP67	
Ambient temperature			-40°C to +65°C The application is limited also by the temperature range of the valve.	
Class of insulation			H (180 °)	
Electrical connection			Electric connection is done in the connection box on an easily accessible connector terminals. The introduction of the cable (Ø min 5 mm, Ømax. 11 mm, section max. 2.5 mm²) in the connection box passes by the built in M20 x 1.5 cable gland.	
Elect. Power	DC	Pn (hot)	8 W	
		P (cold) 20°C	9 W	
	AC	Pn (holding)	8 W	
		Attraction cold	9 W	
Voltages "Un"			VAC/Hz	Code
-10% to +10% of Un for AC -10% to +10% for Un DC.			24/50 48/50 115/50 230/50	A2 A4 E5 F4
			VDC	Code
			24 48 110	C2 C4 C5

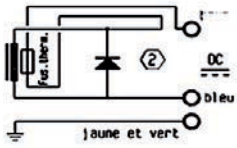
To Order a Coil choose Coil Ref + Voltage Code, example: **495905** for **24VDC** = **495905C2**



495905



***495905.05**

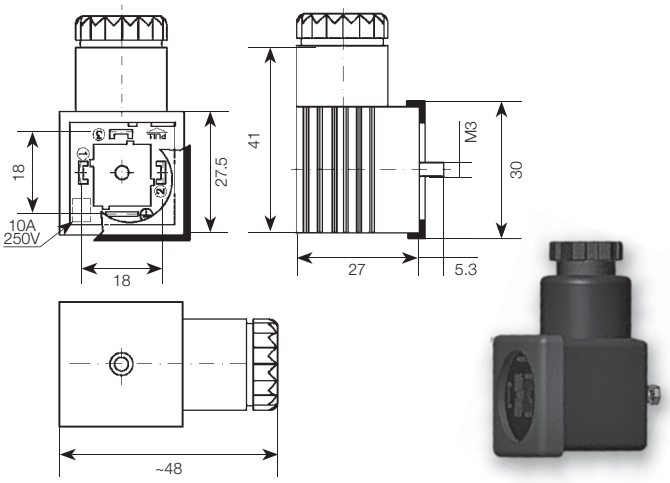


All dimensions are in mm

Connectors

2P+E DIN 43650A Plug

Max A	Cable Section	Nominal Voltage	Reference	Dimensional Drawing
16 A	6-10 mm²	250-/300 V =	**600003PLUG**	6

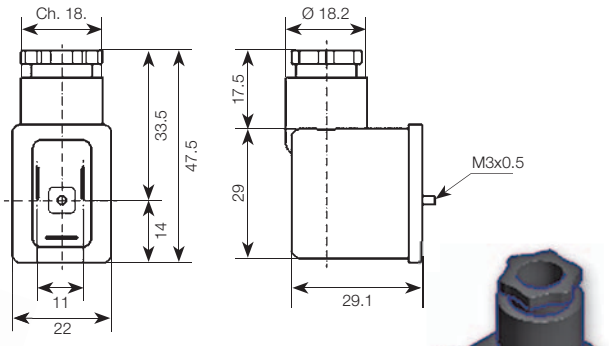


All dimensions are in mm

Dimensional Drawing N° 6

2P+E DIN 43650B Plug

Max A	Cable Section	Nominal Voltage	Reference	Dimensional Drawing
16 A	6-8 mm²	250-/300 V =	**600040**	7



Dimensional Drawing N° 7

How to Order

A complete solenoid valve is composed by 2 elements: the **valve body** and the **coil**. 201LG Series pressure vessel is supplied with the standard housing integrated. Standard housing is composed by washer, nut and nameplate.

Step 1

Select the valve body reference needed in pages 10 to 13.
Example: **301LG2NVG7**

Step 2

Select coil + voltage code in pages 14-25.
Example: **D5C**

Step 3

Define the complete assembly numbering system.
Example: **301LG2NVG7D5C**

Step 4

Select accessories in page 26.
Example: **600003PLUG**

Ordering a product or a configuration not listed in the catalogue. When an application requires a combination of features not listed in the catalogue, use the significant description system indicated at page 09 to specify the exact valve needed.
Parker FCDE personnel will assist in determining the applicability, availability and price of the new product.

Parker's Motion & Control Technologies

At Parker, we're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker. For further info call 00800 27 27 5374

Aerospace

Key Markets

Aftermarket services
Commercial transports
Engines
General & business aviation
Helicopters
Launch vehicles
Military aircraft
Missiles
Power generation
Regional transports
Unmanned aerial vehicles

Key Products

Control systems & actuation products
Engine systems & components
Fluid conveyance systems & components
Fluid metering, delivery & atomization devices
Fuel systems & components
Fuel tank inerting systems
Hydraulic systems & components
Thermal management
Wheels & brakes

Climate Control

Key Markets

Agriculture
Air conditioning
Construction Machinery
Food & beverage
Industrial machinery
Life sciences
Oil & gas
Precision cooling
Process
Refrigeration
Transportation

Key Products

Accumulators
Advanced actuators
CO_2 controls
Electronic controllers
Filter driers
Hand shut-off valves
Heat exchangers
Hose & fittings
Pressure regulating valves
Refrigerant distributors
Safety relief valves
Smart pumps
Solenoid valves
Thermostatic expansion valves

Electromechanical

Key Markets

Aerospace
Factory automation
Life science & medical
Machine tools
Packaging machinery
Paper machinery
Plastics machinery & converting
Primary metals
Semiconductor & electronics
Textile
Wire & cable

Key Products

AC/DC drives & systems
Electric actuators, gantry robots & slides
Electrohydrostatic actuation systems
Electromechanical actuation systems
Human machine interface
Linear motors
Stepper motors, servo motors, drives & controls
Structural extrusions

Filtration

Key Markets

Aerospace
Food & beverage
Industrial plant & equipment
Life sciences
Marine
Mobile equipment
Oil & gas
Power generation & renewable energy
Process
Transportation
Water Purification

Key Products

Analytical gas generators
Compressed air filters & dryers
Engine air, coolant, fuel & oil filtration systems
Fluid condition monitoring systems
Hydraulic & lubrication filters
Hydrogen, nitrogen & zero air generators
Instrumentation filters
Membrane & fiber filters
Microfiltration
Sterile air filtration
Water desalination & purification filters & system

Fluid & Gas Handling

Key Markets

Aerial lift
Agriculture
Bulk chemical handling
Construction machinery
Food & beverage
Fuel & gas delivery
Industrial machinery
Life sciences
Marine
Mining
Mobile
Oil & gas
Renewable energy
Transportation

Key Products

Check valves
Connectors for low pressure fluid conveyance
Deep sea umbilicals
Diagnostic equipment
Hose couplings
Industrial hose
Mooring systems & power cables
PTFE hose & tubing
Quick couplings
Rubber & thermoplastic hose
Tube fittings & adapters
Tubing & plastic fittings

Hydraulics

Key Markets

Aerial lift
Agriculture
Alternative energy
Construction machinery
Forestry
Industrial machinery
Machine tools
Marine
Material handling
Mining
Oil & gas
Power generation
Refuse vehicles
Renewable energy
Truck hydraulics
Turf equipment

Key Products

Accumulators
Cartridge valves
Electrohydraulic actuators
Human machine interfaces
Hybrid drives
Hydraulic cylinders
Hydraulic motors & pumps
Hydraulic systems
Hydraulic valves & controls
Hydrostatic steering
Integrated hydraulic circuits
Power take-offs
Power units
Rotary actuators
Sensors

Pneumatics

Key Markets

Aerospace
Conveyor & material handling
Factory automation
Life science & medical
Machine tools
Packaging machinery
Transportation & automotive

Key Products

Air preparation
Brass fittings & valves
Manifolds
Pneumatic accessories
Pneumatic actuators & grippers
Pneumatic valves & controls
Quick disconnects
Rotary actuators
Rubber & thermoplastic hose & couplings
Structural extrusions
Thermoplastic tubing & fittings
Vacuum generators, cups & sensors

Process Control

Key Markets

Alternative fuels
Biopharmaceuticals
Chemical & refining
Food & beverage
Marine & shipbuilding
Medical & dental
Microelectronics
Nuclear Power
Offshore oil exploration
Oil & gas
Pharmaceuticals
Power generation
Pulp & paper
Steel
Water/wastewater

Key Products

Analytical Instruments
Analytical sample conditioning products & systems
Chemical injection fittings & valves
Fluoropolymer chemical delivery fittings, valves & pumps
High purity gas delivery fittings, valves, regulators & digital flow controllers
Industrial mass flow meters/ controllers
Permanent no-weld tube fittings
Precision industrial regulators & flow controllers
Process control double block & bleeds
Process control fittings, valves, regulators & manifold valves

Sealing & Shielding

Key Markets

Aerospace
Chemical processing
Consumer
Fluid power
General industrial
Information technology
Life sciences
Microelectronics
Military
Oil & gas
Power generation
Renewable energy
Telecommunications
Transportation

Key Products

Dynamic seals
Elastomeric o-rings
Electro-medical instrument design & assembly
EMI shielding
Extruded & precision-cut, fabricated elastomeric seals
High temperature metal seals
Homogeneous & inserted elastomeric shapes
Medical device fabrication & assembly
Metal & plastic retained composite seals
Shielded optical windows
Silicone tubing & extrusions
Thermal management
Vibration dampening

ENGINEERING YOUR SUCCESS.

Parker Worldwide

Europe, Middle East, Africa

AE - United Arab Emirates, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AT - Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT - Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ - Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU - Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BG - Bulgaria, Sofia
Tel: +359 2 980 1344
parker.bulgaria@parker.com

BY - Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CH - Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ - Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE - Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK - Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES - Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI - Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR - France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR - Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU - Hungary, Budaörs
Tel: +36 23 885 470
parker.hungary@parker.com

IE - Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT - Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ - Kazakhstan, Almaty
Tel: +7 7273 561 000
parker.easteurope@parker.com

NL - The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO - Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL - Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT - Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO - Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU - Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE - Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK - Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL - Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR - Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA - Ukraine, Kiev
Tel +380 44 494 2731
parker.ukraine@parker.com

UK - United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA - South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA - Canada, Milton, Ontario
Tel: +1 905 693 3000

US - USA, Cleveland
Tel: +1 216 896 3000

Asia Pacific

AU - Australia, Castle Hill
Tel: +61 (0)2-9634 7777

CN - China, Shanghai
Tel: +86 21 2899 5000

HK - Hong Kong
Tel: +852 2428 8008

IN - India, Mumbai
Tel: +91 22 6513 7081-85

JP - Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR - South Korea, Seoul
Tel: +82 2 559 0400

MY - Malaysia, Shah Alam
Tel: +60 3 7849 0800

NZ - New Zealand, Mt Wellington
Tel: +64 9 574 1744

SG - Singapore
Tel: +65 6887 6300

TH - Thailand, Bangkok
Tel: +662 186 7000-99

TW - Taiwan, Taipei
Tel: +886 2 2298 8987

South America

AR - Argentina, Buenos Aires
Tel: +54 3327 44 4129

BR - Brazil, Sao Jose dos Campos
Tel: +55 800 727 5374

CL - Chile, Santiago
Tel: +56 2 623 1216

MX - Mexico, Toluca
Tel: +52 72 2275 4200

Ed. 2013-09-23

© 2013 Parker Hannifin Corporation.
All rights reserved.

Catalogue FCDE 5210/UK - 09/2013 - Zalsman

EMEA Product Information Centre
Free phone: 00 800 27 27 5374
(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

US Product Information Centre
Toll-free number: 1-800-27 27 53

www.parker.com