

Parker Product Datasheet



Parker's 1 inch DS Coil is a high power coil often used with 12, 16, and 20 size proportional or on-off solenoid cartridges. Multiple voltage and termination styles are standard cataloged options.

PART NUMBER: 851058-024VDC

CONNECTION TYPE: Din

VOLTAGE: 24 VDC

PRODUCT OVERVIEW

Parker's proven 1 inch DS coils are ideal for use in applications that require high flow and/or pressure. The DS coil is available in low and high watt versions for application flexibility and all coils are rated for continuous duty. DS coils are also capable of handling variable current, therefore, they can be used with proportional valves as well as on-off solenoid valves.

Features of Parker's 1 inch DS Coil include:

- Compact one piece encapsulated design – resistant to moisture, caustic solutions, fungus, and temperatures from -40°C to 200°C (-40°F to 392°F.)
- Numerous voltage options – 12/24 VDC, 120 VAC, etc
- Numerous termination options – DIN, Dual Spade, Dual Leads, etc
- Heavy gauge color coded lead wire with built-in strain relief
- 200°C Class N wire standard

Parker's 1" DS coil is a robust product that has undergone extensive testing and has a proven application performance record. Combined with Parker's extensive line of solenoid and proportional cartridge valves, the DS coil is ideal for the most challenging applications and industries including:

- Power Units
- Oil and Gas
- Material Handling
- Construction
- Drills
- Presses
- Mixers
- Agriculture
- Balers
- Combines
- Refuse
- Cranes
- Compactors
- Graders
- Automotive

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	200 °C
MAXIMUM OPERATING TEMPERATURE	392 °F
DIVISION	Hydraulic Systems Division
DIVISION	Hydraulic Valve Systems Division
MAXIMUM OPERATING PRESSURE	n/a
FLOW RATE	n/a
MINIMUM OPERATING TEMPERATURE	-40 °C
MINIMUM OPERATING TEMPERATURE	-40 °F
FOR FLUID TYPE	n/a
BODY MATERIAL	n/a
SEAL MATERIAL	n/a

WEIGHT	1.27 lb
WEIGHT	0.58 kg
MAXIMUM FLOW RATE	n/a
FUNCTION	1' DS Coil
ACTUATION TYPE	n/a
POWER CONSUMPTION	42 W
CURRENT	1.79 A
COIL TYPE	Standard
DUTY CYCLE	Continuous @ 100% Voltage
RESISTANCE	13.4 Ω