

■ Low Wattage (5W) Type Solenoid Operated Directional Valves

2 type of Direct Acting type Solenoid Operated Directional Valves, E-DSG-01/03, with suppressed consumption power 5W were launched in series.

- Because these valves only 5W of power which enables remarkable reduction of operating cost.

Standard DSG Series
DSG-01: 29W
DSG-03: 38W



Low Wattage Type E-DSG Series
E-DSG-01: 5W
E-DSG-03: 5W

- Since these valves operate on only 5W, they can be driven through the output circuit of a programmed or sequence controller. This feature simplifies the electric circuitry and enables savings in initial cost.
- These low wattage valves minimize coil surface temperature.
- CE certified products are available.



■ Specifications

| Model Numbers | Max. Flow L/min (U.S.GPM) | Max. Operating Pressure MPa (PSI) | Max. T-Line Back Pressure MPa (PSI) | Max. Changeover Frequency Cycle/min {min ⁻¹ } | Mass kg (lbs.) |
|--------------------|---------------------------------|--------------------------------------|---|--|-------------------|
| E-DSG-01-3C*-D*-60 | 30 (7.9) | 16 (2320) | 16 (2320) | 240 | 2.2 (4.85) |
| E-DSG-01-2N2-D*-60 | | | | | 2.2 (4.85) |
| E-DSG-01-2D2-D*-60 | | | | | 2.2 (4.85) |
| E-DSG-01-2B*-D*-60 | | | | | 1.6 (3.53) |
| E-DSG-03-3C*-D*-50 | 63 (16.6) | 16 (2320) | 16 (2320) | 240 | 5 (11.03) |
| E-DSG-01-2D2-D*-50 | | | | | 5 (11.03) |
| E-DSG-01-2B2-D*-50 | | | | | 3.6 (7.94) |

★ Maximum flow indicates a ceiling flow depends on the type of spool and operating condition.

■ Solenoid Ratings

| Model Numbers | Electric source | Coil Type | Voltage (V) | | Current & Power at Rated Voltage | |
|---------------|-----------------|-----------|---------------|-------------------|----------------------------------|-----------|
| | | | Source Rating | Serviceable Range | Inrush (A) | Power (W) |
| E-DSG-01 | DC (K Series) | D12 | 12 | 10.8 – 13.2 | 0.43 | 5 |
| | | D24 | 24 | 21.6 – 26.4 | 0.23 | |
| E-DSG-03 | | D12 | 12 | 10.8 – 13.2 | 0.44 | 5 |
| | | D24 | 24 | 21.6 – 26.4 | 0.22 | |

The coil type numbers in the shaded column are handled as optional extras.
In case these coils are required to be chosen, please confirm the time of delivery with us before ordering .

For details, please contact us.