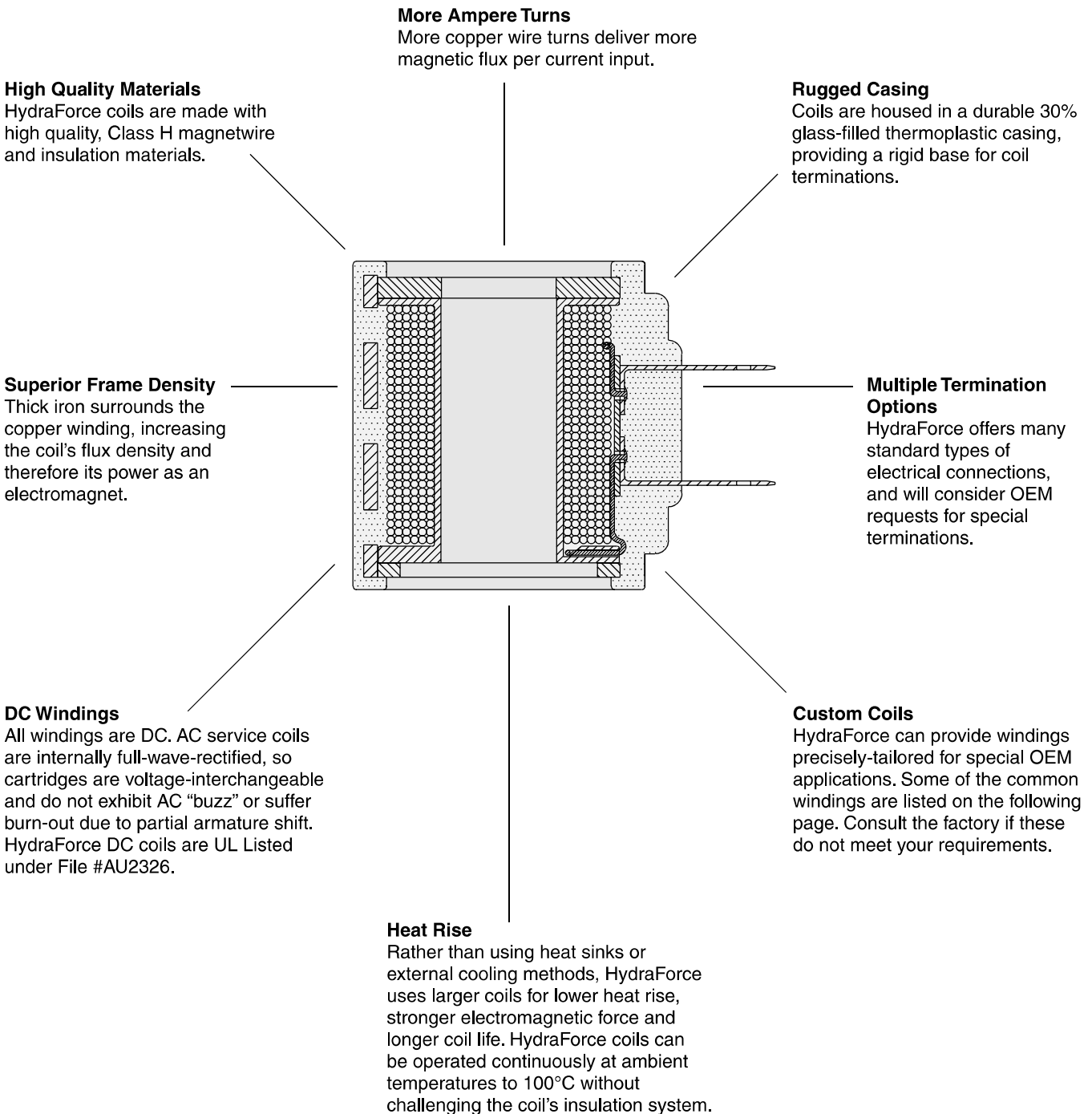


COILS AND ELECTRONIC CONTROLS

Standard Coils and Proportional Valve Coils

WHY HYDRAFORCE STANDARD COILS OUTPERFORM COMPETITIVE UNITS



Note: Some coils may differ in construction from this illustration.

Standard Coils and Proportional Valve Coils

COMMON WINDING SPECIFICATIONS

08, 80 Size Coil Data (14.7 Watts)		
Volts	Resistance (DC) @ 20°C Ohms	Initial Current Draw Amps
DC Service		
6*	2.46	2.44
10	6.8	1.47
12	9.8	1.22
20*	27.2	0.74
24	39.3	0.61
30*	61.4	0.49
36	88.3	0.41
48	156.6	0.31
72*	352.4	0.20
AC Service		
24	31.2	0.61
115	765.5	0.13
230	3035.0	0.06

*Special Order Coils

10, 38, 58, 12, 52, 16, 56 Size Coil Data (20 Watts)		
Volts	Resistance (DC) @ 20°C Ohms	Initial Current Draw Amps
DC Service		
6*	1.8	3.33
10	4.8	2.08
12	7.2	1.67
20*	19.0	1.05
24	28.8	0.83
30*	43.2	0.69
36	64.8	0.56
48	110.2	0.44
72*	249.8	0.29
AC Service		
24	23.6	0.83
115	568.0	0.17
230	2304.0	0.09

*Special Order Coils

70 Size Coil Data Proportional Coil Data		
Volts	Resistance (DC) @ 20°C Ohms	Nominal I-Max. Current Draw Amps
12	5.0	1.50
24	20.0	0.75

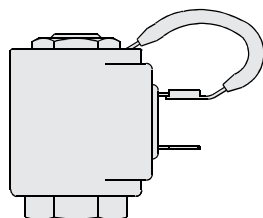
EHPR Coil Data Proportional Coil Data		
Volts	Resistance (DC) @ 20°C Ohms	Nominal I-Max. Current Draw Amps
10	3.1	1.50
12	5.4	1.20
20	12.5	0.75
24	21.7	0.60

COIL INFORMATION

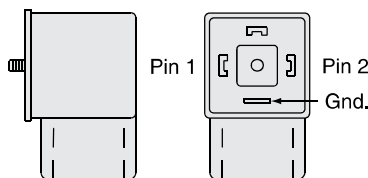
- AC service coils are internally rectified, and can be used in 50 or 60 cycle (Hz) lines.
- Special voltages and terminations are available for OEM applications; consult factory.
- Coil should always be installed with lettering facing up.
- Standard coils are not hermetically sealed. For applications requiring water- or weather-resistant coils, see page 3.400.1
- AC voltage service with transient surges over 1000 volts may require that a varistor be placed in parallel at the coil.
- EG option coils do not use ground terminal. Pins 1 and 2 are not polarity-sensitive.

Voltage	Varistor Part No.	Joule Rating Required
115	GE: V150LA10A Siemens: S10R150 or equivalent	45 minimum
230	GE: V250LA40A Siemens: S20R250 or equivalent	130 minimum

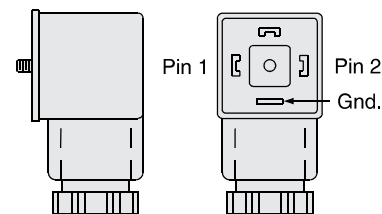
COIL ACCESSORIES



**Coil Ground Strap
for DS Coils**
HF Part No. 6502200



**DIN 43650
1/2" Conduit to Connector**
HF Part No. 6110001

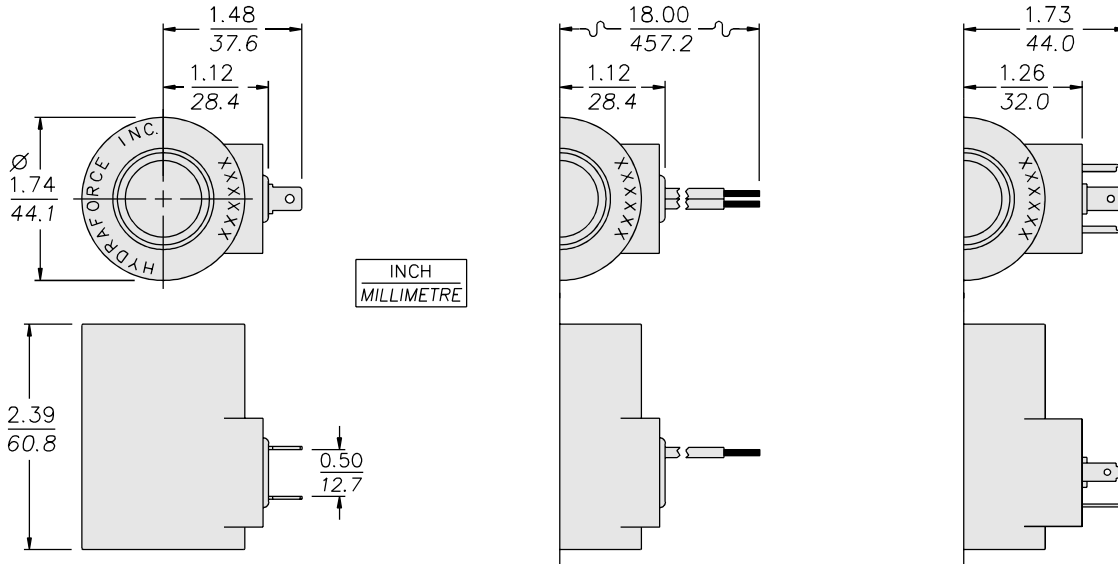


**DIN 43650
Cable Gland PG 9**
(7 mm nominal cable diameter)
HF Part No. 6110002
or Cable Gland PG 11
(9 mm nominal cable diameter)
HF Part No. 6110005

COILS AND ELECTRONIC CONTROLS

Proportional Valve Coils

SIZE 70 COIL INFORMATION



S
Dual Spades
SAE J858a

[Coil 70_DS STP Files](#)

L
Dual Leads
18 Gauge

[Coil 70_DL STP Files](#)

G
DIN 43650
Connector

Pins 1 and 2 are not polarity-sensitive. Ground pin is not used.

[Coil 70_DG STP Files](#)

Voltage	Part Number Suffix		
	S	L	G
12 VDC	6507112	6507212	6507612
24 VDC	6507124	6507224	6507624

Coil Weight: 320 g. (11.2 oz.)