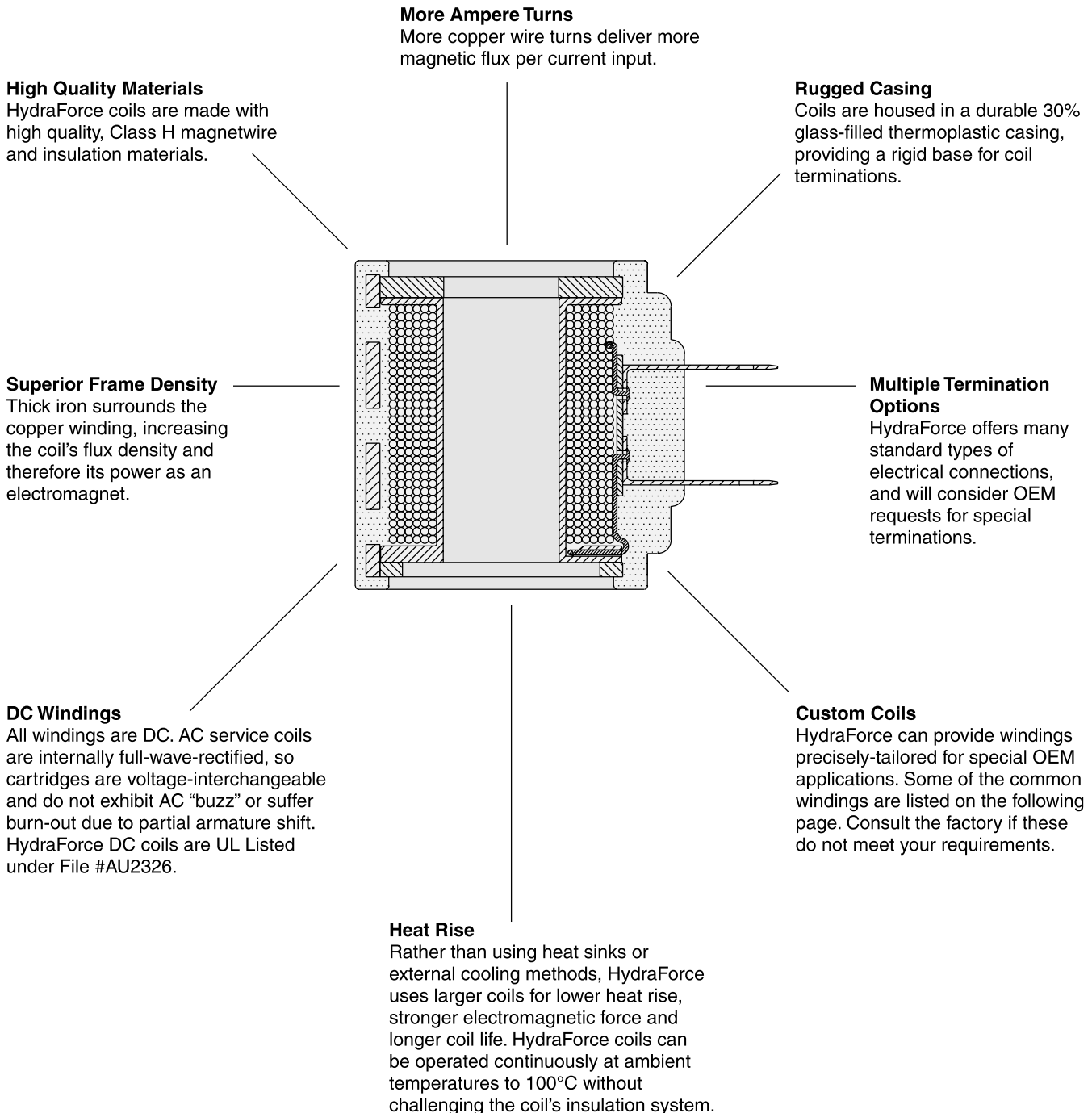


## COILS AND ELECTRONIC CONTROLS

# 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
<b>DC Service</b>		
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
<b>AC Service</b>		
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
<b>DC Service</b>		
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
<b>AC Service</b>		
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

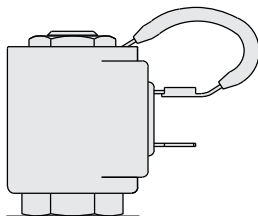
EHPR Coil Data Proportional Coil Data		
Volts	Resistance (DC) @ 20°C Ohms	Nominal I-Max. Current Draw Amps
10	3.1	1.50
12	5.4	1.20
20	12.5	0.75
24	21.7	0.60

## COIL INFORMATION

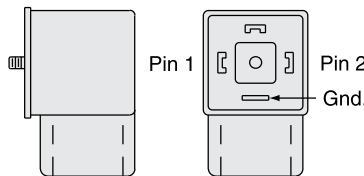
- AC service coils are internally rectified, and can be used in 50 or 60 cycle (Hz) lines.
- Special voltages and terminations are available for OEM applications; consult factory.
- Coil should always be installed with lettering facing up.
- Standard coils are not hermetically sealed. For applications 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

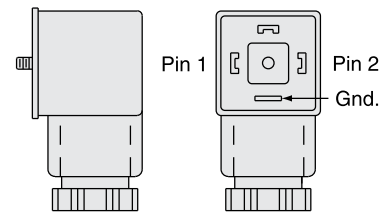
## COIL ACCESSORIES



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



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

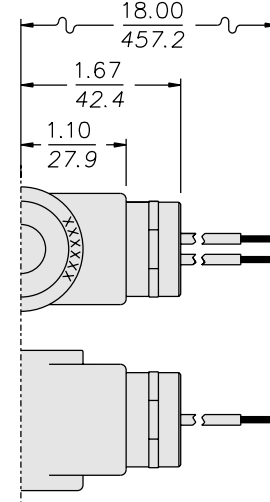
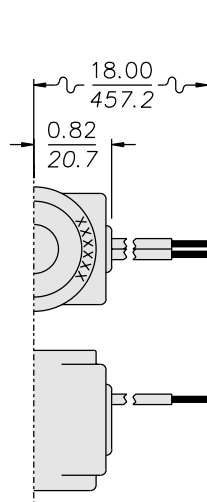
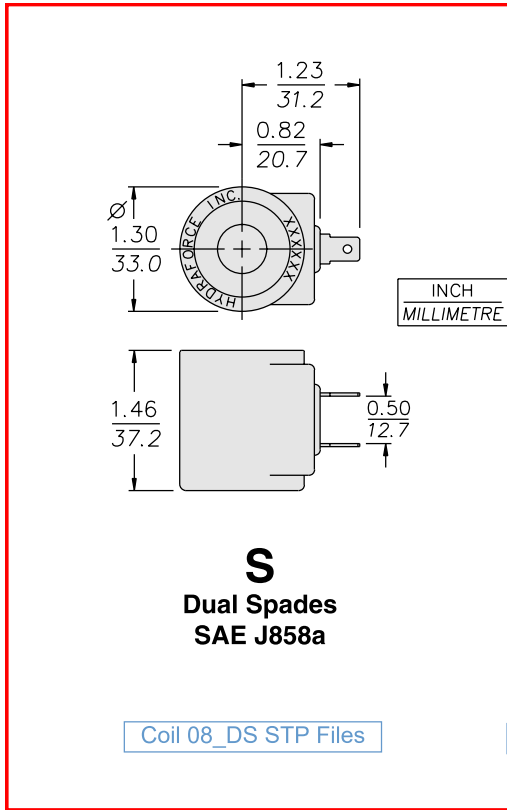


**DIN 43650  
Cable Gland PG 9  
(7 mm nominal cable diameter)  
HF Part No. 6110002  
or Cable Gland PG 11  
(9 mm nominal cable diameter)  
HF Part No. 6110005**

# COILS AND ELECTRONIC CONTROLS

## Standard Coils and Proportional Valve Coils

### SERIES 08, 80, 88, 98 COIL INFORMATION



Voltage	Part Number Suffix		
	S	L	P
10 VDC	6301010	6302010	
12 VDC	6301012	6302012	6305012
<b>24 VDC</b>	<b>6301024</b>	6302024	6305024
36 VDC	6301036	6302036	
*24 VAC			6315024
*115 VAC			6315115
*230 VAC			6315230

\*Rectified

Coil Weight: 110 g. (4.0 oz.)