

# Thermafoil® Graphite Pressure Seal Data Sheet

Please complete the form below and email to [egc@egcgraphite.com](mailto:egc@egcgraphite.com). This information is required for accurate design, quotation and manufacture of an EGC graphite pressure seal for your application. Incomplete, inaccurate or missing information will result in a delay or inability to design, quote or manufacture the required pressure seal.

## Step 1: Customer & Valve Data

Company: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Plant: \_\_\_\_\_

Email: \_\_\_\_\_

Valve Location: \_\_\_\_\_

Valve Manufacturer: \_\_\_\_\_

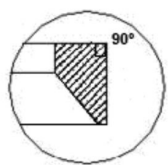
Valve Size: \_\_\_\_\_ Valve Type: \_\_\_\_\_

Valve Figure No.: \_\_\_\_\_

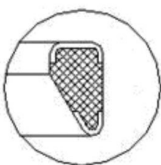
Phone: \_\_\_\_\_

Valve Pressure Class: \_\_\_\_\_ Qty. Required: \_\_\_\_\_

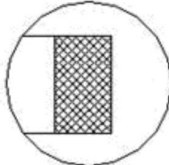
## Step 2: Select the box for the **EXISTING** seal you are measuring and replacing.



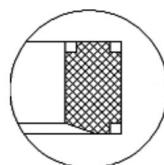
Metal



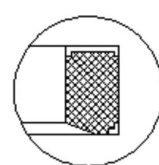
Graphite  
Metal Caps



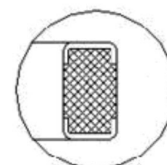
Graphite  
Rectangle



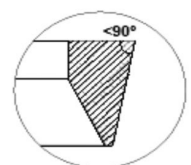
Graphite  
Wire Corners  
(Edwards)



Graphite Rectangle  
with Caps

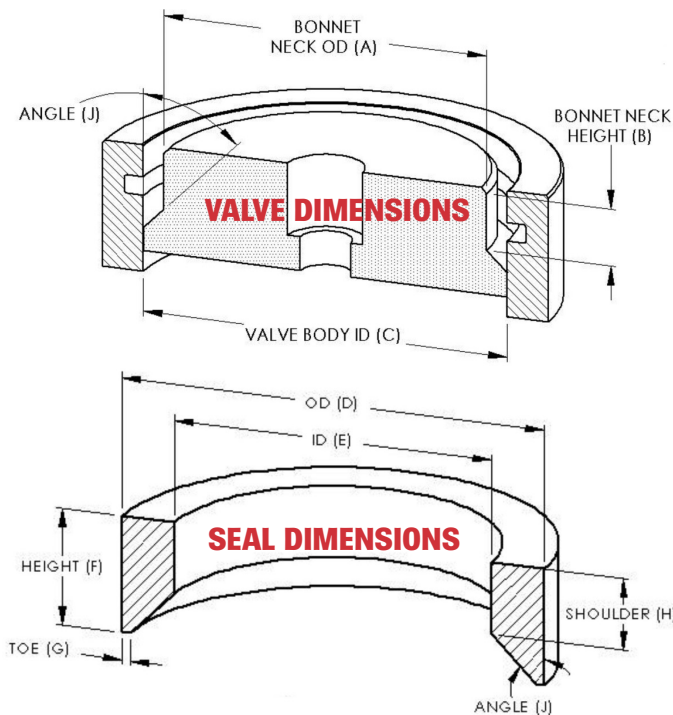


Graphite  
Rectangle with Caps



Powell Metal Seal  
w/ OD Taper  
**Contact EGC**

## Step 3: Provide dimensions below using illustrations for reference. **ACCURATE & COMPLETE** data is essential to ensure proper fit & function of a new pressure seal.



A.) Valve Bonnet Neck OD: \_\_\_\_\_ in.

B.) Bonnet Neck Height: \* \_\_\_\_\_ in.

C.) Valve Body ID: \*\* \_\_\_\_\_ in.

D.) Seal OD: \_\_\_\_\_ in.

E.) Seal ID: \_\_\_\_\_ in.

F.) Seal Height: \_\_\_\_\_ in.

G.) Toe Width: \_\_\_\_\_ in.

H.) Shoulder Height: \_\_\_\_\_ in.

J.) Angle (Bonnet or Seal): \_\_\_\_\_ deg.

Were dimensions taken from a new or used seal?

Used \_\_\_\_\_ New \_\_\_\_\_

Spacer / Backing Ring Thickness? \_\_\_\_\_

System Operating Pressure? \_\_\_\_\_

Will valve be hydro-tested? \_\_\_\_\_

Bonnet retainment design:

Segmented ring \_\_\_\_\_ Screw in retainer \_\_\_\_\_

Other (please describe below) \_\_\_\_\_

\* Please note any uninstalled pressure seal height restrictions. Ex: bonnet threads, jack screw plate assemblies, recess or relief cuts.

\*\* Any taper, out of roundness, cuts, grooves, or other damage to the valve body ID within the seal ring area must be reported to EGC with the data sheet.

- Valve mating components related to the pressure seal ring with diametrical clearance more than .050" must be reported to EGC during design review (ex: backing rings, keeper rings, major bonnet OD, etc.)

- While EGC always recommends sending photos, descriptions or sketches of the configuration and condition of the mating valve components with the data sheet, if the valve is an abnormal configuration and/or the valve is in poor condition, photos and descriptions are a requirement to ensure proper replacement seal ring design.

**Please email or fax completed form to EGC for prompt quotation. Thank you.**

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