



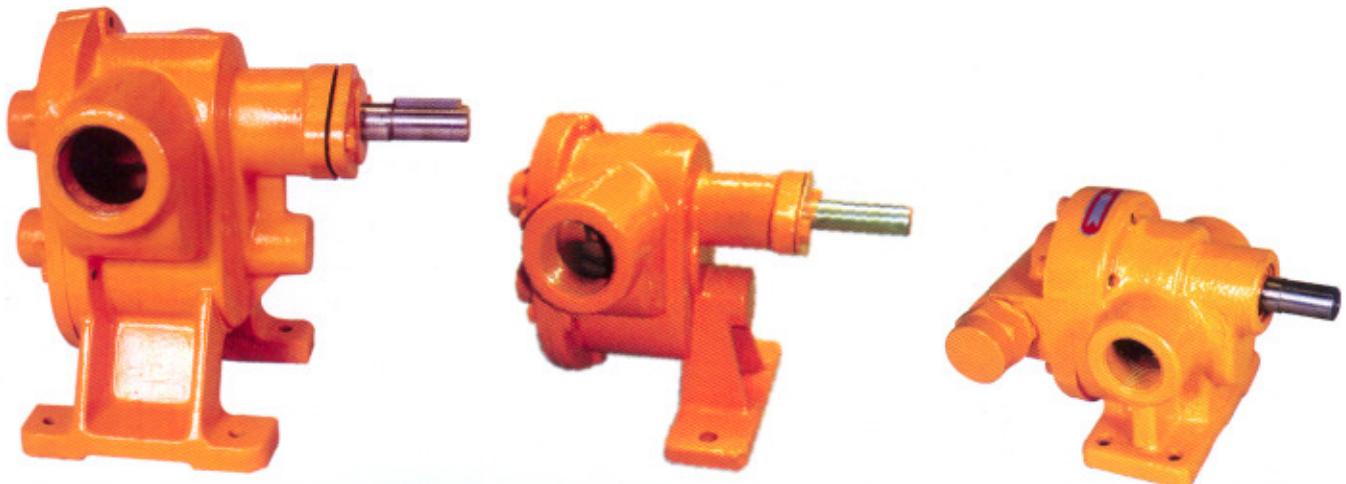
**G-PUMPS®**

# **BOMBAS**

## **DE ENGRANES HELICOIDALES**

**PARA MANEJO DE LÍQUIDOS  
DE BAJA Y ALTA VISCOSIDAD**

Aceites / Combustibles / Grasas / Gel / Resinas / Asfalto  
Pintura / Adhesivos / Miel / Emulsiones / Parafina / Melaza  
Tinta / Solventes / Chocolate... etc.



**AL SERVICIO DE LA INDUSTRIA DESDE 1968**

EFECTIVIDAD COMPROBADA

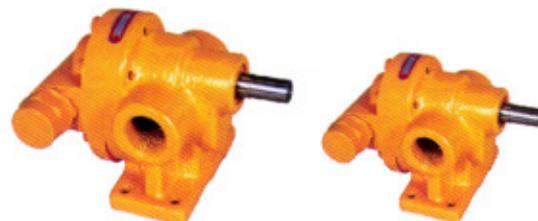
Las bombas G-PUMPS de desplazamiento positivo de la serie 2000 KG y KD están construidas con engranes helicoidales para minimizar el ruido de operación. El material de construcción es en Hierro Gris, el sello del eje en Viton, conexiones roscales en NPT. Las bombas son de operación bidireccional y tienen un excelente poder de succión (varía dependiendo la viscosidad del líquido), son autocebantes y su temperatura de operación va hasta 110°C (consultar para mayores temperaturas). Viscosidad máxima 100,000 CP.

**KG**



Modelos KG operan a 700 RPM max. Las RPM van de acuerdo a la viscosidad del fluido. Presión de operación de 10 kg/cm<sup>2</sup>.

**KD**



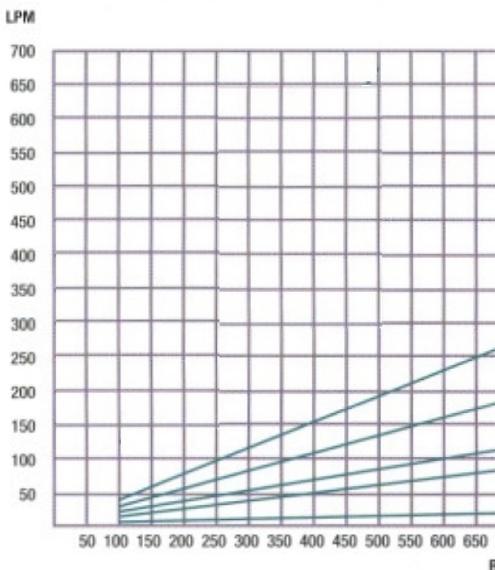
Modelos KD operan a 1750 RPM max, excepto KD-6 a 1200 RPM max. Presión de operación de 8.5 kg/cm<sup>2</sup>. Válvula de alivio integrada.

#### Información Requerida para la Selección de la Bomba

- Líquido a Manejar
- Viscosidad (CP)
- Temperatura
- PH
- Carga Dinámica Total
- Tipo de Succión
- Flujo Requerido (LPM)

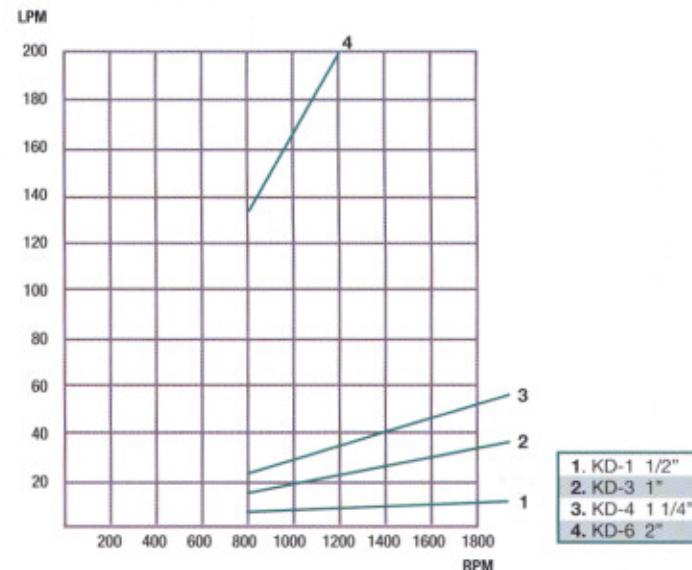
#### CURVAS KG

Basado en 50cps, 50psi



#### CURVAS KD

Basado en 20cps, 50psi



# Tablas de Operación KG

270 CPS

Succión Negativa 90 cm.  
Temperatura Ambiente.

| Modelo |     | KG-1 1/2" |      | KG-3 1" |      | KG-4 11/4" |     | KG-5 11/2" |     | KG-6 2" |     |
|--------|-----|-----------|------|---------|------|------------|-----|------------|-----|---------|-----|
| RPM    | PSI | LPM       | HP   | LPM     | HP   | LPM        | HP  | LPM        | HP  | LPM     | HP  |
| 330    | 0   | 13        | 0.5  | 42      | 0.75 | 54         | 1   | 92         | 1.5 | 125     | 2   |
|        | 50  | 12        | 0.5  | 39      | 1    | 52         | 1.5 | 88         | 2   | 121     | 3   |
|        | 100 | 10        | 0.75 | 36      | 2    | 50         | 2   | 84         | 3   | 116     | 3   |
|        | 150 | 9         | 0.75 | 34      | 3    | 47         | 3   | 78         | 3   | 108     | 5   |
| 470    | 0   | 17        | 0.5  | 62      | 1    | 80         | 1.5 | 131        | 2   | 187     | 2   |
|        | 50  | 16        | 0.5  | 60      | 1.5  | 77         | 2   | 125        | 3   | 179     | 3   |
|        | 100 | 14        | 0.75 | 57      | 2    | 73         | 3   | 117        | 5   | 167     | 5   |
|        | 150 | 11        | 1    | 54      | 3    | 68         | 3   | 109        | 5   | 155     | 7.5 |
| 665    | 0   | 24        | 0.75 | 84      | 1.5  | 110        | 1.5 | 186        | 2   | 255     | 2   |
|        | 50  | 23        | 1    | 83      | 2    | 105        | 2   | 182        | 3   | 250     | 5   |
|        | 100 | 19        | 1    | 80      | 2    | 99         | 3   | 176        | 5   | 243     | 7.5 |
|        | 150 | 16        | 1.5  | 74      | 3    | 88         | 3   | 167        | 5   | 230     | 7.5 |

1000 CPS

Succión Positiva 90 cm.  
Temperatura Ambiente.

| Modelo |     | KG-1 1/2" |      | KG-3 1" |     | KG-4 11/4" |     | KG-5 11/2" |    | KG-6 2" |     |
|--------|-----|-----------|------|---------|-----|------------|-----|------------|----|---------|-----|
| RPM    | PSI | LPM       | HP   | LPM     | HP  | LPM        | HP  | LPM        | HP | LPM     | HP  |
| 330    | 0   | 11        | 0.5  | 41      | 1   | 53         | 1.5 | 88         | 2  | 131     | 3   |
|        | 50  | 10        | 0.75 | 38      | 1.5 | 53         | 1.5 | 84         | 2  | 126     | 3   |
|        | 100 | 9         | 1    | 34      | 2   | 49         | 2   | 80         | 3  | 120     | 5   |
|        | 150 | 7         | 1.5  | 32      | 3   | 43         | 3   | 74         | 3  | 114     | 5   |
| 470    | 0   | 15        | 0.75 | 60      | 1.5 | 80         | 2   | 131        | 2  | 187     | 3   |
|        | 50  | 13        | 1    | 67      | 1.5 | 80         | 2   | 130        | 3  | 182     | 5   |
|        | 100 | 12        | 1.5  | 55      | 2   | 77         | 3   | 126        | 3  | 181     | 5   |
|        | 150 | 10        | 2    | 52      | 3   | 75         | 5   | 120        | 5  | 172     | 7.5 |

12,000 CPS

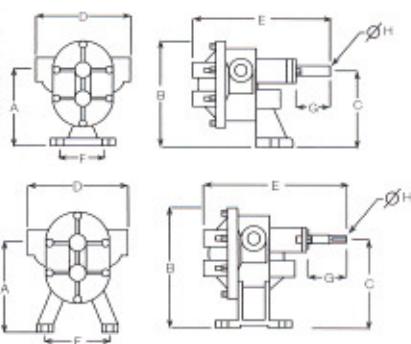
Succión Positiva.  
Temperatura Ambiente.

| Modelo |     | KG-3 1" |      | KG-4 11/4" |      | KG-5 11/2" |     | KG-6 2" |     |
|--------|-----|---------|------|------------|------|------------|-----|---------|-----|
| RPM    | PSI | LPM     | HP   | LPM        | HP   | LPM        | HP  | LPM     | HP  |
| 100    | 0   | 15      | 0.75 | 19         | 0.75 | 28         | 1   | 37      | 1.5 |
|        | 50  | 15      | 0.75 | 19         | 1    | 27         | 1.5 | 37      | 2   |
|        | 100 | 14      | 1    | 18         | 1    | 26         | 1.5 | 36      | 2   |
|        | 150 | 13      | 1    | 17         | 1.5  | 24         | 2   | 34      | 3   |
| 150    | 0   | 19      | 0.75 | 25         | 1    | 40         | 1.5 | 55      | 2   |
|        | 50  | 19      | 1    | 25         | 1.5  | 39         | 1.5 | 55      | 2   |
|        | 100 | 18      | 1    | 24         | 1.5  | 37         | 2   | 52      | 3   |
|        | 150 | 17      | 1.5  | 22         | 2    | 35         | 3   | 51      | 5   |
| 250    | 0   | 32      | 1.5  | 42         | 2    | 68         | 2   | 93      | 2   |
|        | 50  | 31      | 2    | 41         | 2    | 67         | 3   | 93      | 3   |
|        | 100 | 31      | 2    | 39         | 3    | 65         | 5   | 91      | 5   |
|        | 150 | 30      | 3    | 36         | 5    | 61         | 5   | 88      | 7.5 |

## Dimensiones (en pulgadas)

|      |       | A      | B     | C     | D     | E     | F      | G       | H     |
|------|-------|--------|-------|-------|-------|-------|--------|---------|-------|
| KG-1 | 1/2   | 3 1/2  | 5 1/4 | 3 1/2 | 5 3/8 | 7 1/8 | 2 7/16 | 1 7/8   | 9/16  |
| KG-3 | 1     | 5      | 7 1/8 | 5     | 7 1/2 | 8 3/8 | 4 3/4  | 2 5/16  | 11/16 |
| KG-4 | 1 1/4 | 5 1/2" | 7 1/4 | 5 1/8 | 7 1/2 | 9 1/4 | 4 3/4  | 2 13/16 | 11/16 |

|      |       | A     | B      | C     | D  | E      | F     | F"    | G       | H      | CUÑERO |
|------|-------|-------|--------|-------|----|--------|-------|-------|---------|--------|--------|
| KG-5 | 1 1/2 | 7 1/8 | 9 3/4  | 7 1/8 | 9  | 11 1/8 | 6 1/8 | 4 7/8 | 2 1/8   | 24 mm. | 8 mm.  |
| KG-6 | 2     | 8 3/8 | 11 3/8 | 8 3/8 | 10 | 12 3/8 | 6 3/8 | 5 1/8 | 2 13/16 | 24 mm. | 8 mm.  |



- Esta información puede variar dependiendo de la aplicación
- Datos sujetos a cambio sin previo aviso
- El uso de productos sucios o abrasivos disminuyen la vida útil de la bomba.

# Tablas de Operación KD

|                |     |      | 1750 RPM |      | 1175 RPM |      |
|----------------|-----|------|----------|------|----------|------|
| MODELO         | PSI | SSU  | 100      | 1000 | 100      | 1000 |
| KD-1<br>1/2"   | 0   | GPM  | 3.2      | 3.4  | 2.2      | 2.3  |
|                | 40  | HP   | 0.13     | 0.16 | 0.08     | 0.10 |
|                | 80  | GPM  | 2.8      | 3.1  | 1.8      | 1.9  |
|                | HP  | 0.33 | 0.40     | 0.21 | 0.16     |      |
|                | 125 | GPM  | 2.4      | 2.6  | 1.6      | 1.7  |
|                |     | HP   | 0.53     | 0.59 | 0.39     | 0.46 |
| KD-3<br>1"     | 0   | GPM  | 1.9      | 2.1  | 1.3      | 1.5  |
|                | 40  | HP   | 0.70     | 0.92 | 0.52     | 0.69 |
|                | 80  | GPM  | 9.2      | 9.3  | 6.2      | 6.3  |
|                | HP  | 0.22 | 0.28     | 0.13 | 0.17     |      |
|                | 125 | GPM  | 8.3      | 8.8  | 5.3      | 5.7  |
|                |     | HP   | 0.58     | 0.67 | 0.39     | 0.45 |
| KD-4<br>1 1/4" | 0   | GPM  | 7.6      | 8.2  | 4.9      | 5.2  |
|                | 40  | HP   | 0.90     | 1.10 | 0.76     | 0.88 |
|                | 80  | GPM  | 6.8      | 7.4  | 4.2      | 4.6  |
|                | HP  | 1.38 | 1.53     | 0.90 | 1.15     |      |
|                | 125 | GPM  | 13.7     | 14   | 9.0      | 9.3  |
|                |     | HP   | 0.56     | 0.69 | 0.29     | 0.34 |
| KD-6<br>2"     | 0   | GPM  | 13.1     | 13.4 | 9.6      | 8.8  |
|                | 40  | HP   | 0.69     | 0.83 | 0.44     | 0.59 |
|                | 80  | GPM  | 12.3     | 12.6 | 8.0      | 8.2  |
|                | HP  | 1.14 | 1.59     | 0.89 | 1.10     |      |
|                | 125 | GPM  | 11.6     | 11.7 | 7.5      | 7.4  |
|                |     | HP   | 1.90     | 2.20 | 1.25     | 1.52 |
|                | 0   | GPM  |          |      | 53       | 54   |
|                | 40  | HP   |          |      | 2.6      | 3.4  |
|                | 80  | GPM  |          |      | 49       | 51   |
|                | HP  |      |          |      | 3.7      | 4.8  |
|                | 125 | GPM  |          |      | 45       | 47   |
|                |     | HP   |          |      | 4.9      | 6.9  |
|                | 0   | GPM  |          |      | 36       | 39   |
|                | 40  | HP   |          |      | 6.9      | 9.8  |

\*Mod. KD-6 con baleros internos en contacto con el líquido

## Dimensiones (en pulgadas)

|      |        | A     | B     | C     | D     | E      | F     | F"    | G     | H     | H"    | CUÑERO |
|------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| KD-1 | 1/2"   | 2.240 | 3.890 | 2.695 | 3.850 | 5.800  | 2.755 |       | 1.300 | 13mm. | 14mm. | OP     |
| KD-3 | 1"     | 2.820 | 5.270 | 3.550 | 5.160 | 7.460  | 3.940 | 1.575 | 1.400 | 17mm. | 18mm. | OP     |
| KD-4 | 1 1/4" | 3.000 | 5.670 | 3.800 | 5.670 | 8.000  | 3.930 | 1.775 | 1.500 | 19mm. | 20mm. | OP     |
| KD-6 | 2"     | 6.100 | 8.900 | 6.250 | 8.900 | 13.500 | 7.500 | 3.950 | 2.500 | 28mm. | 30mm. | 8mm.   |



Acoplamiento con poleas y bandas



Acoplamiento por cople flexible

