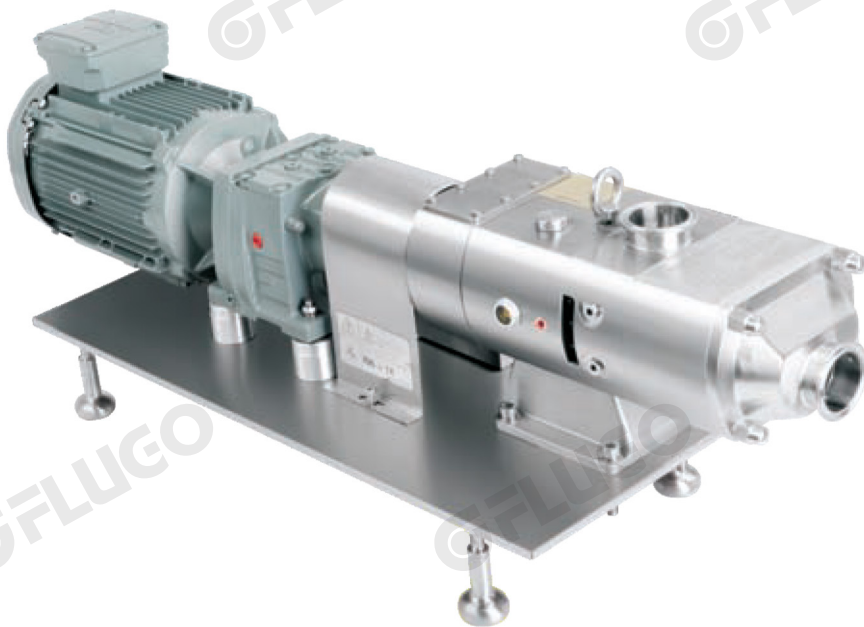




Technical Catalogue



# FLG Series

Twin Screw Pump

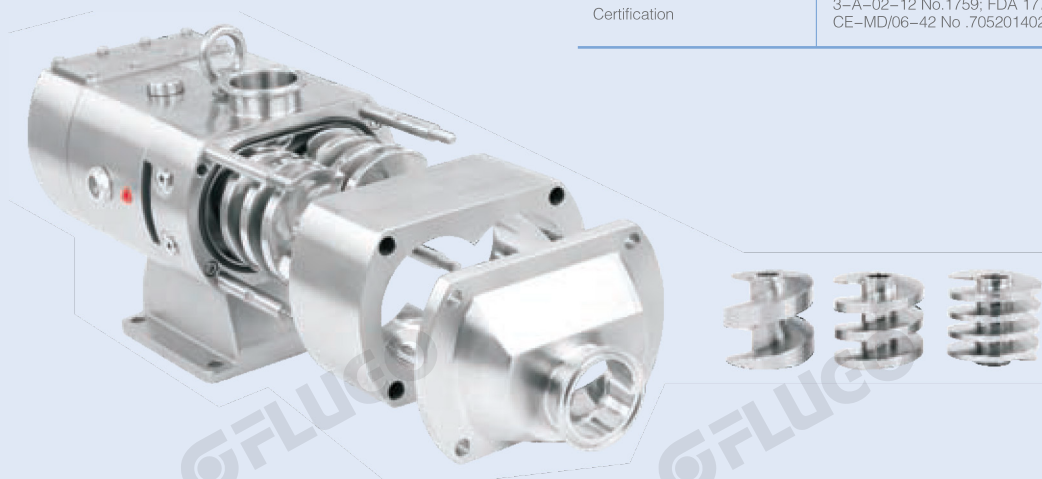
## FLG series twin screw pump

Bidirectional reversible operation, high and low viscosity, no pulse, high pressure, Solutions for non-damaged and flexible conveying of various materials including granule

Efficient, clean, safe and durable  
Simple maintenance, no professional required

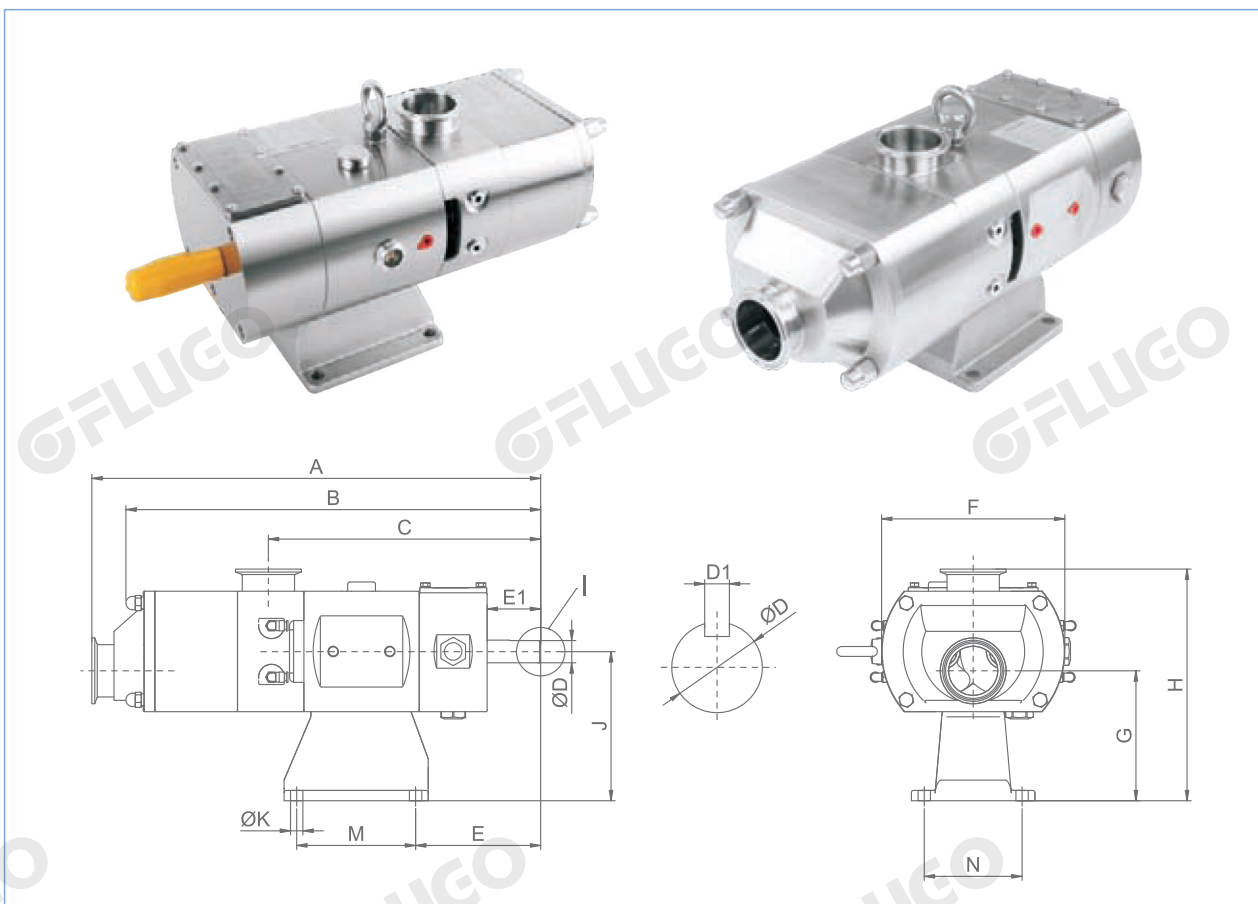
### Technical Specifications

|                     |                                                                     |
|---------------------|---------------------------------------------------------------------|
| Max flow            | 180m³/h                                                             |
| Max particles       | 39mm                                                                |
| Max pressure        | 20bar                                                               |
| Speed range         | 10–3500 R.P.M                                                       |
| Working temperature | –40°C to 150°C                                                      |
| Surface treatment   | Ra≤0.6 μ m; EP=Ra0.4 μ m                                            |
| Material            | 100% stainless steel, Medium contact part 316L                      |
| Certification       | 3–A–02–12 No.1759; FDA 177.2600;<br>CE–MD/06–42 No .705201402401–00 |



**FLG Screw Pump Technical Parameter Table**

| Model     | Screw pitch (mm) | Discharge per revolution | Max flow (L/m) | Max flow (m³/h) | (rpm) Max speed (minutes) | Max diameter of passed granule (mm) | Max pressure (bar) | Head port (inlet) | Body port (outlet) | Net weight (kg) |
|-----------|------------------|--------------------------|----------------|-----------------|---------------------------|-------------------------------------|--------------------|-------------------|--------------------|-----------------|
| FLG-20-18 | 18               | 0.07                     | 252            | 15              | 3600                      | 8.5                                 | 20                 | 1"–2"             | 1"–2"              | 30              |
| FLG-20-26 | 26               | 0.10                     | 360            | 22              | 3600                      | 12.5                                | 20                 |                   |                    |                 |
| FLG-20-39 | 39               | 0.15                     | 435            | 26              | 2900                      | 19.0                                | 20                 |                   |                    |                 |
| FLG-30-24 | 24               | 0.14                     | 406            | 24              | 2900                      | 11.5                                | 20                 | 2.5"–3"           | 2"–3"              | 59              |
| FLG-30-40 | 40               | 0.25                     | 725            | 44              | 2900                      | 19.5                                | 20                 |                   |                    |                 |
| FLG-30-60 | 60               | 0.37                     | 1073           | 64              | 2900                      | 29.5                                | 20                 |                   |                    |                 |
| FLG-70-32 | 32               | 0.47                     | 1363           | 82              | 2900                      | 15.5                                | 20                 | 3"–4"             | 3"–4"              | 155             |
| FLG-70-54 | 54               | 0.79                     | 2291           | 137             | 2900                      | 26.5                                | 20                 |                   |                    |                 |
| FLG-70-80 | 80               | 1.17                     | 3393           | 204             | 2900                      | 39.5                                | 20                 |                   |                    |                 |

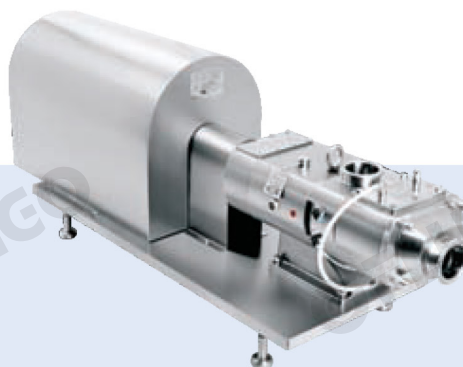

**FLG Screw Pump Dimension Data Chart**

| Model     | Cover port<br>(Inlet) | Body port<br>(outlet) | Assembly Dimension |     |    |    |     |      |     |     |       |    |     |     |       |     |        |     |        |     |
|-----------|-----------------------|-----------------------|--------------------|-----|----|----|-----|------|-----|-----|-------|----|-----|-----|-------|-----|--------|-----|--------|-----|
|           | Inlet                 | Outlet                | B                  | C   | D  | D1 | E   | E1   | F   | G   | J     | K  | M   | N   | Clamp |     | Thread |     | Flange |     |
|           |                       |                       |                    |     |    |    |     |      |     |     |       |    |     |     | A     | H   | A      | H   | A      | H   |
| FLG-20-18 | 1"–2"                 | 1"–2"                 | 385                | 265 | 22 | 6  | 122 | 52   | 178 | 127 | 145   | 12 | 116 | 95  | 436   | 225 | 445    | 234 | 447    | 231 |
| FLG-20-26 | 1"–2"                 | 1"–2"                 | 385                | 265 | 22 | 6  | 122 | 52   | 178 | 127 | 145   | 12 | 116 | 95  | 436   | 225 | 445    | 234 | 447    | 231 |
| FLG-20-39 | 1"–2"                 | 1"–2"                 | 385                | 265 | 22 | 6  | 122 | 52   | 178 | 127 | 145   | 12 | 116 | 95  | 436   | 225 | 445    | 234 | 447    | 231 |
| FLG-30-24 | 2.5"–3"               | 2"–3"                 | 520                | 354 | 28 | 8  | 181 | 57.5 | 225 | 162 | 180   | 12 | 190 | 125 | 589   | 280 | 601    | 296 | 595    | 289 |
| FLG-30-40 | 2.5"–3"               | 2"–3"                 | 520                | 354 | 28 | 8  | 181 | 57.5 | 225 | 162 | 180   | 12 | 190 | 125 | 589   | 280 | 601    | 296 | 595    | 289 |
| FLG-30-60 | 2.5"–3"               | 2"–3"                 | 520                | 354 | 28 | 8  | 181 | 57.5 | 225 | 162 | 180   | 12 | 190 | 125 | 589   | 280 | 601    | 296 | 595    | 289 |
| FLG-70-32 | 3"–4"                 | 3"–4"                 | 634                | 411 | 42 | 8  | 196 | 73   | 322 | 206 | 183.5 | 18 | 300 | 194 | 720   | 376 | 727    | 383 | 730    | 386 |
| FLG-70-54 | 3"–4"                 | 3"–4"                 | 634                | 411 | 42 | 8  | 196 | 73   | 322 | 206 | 183.5 | 18 | 300 | 194 | 720   | 376 | 727    | 383 | 730    | 386 |
| FLG-70-80 | 3"–4"                 | 3"–4"                 | 634                | 411 | 42 | 8  | 196 | 73   | 322 | 206 | 183.5 | 18 | 300 | 194 | 720   | 376 | 727    | 383 | 730    | 386 |

## FLG series twin screw pump



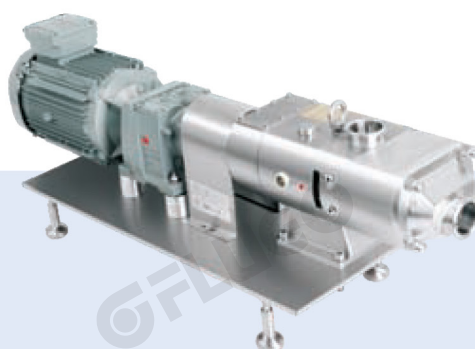
Screw pump with hopper



Screw pump with motor cover  
+ Pump head insulation jacket



Screw pump with motor



Screw pump with motor and reducer

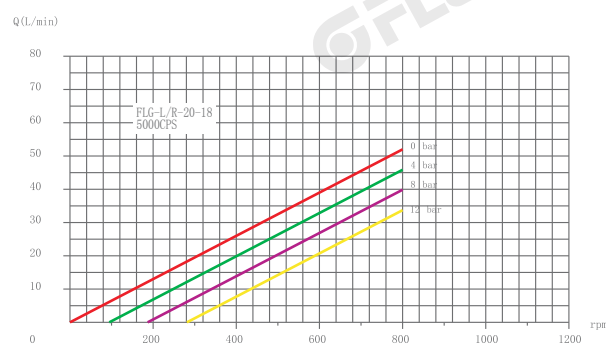
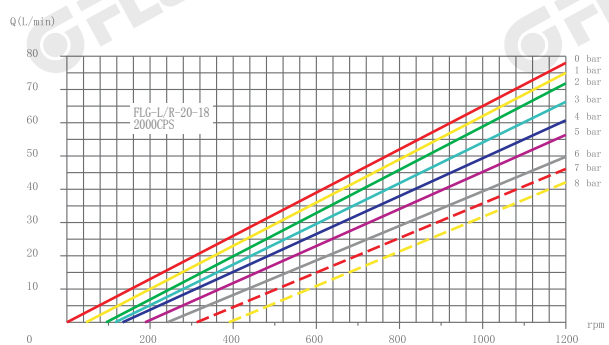
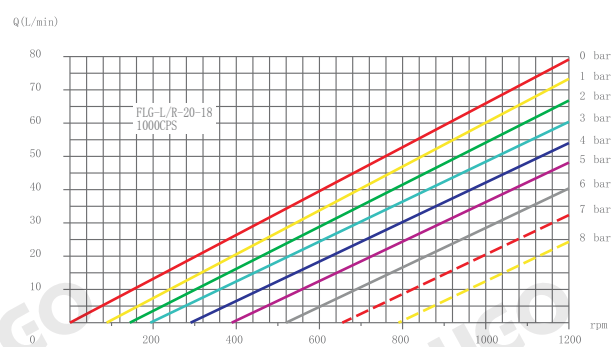
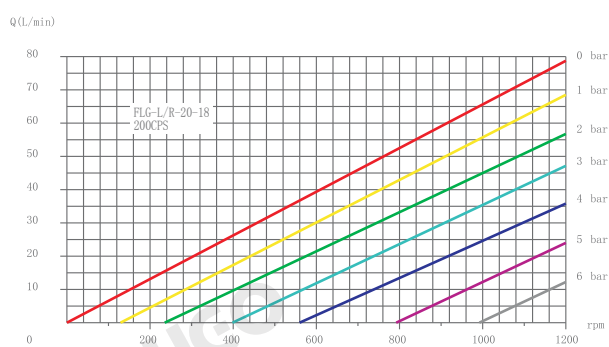


Mobile screw pump

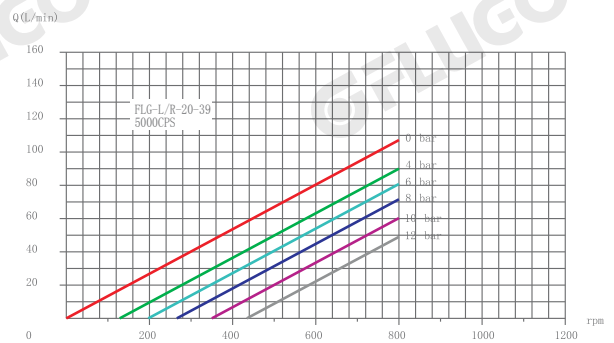
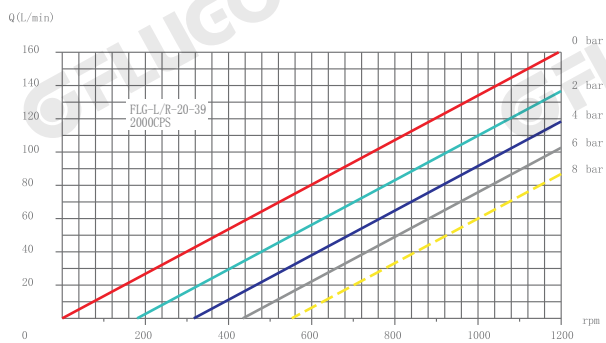
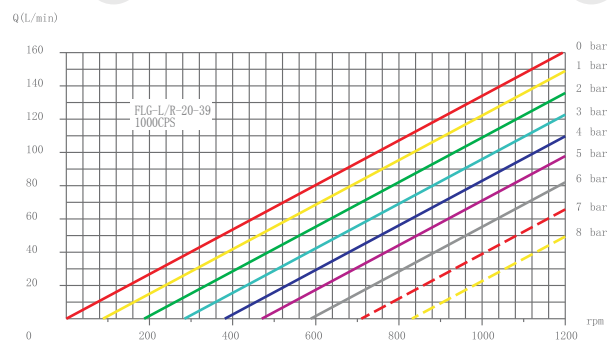
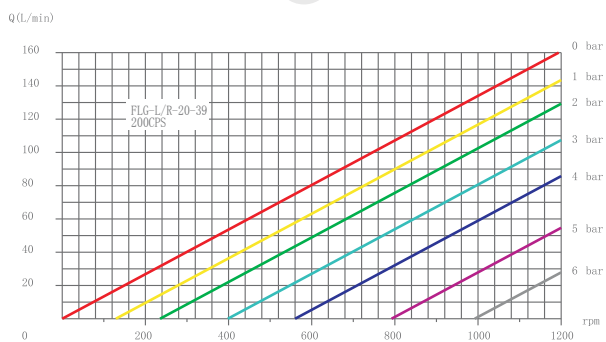
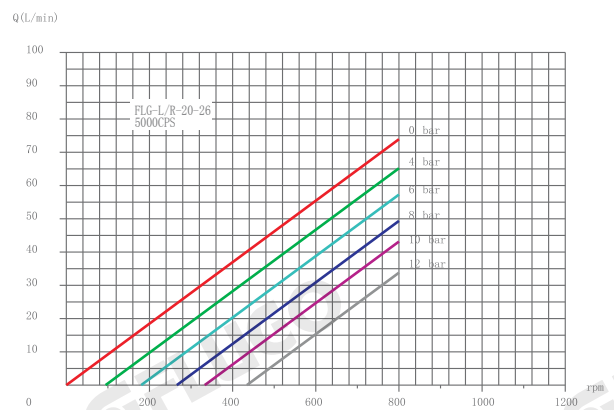
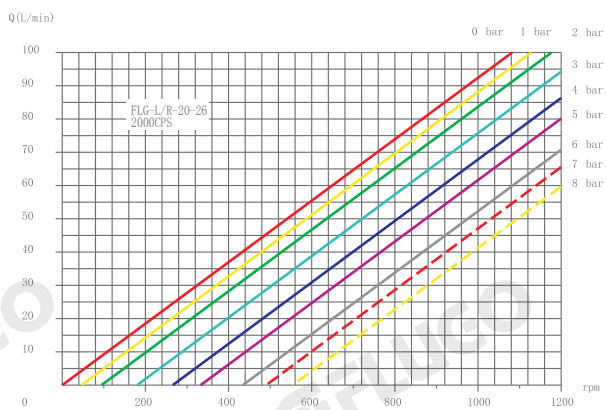
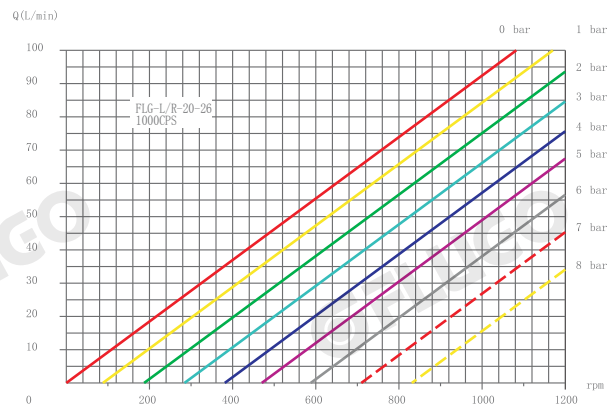
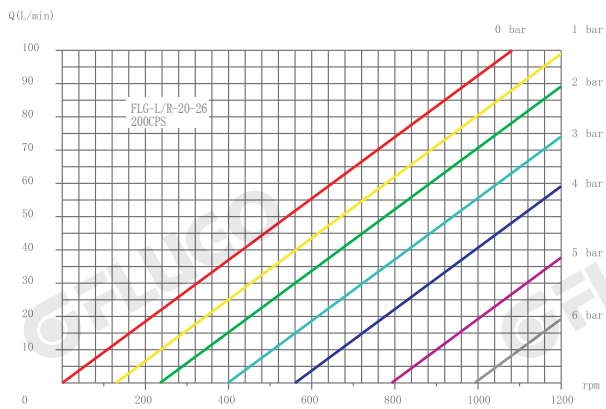


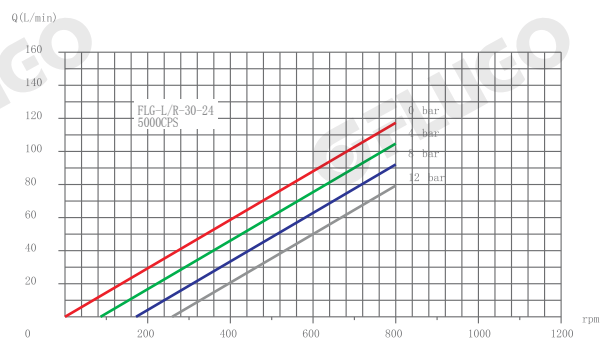
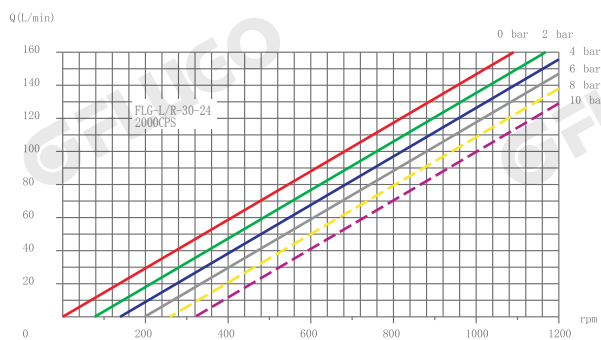
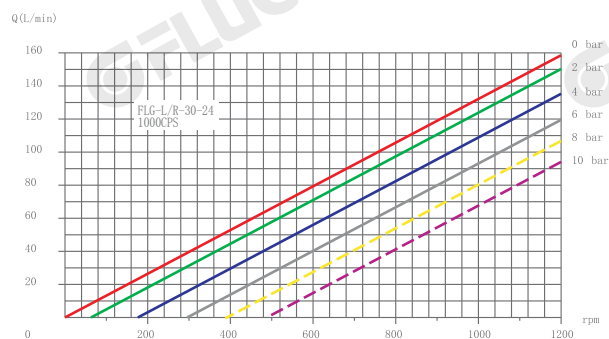
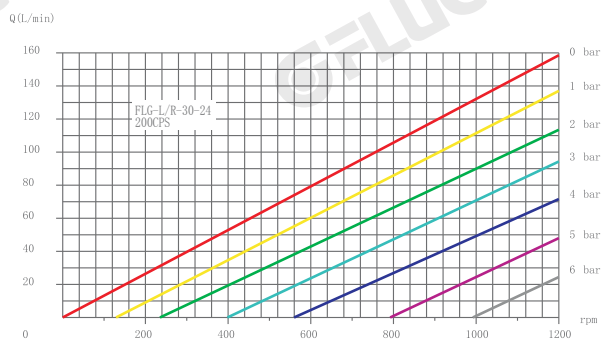
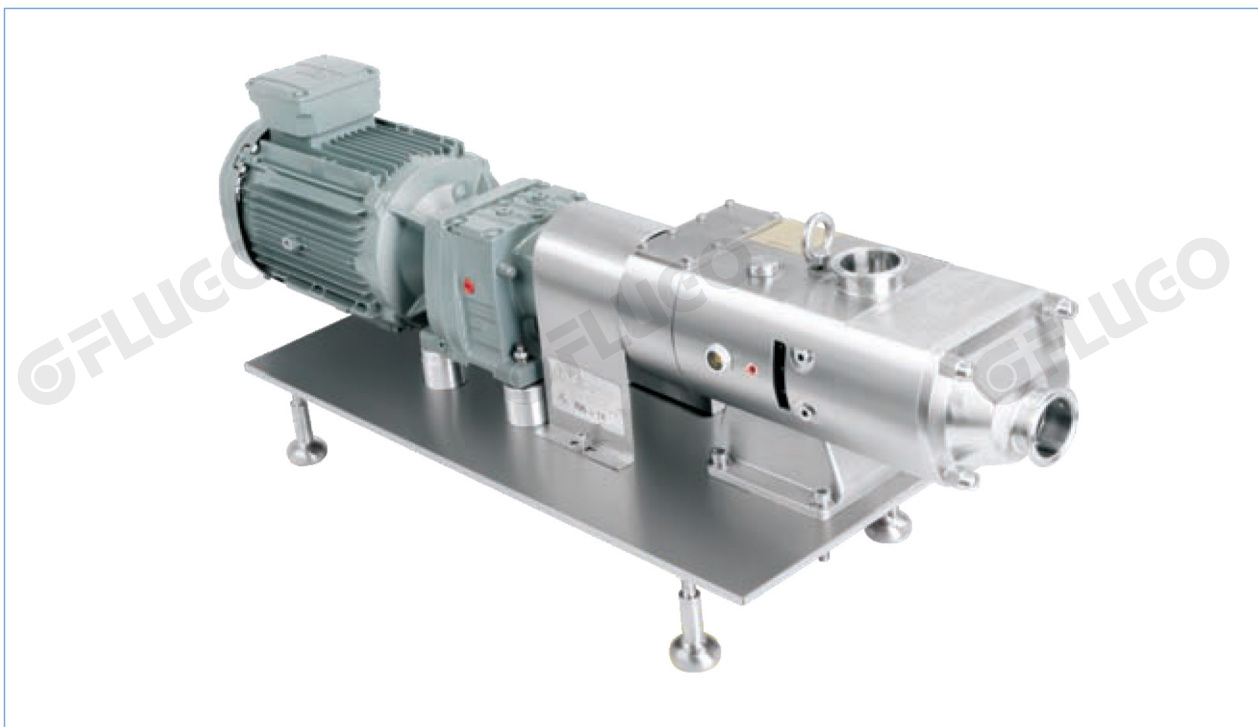
Screw pump with mobile and control box

## Screw pump curve



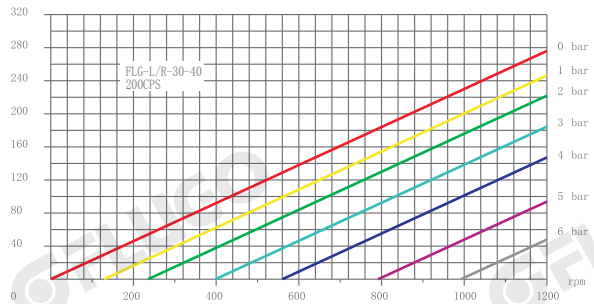
## Screw pump curve



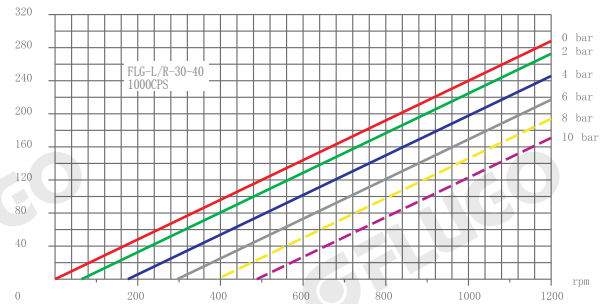


## Screw pump curve

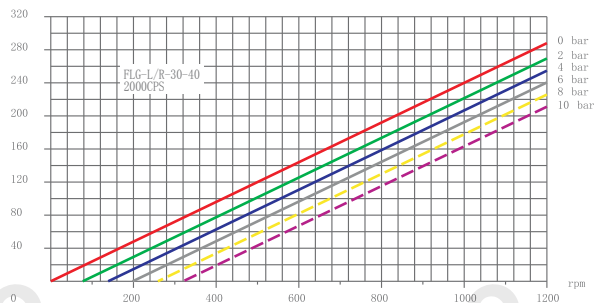
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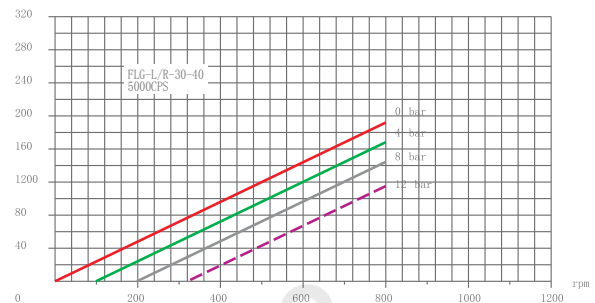
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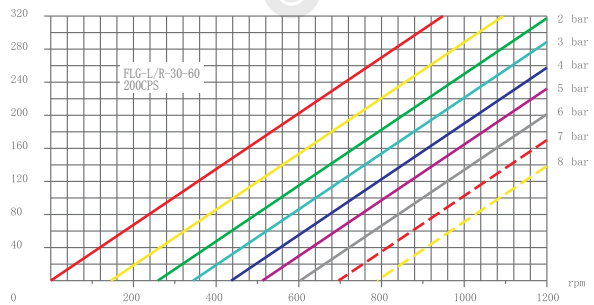
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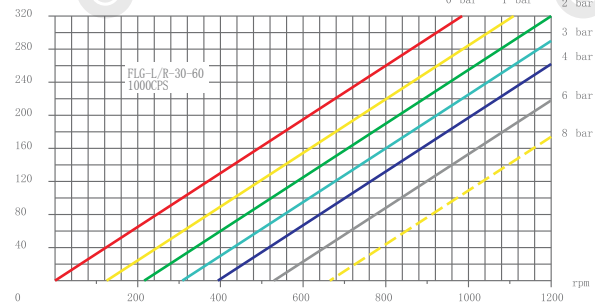
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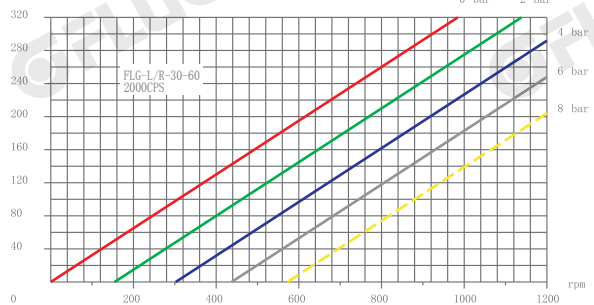
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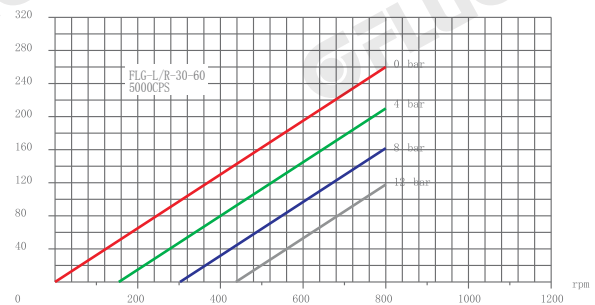
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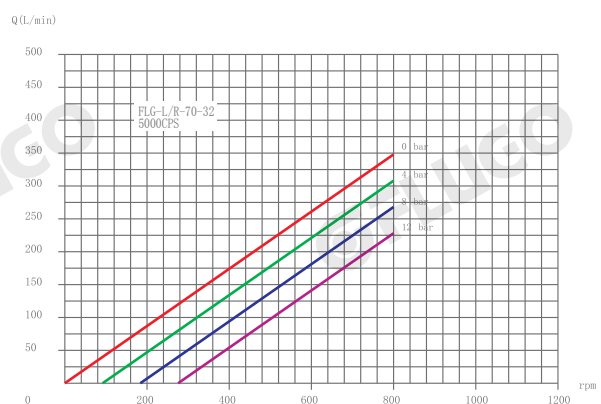
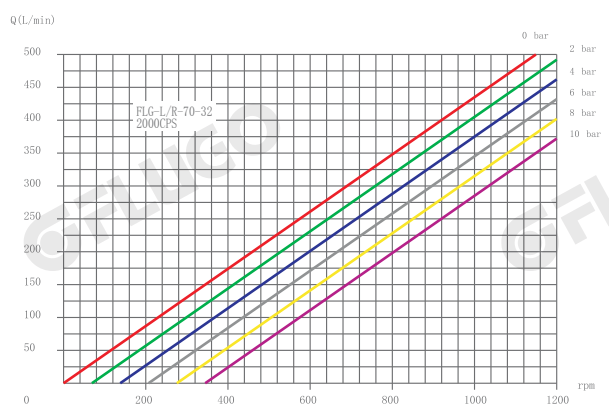
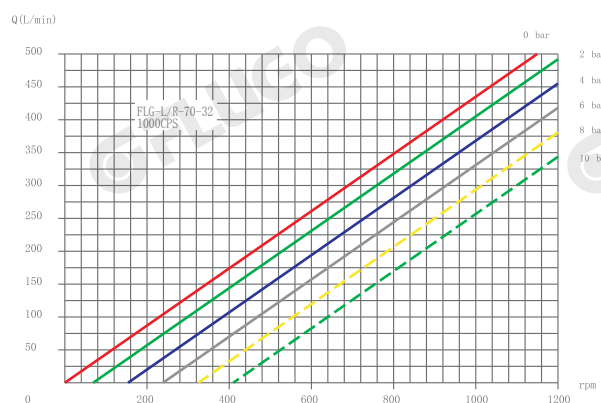
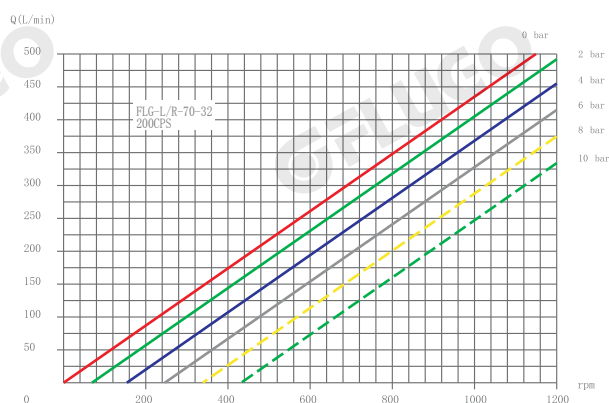
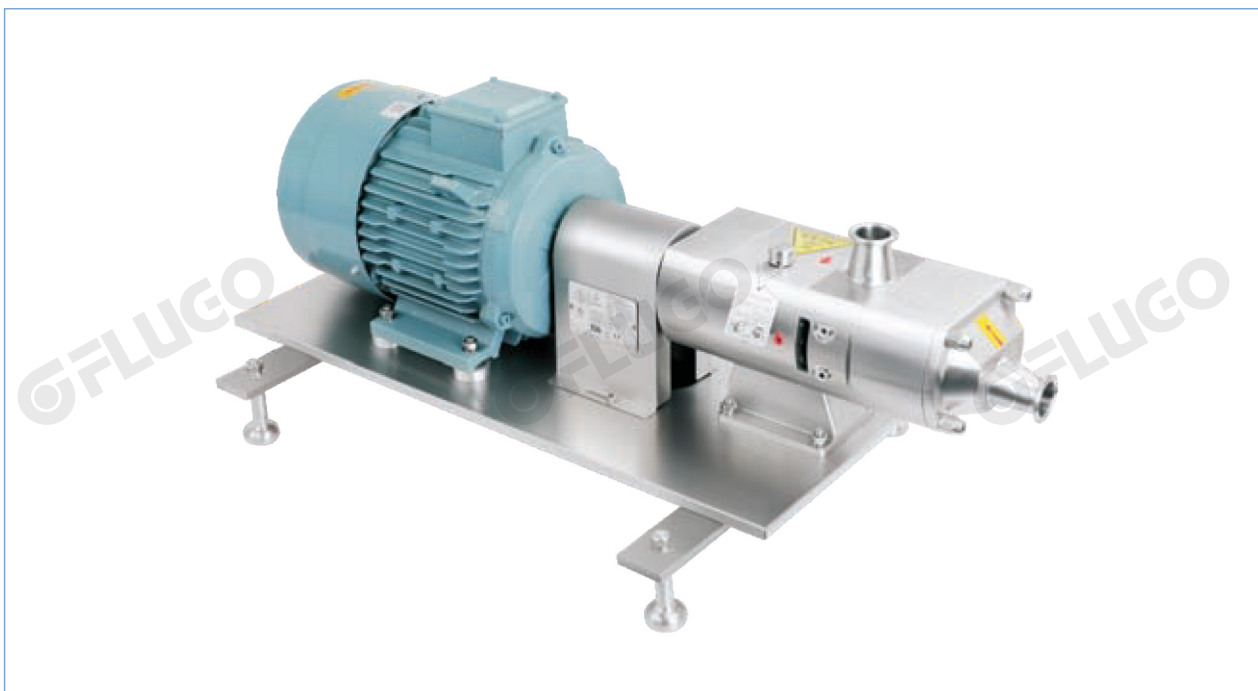


Q(L/min)

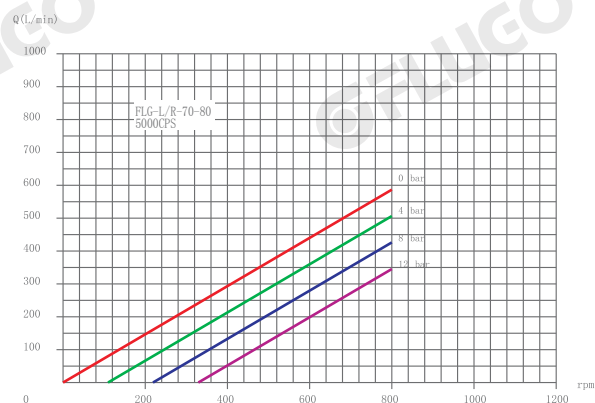
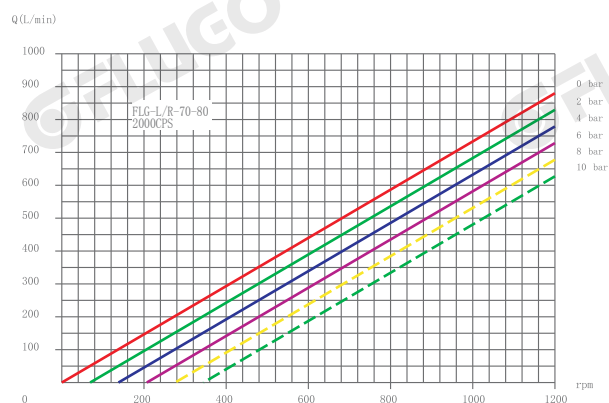
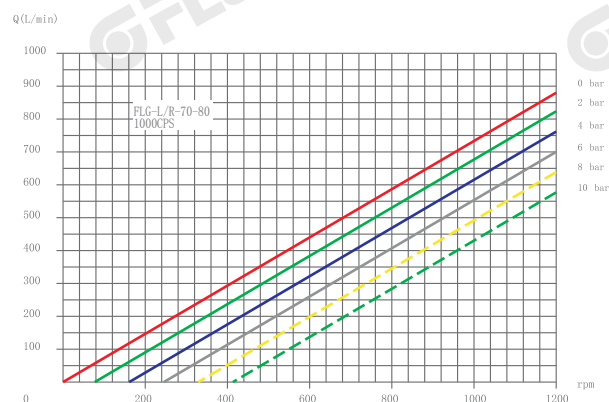
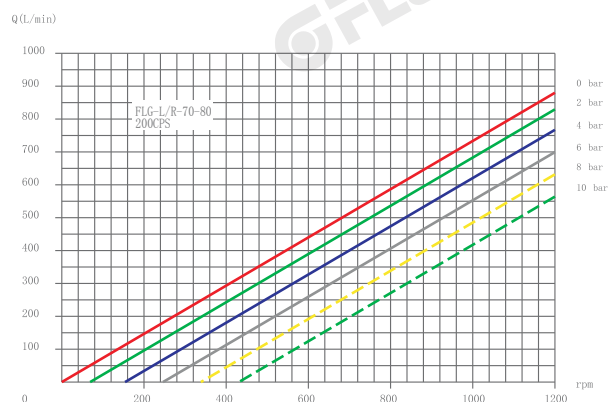
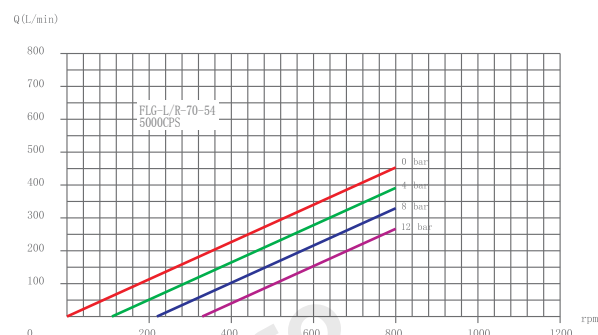
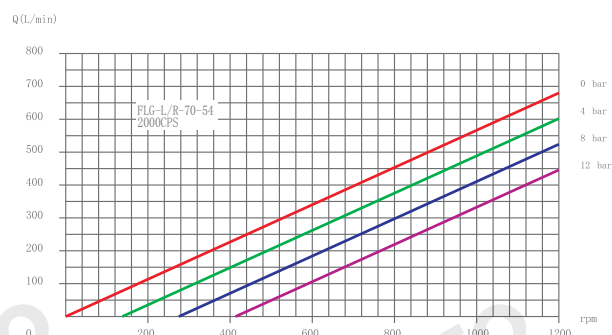
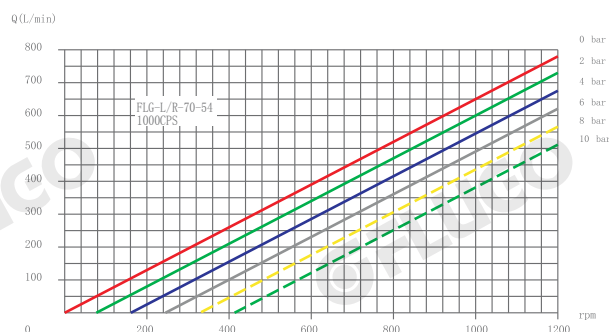
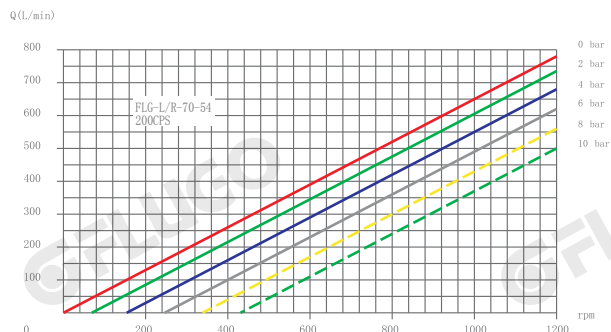


Q(L/min)





## Screw pump curve





FLG Series - Twin Screw Pump

