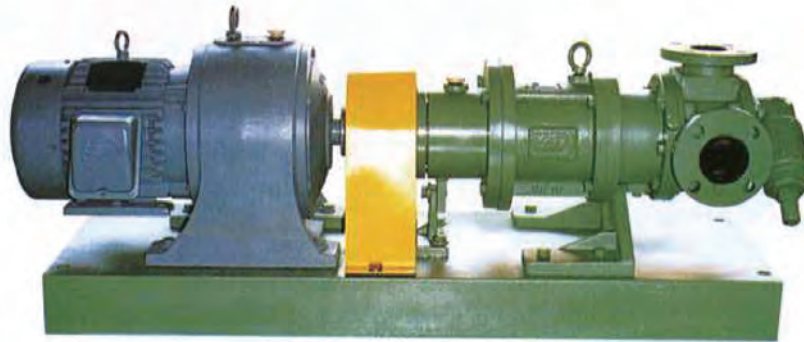


# KMGP

## MAGNETIC ROTARY GEAR PUMP

### 마그네틱 로터리 기어 펌프



#### ● 용도 Applications

- ▶ 석유 화학 (Petrochemical) : 원유(Crude Oil), 휘발유(Gasoline), 디젤유(Diesel), bunker유(Bunker oil), 윤활유(Lubricant oil), 열매체유(Heat treatment oil), 타르(Tar) 등
- ▶ 도료, 안료(Paints) : 페인트(Paint), 접착제(Glue), 라커(Lacquer), 에나멜(Enamel), 인쇄잉크(Dying ink) 등
- ▶ 용제(Solvent) : 아세톤(Acetone), 신나(Thinner), 벤졸(Benzol), 톨루엔(Toluene), DMF, MIBK 등
- ▶ 식품(Food) : 당밀(Molasses), 과당(Syrup), 꿀(Honey), 식용유(Palm oil), 버터(Butter), 설탕(Sugal), 초코렛(Chocolate) 등
- ▶ 의약품(Detergent) : 치약(Toothpaste), 샴푸(Shampoo), 포도당(Glucose) 등

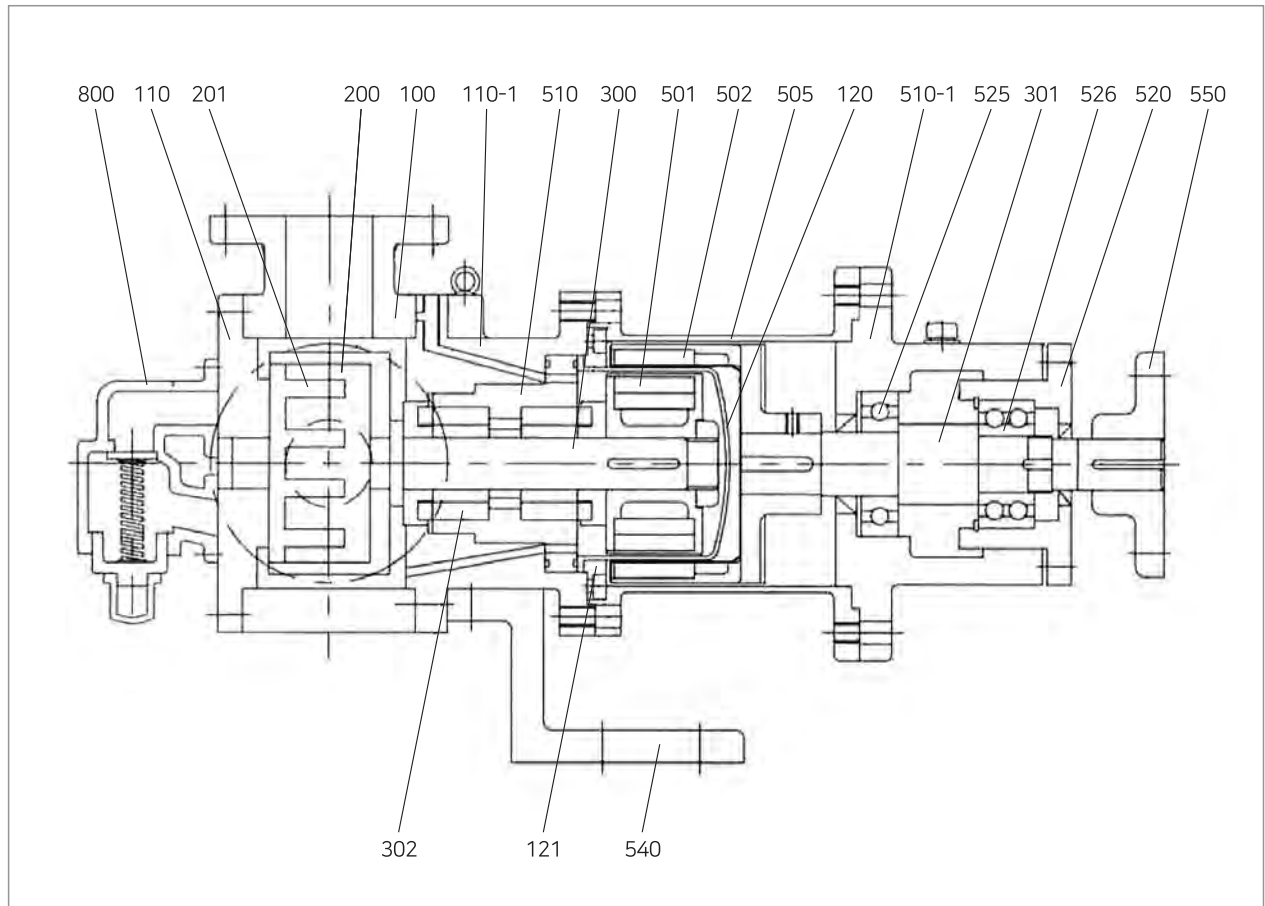
#### ● 특징 Features

- ▶ 누수가 전혀 없음 (No Leakage)
- ▶ 점도가 높은 액체 및 반고체의 액체도 이송 가능 (High viscosity and semisolid can be transported.)
- ▶ 정량의 액체 이송 가능 (Fixed quantity liquid transfer possible)

#### ● 선정표 Selection Chart

| MODEL   | DIAMETER(mm) |            | R.P.M | MACHINE OIL #120 25℃ |         |                     |          | 점도에 대한 적정회전수 |       |        |        |        |
|---------|--------------|------------|-------|----------------------|---------|---------------------|----------|--------------|-------|--------|--------|--------|
|         | SUCTION      | DIS-CHARGE |       | 2kg/cm <sup>2</sup>  |         | 5kg/cm <sup>2</sup> |          | UNIT : C.P   |       |        |        |        |
|         |              |            |       | ℓ / min              | KW(HP)  | ℓ / min             | KW(HP)   | 1,000        | 5,000 | 10,000 | 30,000 | 80,000 |
| KMGP-20 | 20           | 20         | 500   | 25                   | 0.75(1) | 20                  | 0.75(1)  | 500          | 330   | 250    | 150    | 50     |
| KMGP-25 | 25           | 25         | 450   | 40                   | 0.75(1) | 35                  | 1.5(2)   | 450          | 330   | 250    | 150    | 50     |
| KMGP-40 | 40           | 40         | 450   | 99                   | 1.5(2)  | 85                  | 2.2(3)   | 450          | 300   | 230    | 140    | 50     |
| KMGP-50 | 50           | 50         | 400   | 150                  | 2.2(3)  | 130                 | 3.7(5)   | 400          | 300   | 230    | 140    | 50     |
| KMGP-65 | 65           | 65         | 400   | 250                  | 3.7(5)  | 220                 | 5.5(7.5) | 400          | 300   | 230    | 140    | 50     |
| KMGP-80 | 80           | 80         | 400   | 400                  | 3.7(5)  | 350                 | 7.5(10)  | 380          | 280   | 210    | 130    | 40     |

## ● 구조도 Construction Diagram



| NO.   | DESCRIPTION        | MATERIALS |        |
|-------|--------------------|-----------|--------|
| 100   | CASING             | SC42      | SC42   |
| 110   | CASING COVER       | SC42      | SC42   |
| 110-1 | CASING COVER       | SC42      | SC42   |
| 120   | REAR CASING        | STS316    | STS316 |
| 121   | REAR CASING GLAND  | STS304    | STS304 |
| 200   | ROTOR GEAR         | SC42      | SC42   |
| 201   | IDLER GEAR         | SC42      | SC42   |
| 300   | SHAFT              | SM45C     | SM45C  |
| 301   | SHAFT              | SM45C     | SM45C  |
| 302   | MAIN BEARING       | SIC       | SIC    |
| 501   | INNER MAGNET DRIVE | STS316    | STS316 |

| NO.   | DESCRIPTION          | MATERIALS |       |
|-------|----------------------|-----------|-------|
| 502   | MAGNET COUPLING      | SC42      | SC42  |
| 505   | BRACKET              | GC200     | GC200 |
| 510   | MAIN BEARING HOUSING | SC42      | SSC13 |
| 510-1 | BEARING HOUSING      | GC200     | GC200 |
| 520   | BEARING CASE         | GC200     | GC200 |
| 525   | BEARING              | STB2      | STB2  |
| 526   | BEARING              | STB2      | STB2  |
| 540   | FOOT                 | GC200     | GC200 |
| 550   | COUPLING             | GC200     | GC200 |
| 800   | RELIEF VALVE         | GC200     | SSC13 |