



# MG120

Basınç 600 Bar  
Kapasite 42000 l/saat

## MG120 PERFORMANCE RANGE

| SPHERICAL type pump valves for viscose and moderately abrasive products |                  |                       | POPPET TYPE pump valves for low viscosity and moderately abrasive products |                       |                  | BALL TYPE pump valves for high viscosity and abrasive products and products containing solids |                       |                       |
|-------------------------------------------------------------------------|------------------|-----------------------|----------------------------------------------------------------------------|-----------------------|------------------|-----------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| Operating pressure                                                      | Maximum capacity | Eccentric shaft speed | Maximum capacity                                                           | Eccentric shaft speed | Maximum capacity | Maximum capacity                                                                              | Eccentric shaft speed | Eccentric shaft speed |
| 600 bar                                                                 | 0                | 0                     | 0                                                                          | 0                     | 8600 l/h         | 141                                                                                           | rpm                   |                       |
| 550 bar                                                                 | 11000 l/h        | 156 rpm               | 9500 l/h                                                                   | 136 rpm               | 9600 l/h         | 141                                                                                           | rpm                   |                       |
| 500 bar                                                                 | 12000 l/h        | 159 rpm               | 10500 l/h                                                                  | 141 rpm               | 10500 l/h        | 144                                                                                           | rpm                   |                       |
| 450 bar                                                                 | 13500 l/h        | 157 rpm               | 11600 l/h                                                                  | 136 rpm               | 11700 l/h        | 140                                                                                           | rpm                   |                       |
| 400 bar                                                                 | 14500 l/h        | 158 rpm               | 13000 l/h                                                                  | 143 rpm               | 12800 l/h        | 144                                                                                           | rpm                   |                       |
| 350 bar                                                                 | 16500 l/h        | 159 rpm               | 15000 l/h                                                                  | 146 rpm               | 14500 l/h        | 144                                                                                           | rpm                   |                       |
| 300 bar                                                                 | 18500 l/h        | 160 rpm               | 17000 l/h                                                                  | 148 rpm               | 16000 l/h        | 142                                                                                           | rpm                   |                       |
| 250 bar                                                                 | 23000 l/h        | 160 rpm               | 21000 l/h                                                                  | 148 rpm               | 19500 l/h        | 140                                                                                           | rpm                   |                       |
| 200 bar                                                                 | 27500 l/h        | 158 rpm               | 26000 l/h                                                                  | 151 rpm               | 23000 l/h        | 137                                                                                           | rpm                   |                       |
| 150 bar                                                                 | 36000 l/h        | 149 rpm               | 32000 l/h                                                                  | 134 rpm               | 32000 l/h        | 136                                                                                           | rpm                   |                       |
| 130 bar                                                                 | 42000 l/h        | 149 rpm               | 36000 l/h                                                                  | 129 rpm               | 36000 l/h        | 132                                                                                           | rpm                   |                       |

Weight 7000 kg



# MG124

Basınç 550 Bar  
Kapasite 44000 l/saat

## MG124 PERFORMANCE RANGE

| SPHERICAL type pump valves for viscose and moderately abrasive products |                  |                       | POPPET TYPE pump valves for low viscosity and moderately abrasive products |                       |                  | BALL TYPE pump valves for high viscosity and abrasive products and products containing solids |                       |                       |
|-------------------------------------------------------------------------|------------------|-----------------------|----------------------------------------------------------------------------|-----------------------|------------------|-----------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| Operating pressure                                                      | Maximum capacity | Eccentric shaft speed | Maximum capacity                                                           | Eccentric shaft speed | Maximum capacity | Maximum capacity                                                                              | Eccentric shaft speed | Eccentric shaft speed |
| 550 bar                                                                 | 11800 l/h        | 157 rpm               | 11000 l/h                                                                  | 148 rpm               | 10200 l/h        | 140                                                                                           | rpm                   |                       |
| 500 bar                                                                 | 13000 l/h        | 159 rpm               | 12000 l/h                                                                  | 148 rpm               | 11200 l/h        | 141                                                                                           | rpm                   |                       |
| 450 bar                                                                 | 14500 l/h        | 158 rpm               | 13500 l/h                                                                  | 149 rpm               | 12800 l/h        | 144                                                                                           | rpm                   |                       |
| 400 bar                                                                 | 16000 l/h        | 154 rpm               | 15000 l/h                                                                  | 146 rpm               | 14500 l/h        | 144                                                                                           | rpm                   |                       |
| 350 bar                                                                 | 18000 l/h        | 155 rpm               | 17000 l/h                                                                  | 148 rpm               | 15600 l/h        | 139                                                                                           | rpm                   |                       |
| 300 bar                                                                 | 21000 l/h        | 154 rpm               | 20000 l/h                                                                  | 148 rpm               | 18500 l/h        | 140                                                                                           | rpm                   |                       |
| 250 bar                                                                 | 25000 l/h        | 158 rpm               | 23000 l/h                                                                  | 147 rpm               | 21000 l/h        | 137                                                                                           | rpm                   |                       |
| 200 bar                                                                 | 32000 l/h        | 160 rpm               | 27500 l/h                                                                  | 139 rpm               | 27000 l/h        | 139                                                                                           | rpm                   |                       |
| 175 bar                                                                 | 36000 l/h        | 158 rpm               | 31000 l/h                                                                  | 138 rpm               | 30000 l/h        | 136                                                                                           | rpm                   |                       |
| 140 bar                                                                 | 42000 l/h        | 149 rpm               | 36000 l/h                                                                  | 129 rpm               | 36000 l/h        | 132                                                                                           | rpm                   |                       |

Weight 7200 kg

### İki Kademeli Homojenizasyon Valfi

Tipik iki kademeli homojenizasyon valfi dizaynı, tapa tipi ilk kademe ve kılavuz tipi ikinci kademe valfleri. Bu dizayn yüksek CIP gereksinimlerine cevap verebilecek şekildedir. Minimum parça kullanılmaktadır. Bakımı kolaydır.

### Two stage homogenising valve

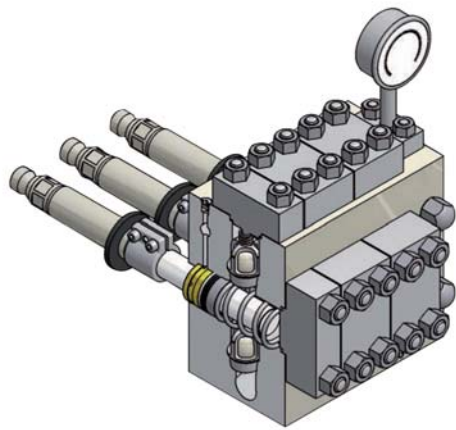
A typical two stage homogenising valve assembly with a plug type valve in the first stage and a pilot type valve in the second stage. This assembly meets the highest demand for C.I.P. cleaning, is easily accessible for maintenance and uses a minimum of parts.

### Silindir Bloğu

Dövme paslanmaz çelikten mamul yekpare silindir bloğu hassas olarak işlenmiştir, yüksek korozyon direncine sahiptir. Yekpare dizaynı sayesinde minimum parça ve conta bulunmaktadır, hijyeniktir, CIP temizliğine uygundur.

### Cylinder block

The pump block is a, one piece, precision machined block, made out of high strength corrosion resistant forged stainless steel. The one piece design utilizes a minimum of parts and seals, is fully sanitary and suitable for C.I.P.



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### Silindir Bloğu

Dövme paslanmaz çelikten mamul yekpare silindir bloğu hassas olarak işlenmiştir, yüksek çekme ve korozyon direncine sahiptir. Ön ve üst kapakları sayesinde kolaylıkla servis yapılabilir. Standart dizaynında su soğutmalı, yağlı piston paketi bulunmaktadır. Dizaynı minimum parça ve conta içerir, hijyeniktir, CIP temizliğine uygundur. Piston ve piston paketi zorlu koşullara cevap verebilecek farklı malzemelerden üretilmektedir. Proses ve ürün ihtiyaçlarına cevap verecek standart Poppet ve küresel pompa valflerinin yanında değiştirilebilir Rexalloy®™ pompa valf yatağı gibi bir çok opsiyon mevcuttur.

### Homojenizasyon Valfi

Çeşitli malzemelerden farklı dizaynlarda üretilmektedir. Tek veya çift kademeli dizayn edilmektedir. Rexalloy®™ dan mamul valf ve yatağı standart olarak düz imal edilmektedir. Uygulamaya bağlı olarak testere dişli yüzeyli (LW tipi) veya hücre koparma uygulamaları için bıçak ağızı tipinde imal

edilmektedir. Her bir valf en yüksek verimi elde etmek ve enerji tüketimini minimize etmek için özel olarak dizayn edilmiştir. Farklı valf tipleri standart olarak Rexalloy®™, Tungsten karbür, seramik ve bazı uygulamalar için elmas kaplı olarak üretilmektedir. Homojenizasyon basıncı manüel olarak el ayar kolu ile yada otomatik basınç kontrolüne müsaade eden hidrolik sistemle ayarlanmaktadır.

### Güç İletimi

Yekpare yüksek dayanımlı dökme demir dizayna entegre edilmiş dişli azaltma sistemli homojenizatör düşük eksantrik shaft hızlarında sorunsuz çalışır. Bağımsız yağ tankı mevcuttur, soğutma suyuna ihtiyaç duymaz. Sistemdeki rulmanlara bir pompa ile zorlanmış yağlama yapılmaktadır ve tam yükte %15 ila %100 arasında kapasite değişikliğine müsaade etmektedir. Ana hareket shaft ve eksantrik shaft büyük silindirik rulmanlar ile donatılmıştır. Çapraz kafalar kendi kendilerini ayarlayan bilyeli yataklarla donatılmıştır. Bu eşsiz konsept yüksek güvenlik sunmaktadır. Bakım gereksinimi minimumdur.

### The cylinder block

A single piece precision machined block made out of a high tensile, corrosion resistant, forged stainless steel. Built with front and upper caps giving easy access for inspection and maintenance. The standard design has spring loaded plunger packings with integrated water cooling. The design utilizes a minimum of parts and seals and is fully sanitary, suitable for C.I.P. Plungers and plunger packings are available in different materials to meet the toughest demands. Besides the standard poppet and ball type pump valves, always with field replaceable Rexalloy®™ pump valve seats there are many options available to meet specific product or process requirements.

### The homogenising valve

Available in a variety of designs and materials, single or two-stage, with the standard flat valve and seat in Rexalloy®™ but also with a serrated surface (LW type) or Knife edge for cell rupture applications. Each type specially designed to achieve the highest efficiency with the lowest energy consumption. The different valves designs are available in the standard Rexalloy®™ material, Tungsten Carbide, Ceramic and for some applications with diamond coating. The homogenising pressures can be adjusted manually with a handwheel or through a hydraulic control which also allows a completely automatic pressure control.

### The drive end

The one piece high strength cast iron design with integrated gear reduction provides a quiet running machine with low eccentric shaft speeds. The drive has a dry sump with a separate lubrication oil tank and does not require any cooling water. All bearings are pressure lubricated by an electric driven oil pump allowing capacity variation between 15-100% under full load. Both drive shaft and eccentric shaft have oversized roller bearings. The crossheads are designed with self adjustable, self aligning ball joint bearings. This unique concept offers unbeatable reliability, requires a minimum of maintenance and down time.



## MG<sub>2</sub>

Basınç 800 Bar  
Kapasite 30 - 1300 l/saat



## MG<sub>4</sub>

Basınç 700 Bar  
Kapasite 5000 l/saat



## MG<sub>14</sub>

Basınç 600 Bar  
Kapasite 11000 l/saat



## MG<sub>30</sub>

Basınç 600 Bar  
Kapasite 20500 l/saat

| MG2 PERFORMANCE TABEL                                                                               |                  |                       |                    |                                                                               |                  |                       |
|-----------------------------------------------------------------------------------------------------|------------------|-----------------------|--------------------|-------------------------------------------------------------------------------|------------------|-----------------------|
| MG2 with BALL TYPE pump valves for high viscosity/ abrasive products and products containing solids |                  |                       |                    | MG2 with SPHERICAL TYPE pump valves for low viscose and low abrasive products |                  |                       |
| Machine type                                                                                        | Maximum capacity | Eccentric shaft speed | Operating pressure | Machine type                                                                  | Maximum capacity | Eccentric shaft speed |
| MG2-800B                                                                                            | 90 l/h           | 223 rpm               | 800 bar            |                                                                               |                  |                       |
| MG2-600B                                                                                            | 120 l/h          | 207 rpm               | 600 bar            |                                                                               |                  |                       |
| MG2-500B                                                                                            | 145 l/h          | 213 rpm               | 500 bar            |                                                                               |                  |                       |
| MG2-400B                                                                                            | 180 l/h          | 228 rpm               | 400 bar            | MG2-400S                                                                      | 450 l/h          | 552 rpm               |
| MG2-350B                                                                                            | 210 l/h          | 204 rpm               | 350 bar            | MG2-350S                                                                      | 520 l/h          | 489 rpm               |
| MG2-275B                                                                                            | 260 l/h          | 199 rpm               | 275 bar            | MG2-275S                                                                      | 700 l/h          | 520 rpm               |
| MG2-200B                                                                                            | 350 l/h          | 217 rpm               | 200 bar            | MG2-200S                                                                      | 900 l/h          | 541 rpm               |
| MG2-175B                                                                                            | 400 l/h          | 205 rpm               | 175 bar            | MG2-175S                                                                      | 1050 l/h         | 522 rpm               |
| MG2-150B                                                                                            | 475 l/h          | 205 rpm               | 150 bar            | MG2-150S                                                                      | 1200 l/h         | 501 rpm               |
| MG2-140B                                                                                            | 500 l/h          | 199 rpm               | 140 bar            | MG2-140S                                                                      | 1300 l/h         | 500 rpm               |

| MG4 CAPACITY RANGE                                                                                  |                  |                       |                    |                                                                                |                  |                       |
|-----------------------------------------------------------------------------------------------------|------------------|-----------------------|--------------------|--------------------------------------------------------------------------------|------------------|-----------------------|
| MG4 with BALL TYPE pump valves for high viscosity/ abrasive products and products containing solids |                  |                       |                    | MG4 with SPHERICAL TYPE pump valves for viscose and moderate abrasive products |                  |                       |
| Machine type                                                                                        | Maximum capacity | Eccentric shaft speed | Operating pressure | Machine type                                                                   | Maximum capacity | Eccentric shaft speed |
| MG4-600B                                                                                            | 600 l/h          | 150 rpm               | 600 bar            |                                                                                |                  |                       |
| MG4-500B                                                                                            | 700 l/h          | 151 rpm               | 500 bar            | MG4-500S                                                                       | 900 l/h          | 188 rpm               |
| MG4-450B                                                                                            | 850 l/h          | 157 rpm               | 450 bar            | MG4-450S                                                                       | 1100 l/h         | 197 rpm               |
| MG4-400B                                                                                            | 950 l/h          | 157 rpm               | 400 bar            | MG4-400S                                                                       | 1400 l/h         | 224 rpm               |
| MG4-325B                                                                                            | 1200 l/h         | 156 rpm               | 325 bar            | MG4-325S                                                                       | 1750 l/h         | 221 rpm               |
| MG4-275B                                                                                            | 1350 l/h         | 159 rpm               | 275 bar            | MG4-275S                                                                       | 2000 l/h         | 228 rpm               |
| MG4-250B                                                                                            | 1500 l/h         | 158 rpm               | 250 bar            | MG4-250S                                                                       | 2200 l/h         | 224 rpm               |
| MG4-215B                                                                                            | 1800 l/h         | 157 rpm               | 215 bar            | MG4-215S                                                                       | 2600 l/h         | 220 rpm               |
| MG4-175B                                                                                            | 2200 l/h         | 161 rpm               | 175 bar            | MG4-175S                                                                       | 3200 l/h         | 227 rpm               |
| MG4-130B                                                                                            | 3000 l/h         | 161 rpm               | 130 bar            | MG4-130S                                                                       | 4200 l/h         | 219 rpm               |
| MG4-100B                                                                                            | 3600 l/h         | 158 rpm               | 100 bar            | MG4-100S                                                                       | 5500 l/h         | 234 rpm               |

Weight 800 kg

| MG14 PERFORMANCE RANGE                                                  |                  |                       |                                                                           |                       |                                                                                               |                       |
|-------------------------------------------------------------------------|------------------|-----------------------|---------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-----------------------|
| SPHERICAL type pump valves for viscose and moderately abrasive products |                  |                       | POPET TYPE pump valves for low viscosity and moderately abrasive products |                       | BALL TYPE pump valves for high viscosity and abrasive products and products containing solids |                       |
| Operating pressure                                                      | Maximum capacity | Eccentric shaft speed | Maximum capacity                                                          | Eccentric shaft speed | Maximum capacity                                                                              | Eccentric shaft speed |
| 600 bar                                                                 | 1500 l/h         | 177 rpm               | 0 l/h                                                                     | 0 rpm                 | 1250 l/h                                                                                      | 152 rpm               |
| 500 bar                                                                 | 2300 l/h         | 192 rpm               | 2100 l/h                                                                  | 177 rpm               | 1800 l/h                                                                                      | 155 rpm               |
| 450 bar                                                                 | 2600 l/h         | 195 rpm               | 2400 l/h                                                                  | 182 rpm               | 2000 l/h                                                                                      | 155 rpm               |
| 350 bar                                                                 | 3500 l/h         | 200 rpm               | 3200 l/h                                                                  | 184 rpm               | 2600 l/h                                                                                      | 153 rpm               |
| 300 bar                                                                 | 4000 l/h         | 209 rpm               | 3500 l/h                                                                  | 185 rpm               | 2900 l/h                                                                                      | 157 rpm               |
| 275 bar                                                                 | 4400 l/h         | 196 rpm               | 4100 l/h                                                                  | 185 rpm               | 3400 l/h                                                                                      | 156 rpm               |
| 200 bar                                                                 | 6000 l/h         | 198 rpm               | 5600 l/h                                                                  | 187 rpm               | 4600 l/h                                                                                      | 156 rpm               |
| 150 bar                                                                 | 8000 l/h         | 208 rpm               | 7000 l/h                                                                  | 184 rpm               | 5800 l/h                                                                                      | 156 rpm               |
| 125 bar                                                                 | 9600 l/h         | 201 rpm               | 9000 l/h                                                                  | 190 rpm               | 7000 l/h                                                                                      | 151 rpm               |

Weight 1600 kg

| MG30 CAPACITY RANGE                                                                                  |                  |                       |                    |                                                                                 |                  |                       |
|------------------------------------------------------------------------------------------------------|------------------|-----------------------|--------------------|---------------------------------------------------------------------------------|------------------|-----------------------|
| MG30 with BALL TYPE pump valves for high viscosity/ abrasive products and products containing solids |                  |                       |                    | MG30 with SPHERICAL TYPE pump valves for viscose and moderate abrasive products |                  |                       |
| Machine type                                                                                         | Maximum capacity | Eccentric shaft speed | Operating pressure | Machine type                                                                    | Maximum capacity | Eccentric shaft speed |
| MG30-600B                                                                                            | 3600 l/h         | 140 rpm               | 600 bar            | MG30-600S                                                                       | 4000 l/h         | 150 rpm               |
| MG30-550B                                                                                            | 4500 l/h         | 145 rpm               | 550 bar            | MG30-550S                                                                       | 5200 l/h         | 162 rpm               |
| MG30-500B                                                                                            | 5000 l/h         | 147 rpm               | 500 bar            | MG30-500S                                                                       | 5800 l/h         | 165 rpm               |
| MG30-450B                                                                                            | 5500 l/h         | 148 rpm               | 450 bar            | MG30-450S                                                                       | 6500 l/h         | 170 rpm               |
| MG30-400B                                                                                            | 6500 l/h         | 149 rpm               | 400 bar            | MG30-400S                                                                       | 7200 l/h         | 160 rpm               |
| MG30-350B                                                                                            | 7500 l/h         | 148 rpm               | 350 bar            | MG30-350S                                                                       | 8400 l/h         | 161 rpm               |
| MG30-300B                                                                                            | 8600 l/h         | 146 rpm               | 300 bar            | MG30-300S                                                                       | 9800 l/h         | 162 rpm               |
| MG30-250B                                                                                            | 9600 l/h         | 146 rpm               | 250 bar            | MG30-250S                                                                       | 11800 l/h        | 174 rpm               |
| MG30-200B                                                                                            | 12000 l/h        | 144 rpm               | 200 bar            | MG30-200S                                                                       | 14800 l/h        | 172 rpm               |
| MG30-150B                                                                                            | 16000 l/h        | 141 rpm               | 150 bar            | MG30-150S                                                                       | 19500 l/h        | 167 rpm               |

Weight 3000 kg



## MG<sub>3</sub>

Basınç 600 Bar  
Kapasite 4000 l/saat

| MG3 CAPACITY RANGE                                                                                  |                  |                       |                    |                                                                                |                  |                       |
|-----------------------------------------------------------------------------------------------------|------------------|-----------------------|--------------------|--------------------------------------------------------------------------------|------------------|-----------------------|
| MG3 with BALL TYPE pump valves for high viscosity/ abrasive products and products containing solids |                  |                       |                    | MG3 with SPHERICAL TYPE pump valves for viscose and moderate abrasive products |                  |                       |
| Machine type                                                                                        | Maximum capacity | Eccentric shaft speed | Operating pressure | Machine type                                                                   | Maximum capacity | Eccentric shaft speed |
| MG3-600B                                                                                            | 450 l/h          | 148 rpm               | 600 bar            | MG3-600S                                                                       | 500 l/h          | 160 rpm               |
| MG3-550B                                                                                            | 550 l/h          | 156 rpm               | 550 bar            | MG3-550S                                                                       | 600 l/h          | 165 rpm               |
| MG3-450B                                                                                            | 650 l/h          | 158 rpm               | 450 bar            | MG3-450S                                                                       | 800 l/h          | 189 rpm               |
| MG3-400B                                                                                            | 750 l/h          | 156 rpm               | 400 bar            | MG3-400S                                                                       | 900 l/h          | 182 rpm               |
| MG3-350B                                                                                            | 850 l/h          | 158 rpm               | 350 bar            | MG3-350S                                                                       | 1000 l/h         | 180 rpm               |
| MG3-250B                                                                                            | 1200 l/h         | 159 rpm               | 250 bar            | MG3-250S                                                                       | 1500 l/h         | 193 rpm               |
| MG3-200B                                                                                            | 1600 l/h         | 158 rpm               | 200 bar            | MG3-200S                                                                       | 2000 l/h         | 191 rpm               |
| MG3-150B                                                                                            | 1900 l/h         | 157 rpm               | 150 bar            | MG3-150S                                                                       | 2400 l/h         | 192 rpm               |
| MG3-115B                                                                                            | 2600 l/h         | 158 rpm               | 115 bar            | MG3-115S                                                                       | 3200 l/h         | 188 rpm               |
| MG3-90B                                                                                             | 3200 l/h         | 159 rpm               | 90 bar             | MG3-90S                                                                        | 4000 l/h         | 192 rpm               |

Weight 800 kg



## MG<sub>12</sub>

Basınç 600 Bar  
Kapasite 8500 l/saat

| MG12 PERFORMANCE RANGE                                                  |                  |                       |                                                                           |                       |                                                                                               |                       |
|-------------------------------------------------------------------------|------------------|-----------------------|---------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-----------------------|
| SPHERICAL type pump valves for viscose and moderately abrasive products |                  |                       | POPET TYPE pump valves for low viscosity and moderately abrasive products |                       | BALL TYPE pump valves for high viscosity and abrasive products and products containing solids |                       |
| Operating pressure                                                      | Maximum capacity | Eccentric shaft speed | Maximum capacity                                                          | Eccentric shaft speed | Maximum capacity                                                                              | Eccentric shaft speed |
| 600 bar                                                                 | 1400 l/h         | 174 rpm               | 0 l/h                                                                     | 0 rpm                 | 1100 l/h                                                                                      | 141 rpm               |
| 500 bar                                                                 | 1900 l/h         | 188 rpm               | 1800 l/h                                                                  | 180 rpm               | 1400 l/h                                                                                      | 143 rpm               |
| 425 bar                                                                 | 2200 l/h         | 174 rpm               | 2200 l/h                                                                  | 176 rpm               | 1800 l/h                                                                                      | 147 rpm               |
| 350 bar                                                                 | 2700 l/h         | 178 rpm               | 2700 l/h                                                                  | 180 rpm               | 2200 l/h                                                                                      | 149 rpm               |
| 300 bar                                                                 | 3200 l/h         | 177 rpm               | 3200 l/h                                                                  | 179 rpm               | 2600 l/h                                                                                      | 148 rpm               |
| 250 bar                                                                 | 3800 l/h         | 179 rpm               | 3800 l/h                                                                  | 181 rpm               | 3100 l/h                                                                                      | 150 rpm               |
| 200 bar                                                                 | 4800 l/h         | 182 rpm               | 4700 l/h                                                                  | 180 rpm               | 4000 l/h                                                                                      | 156 rpm               |
| 190 bar                                                                 | 5000 l/h         | 174 rpm               | 5000 l/h                                                                  | 176 rpm               | 4200 l/h                                                                                      | 151 rpm               |
| 175 bar                                                                 | 5500 l/h         | 182 rpm               | 5200 l/h                                                                  | 174 rpm               | 4500 l/h                                                                                      | 154 rpm               |
| 150 bar                                                                 | 6400 l/h         | 176 rpm               | 6400 l/h                                                                  | 178 rpm               | 5400 l/h                                                                                      | 153 rpm               |
| 115 bar                                                                 | 8400 l/h         | 185 rpm               | 8200 l/h                                                                  | 183 rpm               | 6700 l/h                                                                                      | 152 rpm               |

Weight 1500 kg



## MG<sub>18</sub>

Basınç 600 Bar  
Kapasite 15000 l/saat

| MG18 PERFORMANCE RANGE                                                  |                  |                       |                                                                           |                       |                                                                                               |                       |
|-------------------------------------------------------------------------|------------------|-----------------------|---------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-----------------------|
| SPHERICAL type pump valves for viscose and moderately abrasive products |                  |                       | POPET TYPE pump valves for low viscosity and moderately abrasive products |                       | BALL TYPE pump valves for high viscosity and abrasive products and products containing solids |                       |
| Operating pressure                                                      | Maximum capacity | Eccentric shaft speed | Maximum capacity                                                          | Eccentric shaft speed | Maximum capacity                                                                              | Eccentric shaft speed |
| 600 bar                                                                 | 3200 l/h         | 166 rpm               | 0 l/h                                                                     | 0 rpm                 | 2800 l/h                                                                                      | 150 rpm               |
| 550 bar                                                                 | 3800 l/h         | 181 rpm               | 3400 l/h                                                                  | 163 rpm               | 3100 l/h                                                                                      | 152 rpm               |
| 500 bar                                                                 | 4200 l/h         | 183 rpm               | 3800 l/h                                                                  | 167 rpm               | 3400 l/h                                                                                      | 153 rpm               |
| 430 bar                                                                 | 5000 l/h         | 186 rpm               | 4500 l/h                                                                  | 169 rpm               | 4000 l/h                                                                                      | 153 rpm               |
| 350 bar                                                                 | 6200 l/h         | 186 rpm               | 5600 l/h                                                                  | 169 rpm               | 5000 l/h                                                                                      | 154 rpm               |
| 300 bar                                                                 | 7200 l/h         | 188 rpm               | 6500 l/h                                                                  | 172 rpm               | 5800 l/h                                                                                      | 157 rpm               |
| 250 bar                                                                 | 8600 l/h         | 187 rpm               | 8000 l/h                                                                  | 175 rpm               | 7000 l/h                                                                                      | 157 rpm               |
| 200 bar                                                                 | 10600 l/h        | 185 rpm               | 10000 l/h                                                                 | 176 rpm               | 8200 l/h                                                                                      | 147 rpm               |
| 175 bar                                                                 | 12000 l/h        | 188 rpm               | 11000 l/h                                                                 | 175 rpm               | 9000 l/h                                                                                      | 146 rpm               |
| 150 bar                                                                 | 14000 l/h        | 181 rpm               | 13200 l/h                                                                 | 173 rpm               | 10600 l/h                                                                                     | 142 rpm               |

Weight 2300 kg



## MG<sub>45</sub>

Basınç 600 Bar  
Kapasite 25000 l/saat

| MG45 PERFORMANCE RANGE                                                  |                  |                       |                                                                           |                       |                                                                                               |                       |
|-------------------------------------------------------------------------|------------------|-----------------------|---------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-----------------------|
| SPHERICAL type pump valves for viscose and moderately abrasive products |                  |                       | POPET TYPE pump valves for low viscosity and moderately abrasive products |                       | BALL TYPE pump valves for high viscosity and abrasive products and products containing solids |                       |
| Operating pressure                                                      | Maximum capacity | Eccentric shaft speed | Maximum capacity                                                          | Eccentric shaft speed | Maximum capacity                                                                              | Eccentric shaft speed |
| 600 bar                                                                 | 6200 l/h         | 147 rpm               | 0 l/h                                                                     | 0 rpm                 | 5600 l/h                                                                                      | 137 rpm               |
| 550 bar                                                                 | 7000 l/h         | 155 rpm               | 6500 l/h                                                                  | 145 rpm               | 6200 l/h                                                                                      | 142 rpm               |
| 500 bar                                                                 | 8000 l/h         | 163 rpm               | 7500 l/h                                                                  | 154 rpm               | 6800 l/h                                                                                      | 143 rpm               |
| 450 bar                                                                 | 9000 l/h         | 163 rpm               | 8500 l/h                                                                  | 156 rpm               | 7600 l/h                                                                                      | 142 rpm               |
| 400 bar                                                                 | 10500 l/h        | 169 rpm               | 9500 l/h                                                                  | 154 rpm               | 8600 l/h                                                                                      | 143 rpm               |
| 350 bar                                                                 | 11500 l/h        | 165 rpm               | 11000 l/h                                                                 | 160 rpm               | 9600 l/h                                                                                      | 142 rpm               |
| 300 bar                                                                 | 13000 l/h        | 168 rpm               | 12000 l/h                                                                 | 156 rpm               | 10800 l/h                                                                                     | 144 rpm               |
| 250 bar                                                                 | 15500 l/h        | 163 rpm               | 14500 l/h                                                                 | 154 rpm               | 13000 l/h                                                                                     | 141 rpm               |
| 200 bar                                                                 | 20000 l/h        | 167 rpm               | 18500 l/h                                                                 | 156 rpm               | 16500 l/h                                                                                     | 142 rpm               |
| 150 bar                                                                 | 25000 l/h        | 148 rpm               | 24000 l/h                                                                 | 144 rpm               | 22000 l/h                                                                                     | 135 rpm               |

Weight 5000 kg