

**English translation.** This datasheet was translated from the manufacturer's original German document and may contain errors or omissions. For binding specifications, refer to the original manufacturer documentation or contact AES Waterblasters.

## KF-R Series - for recycled water

Specifications of the R versions are identical to the corresponding standard versions. They are fitted with special seals that permit operation with recycled water containing up to 20% solids, particle size < 200 µm.

### Construction

- Special high-pressure seals in PTFE-coated Kevlar® yarn
- Pump body made of an aluminium plain-bearing alloy
- Reversible gear drive with patented oil-cooling pockets
- Crankshaft in alloy steel: hardened, tempered and nitrided
- Crankshaft bearings: SKF roller bearings, generously sized
- Connecting rods: forged, plain-bearing mounted
- Crosshead guide pistons: ground and hard chrome-plated
- Pump head in stainless steel
- Plungers: solid ceramic (aluminium oxide)
- Valve assembly entirely in special stainless steel
- Pressure / flow ratings: see table

### Pressure / flow variants

| Model                   |              | KFR 28                         | KFR 30 | KFR 32 | KFR 36A | KFR 36B | KFR 36C | KFR 40 |
|-------------------------|--------------|--------------------------------|--------|--------|---------|---------|---------|--------|
| Flow rate               | <i>l/min</i> | 93                             | 106    | 120    | 122     | 137     | 153     | 170    |
| Max. operating pressure | <i>bar</i>   | 210                            | 200    | 180    | 160     | 140     | 130     | 110    |
| Drive speed             | <i>rpm</i>   | 1000                           | 1000   | 1000   | 800     | 900     | 1000    | 900    |
| Plunger stroke          | <i>mm</i>    | 50                             |        |        |         |         |         |        |
| Drive power             | <i>kW</i>    | 37.3                           | 40.5   | 41.3   | 37.0    | 37.0    | 38.0    | 35.7   |
| Max. inlet temperature  | <i>°C</i>    | 40                             |        |        |         |         |         |        |
| Max. inlet pressure     | <i>bar</i>   | 3                              |        |        |         |         |         |        |
| Pumped medium           |              | Water (other media on request) |        |        |         |         |         |        |
| Oil capacity            | <i>L</i>     | 3.8                            |        |        |         |         |         |        |
| Weight                  | <i>kg</i>    | 70                             |        |        |         |         |         |        |

Flow rate stated at 100% volumetric efficiency.

### Drive options

- Optional gearbox in three ratios: 1.25 : 1, 1.50 : 1, 1.83 : 1
- With flange for direct mounting of a hydraulic motor
- With hollow shaft for an SAE C hydraulic motor
- With second shaft stub as power take-off