

## 3LSF4 50-200/2.2

# Performance Curve

Pump Name

3LSF4 50-200/2.2

|          |            |            |           |
|----------|------------|------------|-----------|
| Customer | Date       | 10.06.2024 | Company   |
| Contact  | Item no.   |            | Issued by |
| Phone    | Project    |            | Phone     |
| E-mail   | Project ID |            | E-mail    |

## Requested data

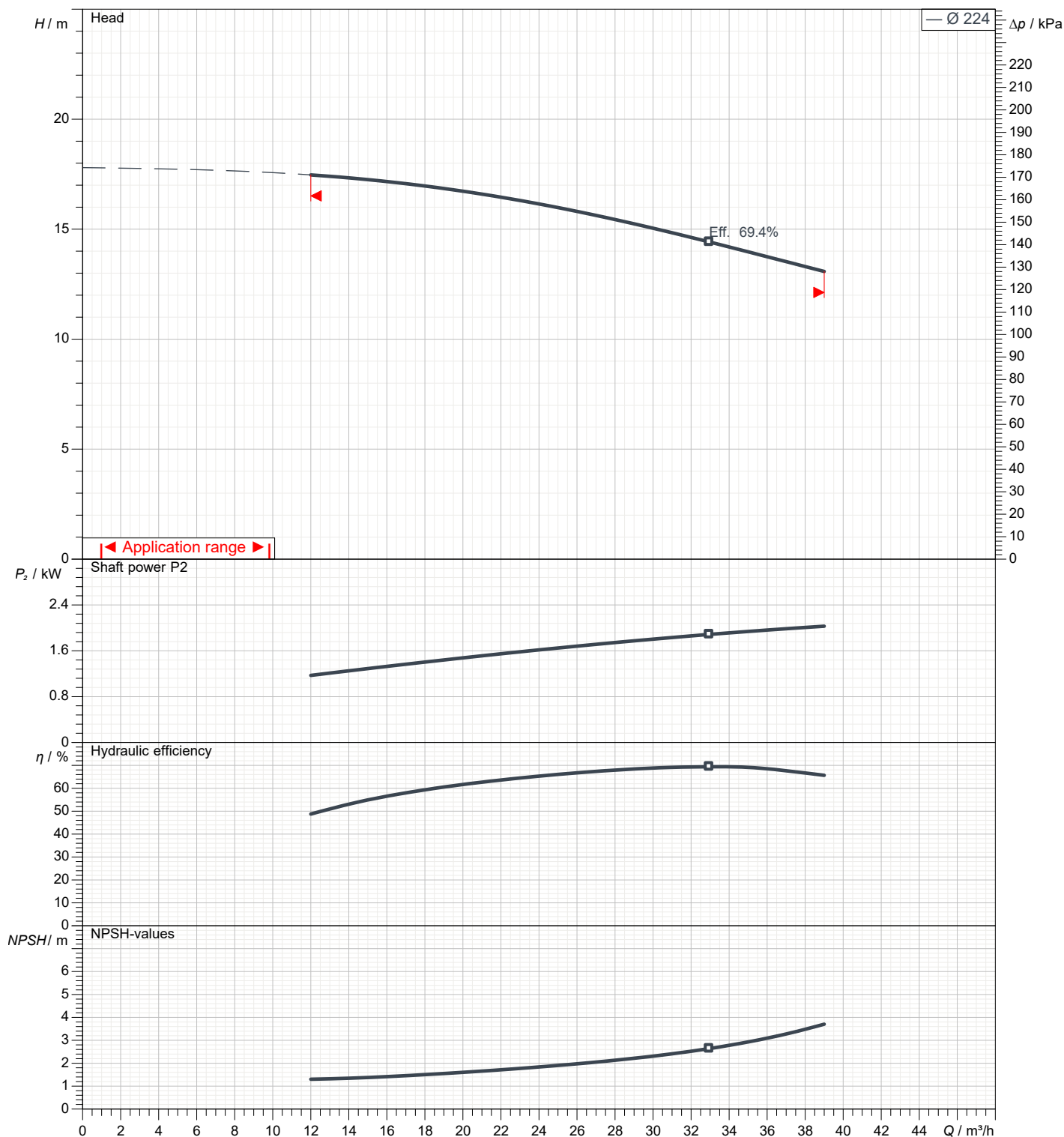
|   |               |      |  |
|---|---------------|------|--|
| 1 | Flow          | m³/h |  |
| 2 | Head          | m    |  |
| 3 | Geodetic head | m    |  |

## Pump

|                            |      |     |                 |     |      |
|----------------------------|------|-----|-----------------|-----|------|
| Operating flow             | m³/h |     | Frequency       | Hz  | 50   |
| Operating head             | m    |     | Number of poles |     | 4    |
| Impeller diameter designed | mm   | 224 | Speed           | rpm | 1400 |

Test standard: ISO 9906:2012 - Grade3B

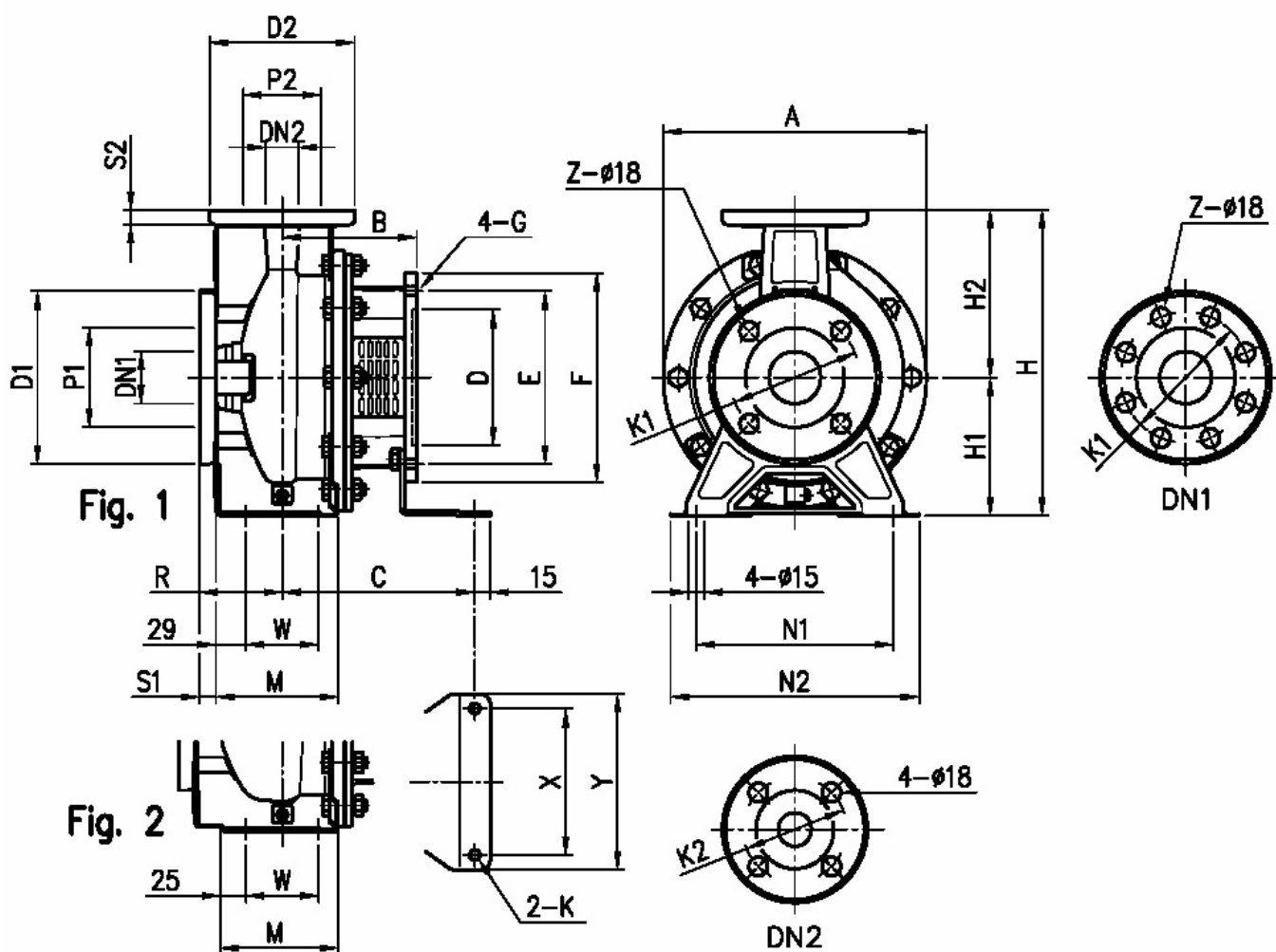
Water; 20°C; 998.3kg/m³; 1cSt



# Dimensions

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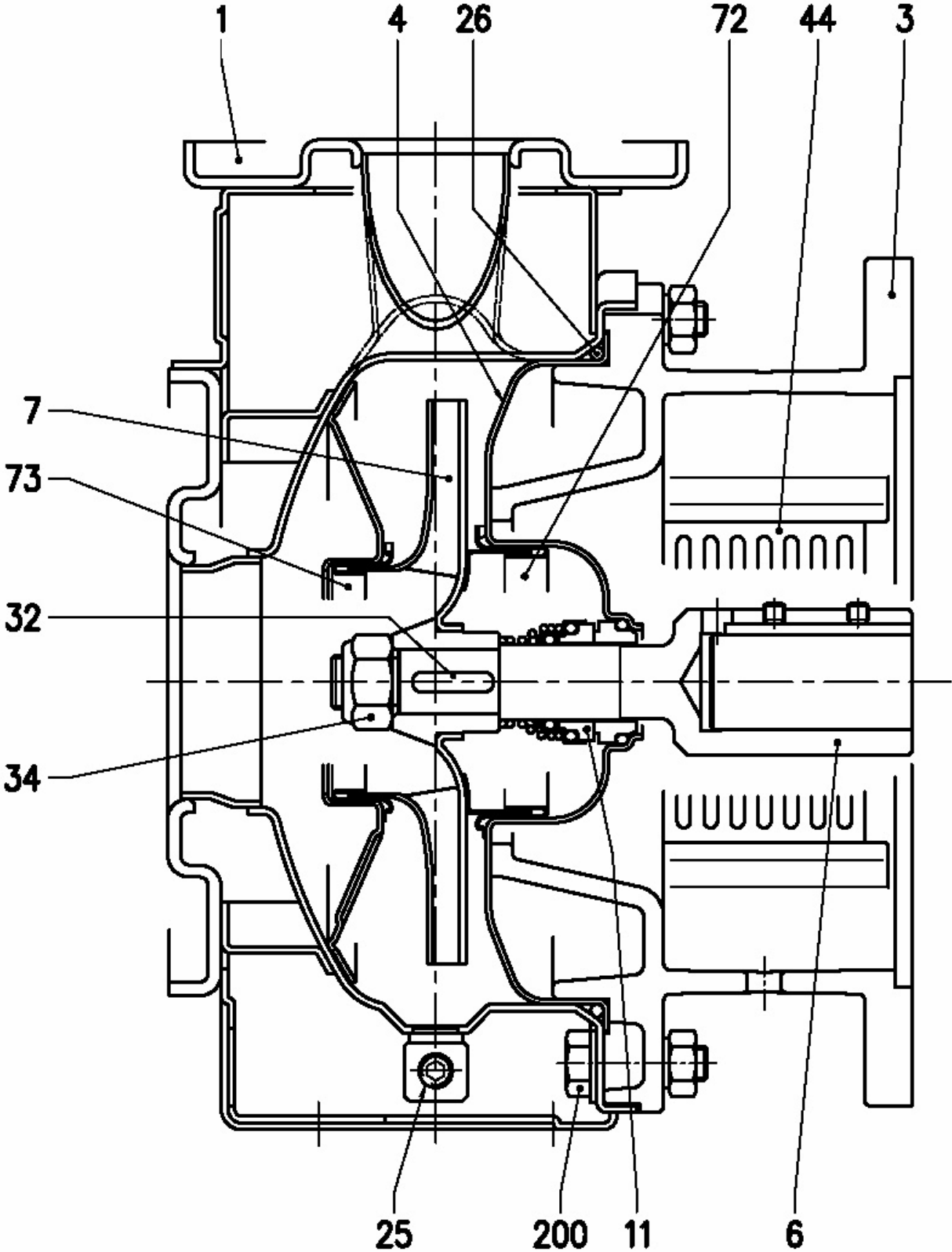


| Dimensions in mm |         |     |             |         |  |  |  |
|------------------|---------|-----|-------------|---------|--|--|--|
| 1                | Dia D1  | 185 | W           | 70      |  |  |  |
| 2                | Dia D2  | 165 | Weight PUMP | 29,5 kg |  |  |  |
| 3                | Dia DN1 | 65  | Z           | 4       |  |  |  |
| 4                | Dia DN2 | 50  |             |         |  |  |  |
| 5                | Dia K1  | 145 |             |         |  |  |  |
| 6                | Dia K2  | 125 |             |         |  |  |  |
| 7                | Dia P1  | 115 |             |         |  |  |  |
| 8                | Dia P2  | 95  |             |         |  |  |  |
| 9                | H       | 360 |             |         |  |  |  |
| 10               | H1      | 160 |             |         |  |  |  |
| 11               | H2      | 200 |             |         |  |  |  |
| 12               | M       | 115 |             |         |  |  |  |
| 13               | N1      | 212 |             |         |  |  |  |
| 14               | N2      | 265 |             |         |  |  |  |
| 15               | S1      | 16  |             |         |  |  |  |

(1/3)  
Construction

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(2/3)

## Construction

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| N°  | PART NAME                              |                                                                           | MATERIAL                               |                       | DIMENSIONS  | STANDARD      | Q.TY |
|-----|----------------------------------------|---------------------------------------------------------------------------|----------------------------------------|-----------------------|-------------|---------------|------|
|     |                                        |                                                                           | 3SF4                                   | 3LSF4                 |             |               |      |
| 1   | Casing                                 |                                                                           | EN 1.4301 (AISI 304)                   | EN 1.4404 (AISI 316L) |             |               | 1    |
| 3   | Motor bracket                          |                                                                           | Cast iron EN-G JL-200-EN 1561          |                       |             |               | 1    |
| 4   | Casing cover                           |                                                                           | EN 1.4301 (AISI 304)                   | EN 1.4404 (AISI 316L) |             |               | 1    |
| 6   | Coupling - Part in contact with liquid |                                                                           | EN 1.4301 (AISI 304)                   | EN 1.4404 (AISI 316L) |             |               | 1    |
| 7   | Impeller                               | 32, 40, 50                                                                | EN 1.4301 (AISI 304)                   | EN 1.4404 (AISI 316L) |             |               | 1    |
|     |                                        | 65-125/160/200                                                            | EN 1.4401 (AISI 316)                   |                       |             |               |      |
| 11  | Mechanical seal [3]                    |                                                                           | Carbon/Ceramic/NBR                     | SiC/SiC/FPM           |             |               | 1    |
| 25  | Drain plug                             |                                                                           | EN 1.4401 (AISI 316) / PTFE            |                       | R 1/8" L=8  | DIN 906       | 1    |
| 26  | "O" ring                               | 32-125, 40-125                                                            | NBR [4]                                | FPM [3]               | 158.11x5.34 | OR 6625       | 1    |
|     |                                        | 32-160, 40-160 ,<br>50-125, 65-125                                        |                                        |                       | 183.52x5.34 | OR 6720       |      |
|     |                                        | 32-200, 40-200,<br>50-160, 50-200,<br>65-160, 65-200                      |                                        |                       | 227.96x5.34 | OR 6895       |      |
|     |                                        |                                                                           |                                        |                       |             |               |      |
| 32  | Key                                    |                                                                           | EN 1.440 1 (AISI 316)                  |                       | 6x6x25      | UNI 6604      | 1    |
| 34  | Impeller nut                           | Other model                                                               | EN 1.4301 (AISI 304)                   | EN 1.4404 (AISI 316L) | M16x1.5     | UNI 7474      | 1    |
|     |                                        | 50-200/2.2                                                                |                                        |                       | M18x1.5     |               |      |
| 44  | Protection                             |                                                                           | EN 1.430 1 (AISI 304)                  |                       |             | EBARA DRAWING | 2    |
| 72  | Casing ring (not for 65 version) [1]   |                                                                           | EN 1.4301 (AISI 304)                   | EN 1.4404 (AISI 316L) |             |               | 1    |
| 73  | Casing ring (not for 65 version)       |                                                                           | EN 1.4301 (AISI 304)                   | EN 1.4404 (AISI 316L) |             |               | 1    |
| 200 | Screw                                  | 32-125, 40-125                                                            | Stainless steel A2 70 class ISO 3506/1 |                       | M 8x30      | UNI 5739      | 8    |
|     |                                        | 40-160, 40-200 ,<br>50-125, 50-160,<br>50-200, 65-125 ,<br>65-160, 65-200 |                                        |                       | M 10x35     | UNI 5739      |      |

[1] Only for version 32-200, 40-200, 50-160, 50-200

[2] N° for 1 unit=10 for 32-160, 40-160, 50-125, 65-125

N° for 1 unit=12 for 32-200, 40-200, 50-160, 50-200, 65-160, 65-200

[3] Special version: see CONSTRUCTION 3

[4] FPM for H-HS-HW-HSW version

EPDM for E version , Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG

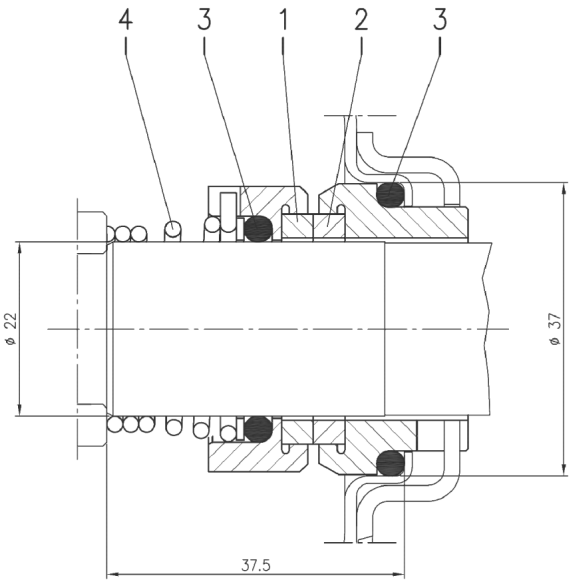
(3/3)

Construction

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| Version | Pump type                                                                      | Material                     |                          |             |                           |
|---------|--------------------------------------------------------------------------------|------------------------------|--------------------------|-------------|---------------------------|
|         |                                                                                | 1<br>Stationary<br>seal ring | 2<br>Rotary<br>seal ring | 3<br>Rubber | 4<br>Frame<br>+ spring    |
| L ø22   | 32-125/160/200<br>40-125/160/200<br>50-125/160/200<br>65-125/160/200<br>80-160 | SiC                          | SiC                      | FPM         | EN 1.4571<br>(AISI 316Ti) |