



MAXWOR

Focus on Excellence

PUMPS • SEALS • GASKETS • BLOWERS • EXPANSION JOINTS • HEAT EXCHANGERS
COOLING SYSTEMS • WATER HEATER TANKS • ACCUMULATION TANKS
BUFFER TANKS • EXPANSION TANKS • SEPERATORS

PRODUCT CATALOGUE
SEALS



- ✓ Reliability
- ✓ Sustainability
- ✓ Productivity
- ✓ High Quality
- ✓ Strong Sales Network
- ✓ Service Networks



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Maxwor Makina is the supplier needed by the leader companies in the sector with its engineering solutions and special products it produces.

Carry out in heating, cooling, transfer and storage of fluids; specializes in technology and process equipment manufacturing and offers sustainable solutions in these areas.

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S E A L S



- ✓ MECHANICAL SEALS
- ✓ COMPRESSION PACKINGS

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MECHANICAL SEALS

O - RING SEALS



Technical Specifications

- ✓ Single Seal
- ✓ Unbalanced
- ✓ Independent of Rotation Direction
- ✓ Leaf Spring
- ✓ EN 12756

Working Limits

Shaft Size : $d_1 = 8 \dots 100 \text{ mm}$
Pressure : $p_1 = 16 \text{ bar}$
Temperature : $t = -50 \dots 220^\circ\text{C}$
Speed : $v_g = 15 \text{ m/s}$

Axial Movement

$d_1 \leq 25 \text{ mm} \dots \pm 1.0 \text{ mm}$
 $28 \leq d_1 \leq 63 \text{ mm} \dots \pm 1.5 \text{ mm}$
 $d_1 \geq 65 \text{ mm} \dots \pm 2.0 \text{ mm}$

Material Combinations

Seal Face : Car/ CrNi /SiC/TuC
Seat : Car/ CrNi /SiC/TuC
Elastomers : FKM, NBR, EPDM, VMQ



ELASTOMER BELOW SEALS



Technical Specifications

- ✓ Single Seal
- ✓ Unbalanced
- ✓ Bellows Type
- ✓ Dependent on Rotation Direction
- ✓ En12756

Working Limits

Shaft Size : $d_1 = 8 \dots 100$ mm
Pressure : $p_1 = 16$ bar
Temperature: $t = -20 \dots 140^\circ\text{C}$
Speed : $v_g = 13$ m/s, 15 m/s

Material Combinations

Seal Face : Cer/Car/SiC/TuC
Seat : Cer/Car/SiC/TuC
Elastomers : FKM, NBR, EPDM



METAL BELOW SEALS



Technical Specifications

- ✓ Single Seal
- ✓ Balanced
- ✓ Metal Bellows
- ✓ Independent of Rotation Direction
- ✓ EN 12756

Working Limits

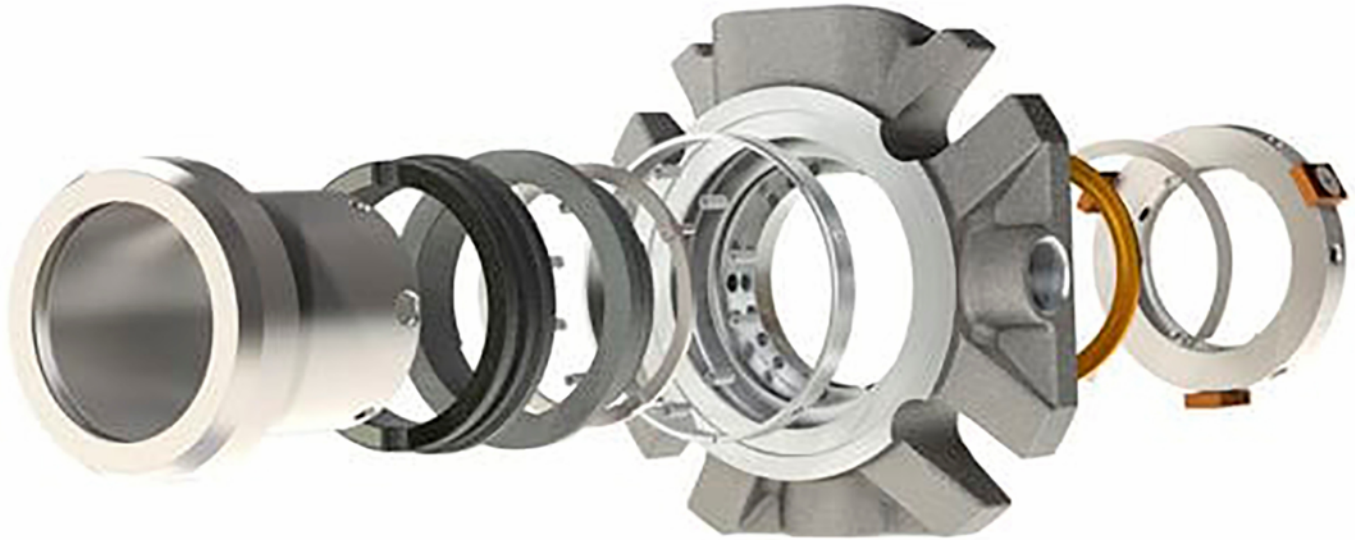
Shaft Size : $d_1 = 16 \dots 100$ mm
Pressure : $p_1 = 25$ bar
Temperature : $t = -40 \dots 220^\circ\text{C}$
Speed : $v_g = 20$ m/s

Material Combinations

Seal Face : Car/SiC
Seat : SiC
Elastomers : FKM



STANDARD CARTRIDGE TYPE SEALS



Technical Specifications

- ✓ Single Seal
- ✓ Cartridge type
- ✓ Balanced
- ✓ Independent of Rotation Direction

Working Limits

Shaft Size : $d1 = 25 \dots 100 \text{ mm}$
(Other sizes are made on request.)

Temperature: $t = -40 \dots 140^\circ\text{C}$

Kar/SiC Surface Combinations

Pressure : $p1 = 25 \text{ bar}$
Environmental Speed : $Vg = 16 \text{ m/s}$

SiC/SiC ve TuC/SiC Surface Combinations

Pressure : $p1 = 12 \text{ bar}$
Environmental Speed : $Vg = 10 \text{ m/s}$
Axial Movement : $\pm 1.0 \text{ mm}, d1 \geq 75 \text{ mm} \pm 1.5 \text{ mm}$

Advantages

- ✓ Ideally used in standard pump processes
- ✓ They are ideal seals for standardization
- ✓ Due to dynamically loaded O-ring, shaft is protected from damage in centrifugal pumps
- ✓ Long-Lasting Use
- ✓ Installation and assembly failure are prevented
- ✓ Low operational cost
- ✓ Dirt and dust cannot damage the seal during installation
- ✓ Pre-Installed seal group provides simple and easy installation and time loss reduced during installation
- ✓ Customized designed system



STANDARD MIXER TYPE SEALS



Technical Specifications

- ✓ Single - Double Seal
- ✓ For Top Driven Equipment
- ✓ Unbalanced
- ✓ Independent of Rotation Direction
- ✓ Flange Cooled
- ✓ Liquid Lubrication
- ✓ Cartridge Unit

Working Limits

Shaft Size : $d_1 = 40 \dots 100 \text{ mm}$
Temperature : $t = -80 \dots 350^\circ\text{C}$
Pressure : $p_1 = 6 - 16 \text{ bar}$
Environmental Speed: $V_g = 2 \text{ m/s}$

Advantages

- ✓ They are ideal seals for standardization
- ✓ Without bearing
- ✓ ATEX certificate available on request
- ✓ Self-closing feature in reverse pressure
- ✓ They are factory collected and tested products

COMPRESSION PACKINGS

**PURE PTFE
TEFLON PACKING**



**GRAPHITE
PTFE PACKING**



**SYNTHETIC
FIBER PACKING**



**CARBON
PACKING**



**RAMIE
FIBRE PACKING**



**KEVLAR
(ARAMID) PACKING**



**PATTERNED DESING
PACKING**



**PURE GRAPHITE
PACKING**



**WIRED PURE
GRAPHITE PACKING**



The background of the entire page is a photograph of an industrial refinery or chemical plant. Several tall, vertical distillation columns or towers are visible, each equipped with multiple levels of red metal ladders and platforms. The towers are interconnected by a complex network of yellow and blue pipes. The sky is overcast with grey clouds. In the foreground, a large, horizontal, silver-colored metal pipe is visible, curving slightly to the right.

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