

RELY ON EXCELLENCE

## SeccoMix R

Mechanical seals | Agitator seals | Dry running seals



### Features

- For top, side and bottom entry drives
- Dry running
- Nitrogen pressurized dual seal
- Rotating seat at product side
- Balanced
- Independent of direction of rotation

### Advantages

- Ready-to-fit and factory-tested units
- With or without bearing available
- Smooth surface, free of dead spaces
- No contamination of the product by barrier fluid
- Friction-locked connection to the shaft
- ATEX certification available on request

### Operating range

Shaft diameter:

$d_1 = 35 \dots 220 \text{ (300) mm (1.38" ... 8.66" (11.81")}$

Axial offset shaft/housing:  $d_1 = 35 \dots 60 \text{ mm (1.38" ... 2.36")}$ : max.  $\pm 1.5 \text{ mm (0.059")}$

$d_1 > 60 \text{ mm (2.36")}$ : max.  $\pm 2.0 \text{ mm (0.079")}$

Radial offset shaft/housing:

max.  $\pm 0.3 \text{ mm (0.012")}$

Pressure:  $p_1 = \text{Vacuum} \dots 6 \text{ bar (87 PSI)}$

Temperature:

$t_1 = -20 \text{ }^\circ\text{C} \dots +200 \text{ }^\circ\text{C} (-4 \text{ }^\circ\text{F} \dots +392 \text{ }^\circ\text{F})$

Sliding velocity:  $v_g = 0 \dots 2 \text{ m/s (0 ... 6 ft/s)}$

For applications beyond this range, please inquire.

! It should be noted that the extremal values of each operating parameter cannot be applied at the same time because of their interaction.

### Materials

Seal face: Carbon graphite, FDA conform

Seat: Silicon carbide, FDA conform

Secondary seals and metal parts according to application and customer's specifications.

### Standards and approvals

- FDA
- ATEX
- Compliant to TA Luft (German Clean Air Act)

### Notes

Options:

- Axial bellows expansion joint (shaft movement)
- Scraper (shaft movement)

### Recommended applications

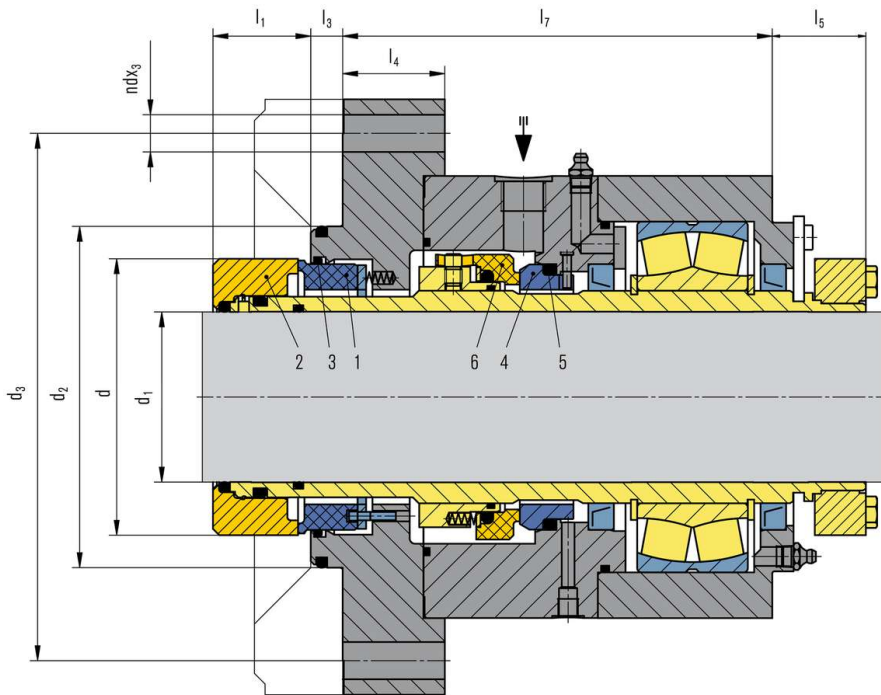
- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Food and beverage industry
- Agitators
- Mixers
- Kneaders
- Dryers
- Reactors

### Recommended piping plans

Gas supply

EagleBurgmann GSS4015/A400-D0  
for double seals SeccoMix R

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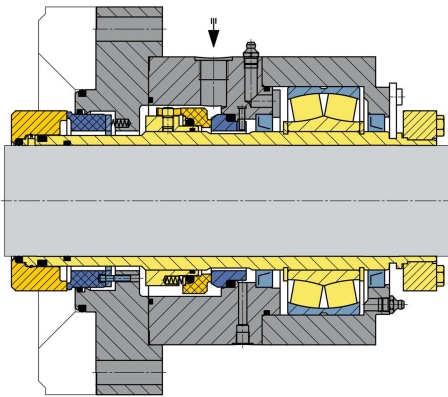


### Item Description

- |   |                            |
|---|----------------------------|
| 1 | Seal face, product side    |
| 2 | Seat, product side         |
| 3 | O-Ring, dynamic            |
| 4 | Seat, atmosphere side      |
| 5 | O-Ring                     |
| 6 | Seal face, atmosphere side |

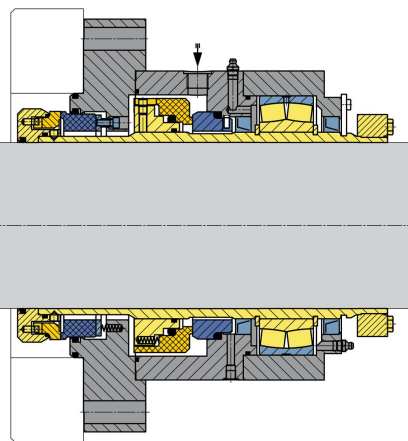
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### Product variants



#### SeccoMix R3

Dual seal with solid seat and integrated floating bearing  $d_1 \leq 140$  mm (5,51").  
As an option with fixed bearing or without bearing available.



#### SeccoMix R5

Dual seal with „hook-sleeve“ and integrated floating bearing  $d_1 > 140$  mm (5,51").  
As an option with fixed bearing or without bearing available.

### Dimensions

$d_1$	$d$	$l_1$	$d_2$	$l_3$	$d_3$	$n \times d_3$	$l_4$	$l_5$	$l_7$
35	68	43	105	13	148	8 x 13.5	35.5	20.5	141.0
45	82.7	43	119.5	13	166	8 x 13.5	43.0	26.0	149.5
50	90.0	43	119.5	13	190	8 x 17.5	40.5	28.5	165.0
60	100.0	43	134.5	14	200	8 x 17.5	41.0	28.0	173.0
80	130.0	46	160.5	15	248	8 x 17.5	48.0	34.0	212.0
100	150.0	49	181.5	12	264	8 x 22.0	54.0	33.5	219.0
120	172.0	49	209.5	12	293	8 x 22.0	52.0	40.0	232.0
140	195.0	49	224.5	12	338	12 x 22.0	52.0	39.5	251.5

Dimensions in millimeter