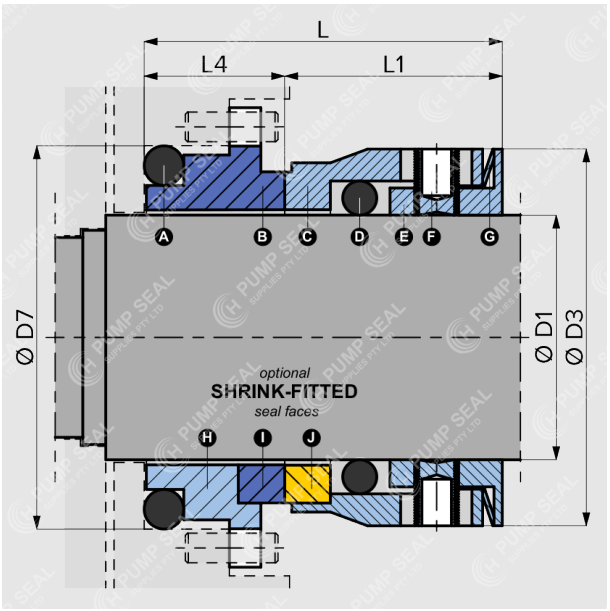
H87

'T87 / R90 - SINGLE SEAL'
SPECIFICATION SHEET





- **O-ring, Wave-Spring Pusher**
- **Compact, Bi-directional**
- **Suits Alfa Laval SRU Pumps**

H87 replaces the "R90" and "T87" mechanical seals found in Alfa Laval SRU Rotary Lobe Pumps, as well as older SSP - SR & NMOG Ranges.

The compact o-ring design relies on a wave-spring for axial compression and is set-screwed to the shaft. Slots in the stationary engages with the pump housing to provide anti-rotation.

Each pump requires two identical seals, one for each shaft.

Operating conditions[1]

Temperature:	-30°C to +260°C
Pressure:	< 10 bar, 145 psi, 1 MPa
Speed:	< 13m/s, 2500 fpm
	rpm < 780000/(3.14 x D1)

[1] Guide-values only (due to diversity of possible applications). Enquire for specific-use cases. Maximum values of each parameter cannot be applied together.

Material Options

Rotary Face:	316S.S or TC (SiC) or (TC)
Stationary Face:	CAB, SiC or TC (CAB), (SiC) or (TC)
Elastomers:	N, V or EP
Metal Parts:	316S.S

(_) refers to shrink-fitted

PARTS

- **A** Stationary O-ring
- **B** Stationary Face / Ring
- **C** Rotary Face / Ring
- **D** Rotary O-ring
- **E** Rotary Drive Collar
- **F** Rotary Set Screws
- **G** Rotary Wave-Spring
- **H** Stationary Holder
- **I** Stationary Face / Ring
- **J** Rotary Face / Ring

EQUIVALENT

Type 87 (EI/EC), T87
RTH87 / R90
Type 1682
W03SU

DIMENSIONS

D1 = Shaft Size
L1 = Rotary W.L.
D7 = Seat Cavity
L4 = Seat Height
D3 = Rotary OD
L = Overall W.L.

D1	D3	D7	L4	L1	L
20mm	32.4	30.00	10.5	19.5	30.5
30mm	44.0	41.30	11.1	21.4	32.5
35mm	50.8	46.95	12.0	22.0	34.0
45mm	62.4	58.25	12.6	22.9	35.5
55mm	76.0	69.55	13.2	29.3	42.5
75mm	99.2	92.15	14.4	31.1	45.5

PUMP COMPATIBILITY

Replaces the mechanical seals in Alfa Laval® pumps:

SR & SRU Ranges:
Replaces the OEM "T87" & "R90" mechanical seals

NMOG, LKPL, TSR & GHPD Ranges:
Replaces the OEM "T87" & "R90" mechanical seals

OEM names, brands, model or part numbers are used solely for reference. Our components are engineered to deliver performance and service life equivalent to or exceeding that of OEM parts when correctly installed and appropriately applied. Alfa Laval® is a registered trademark of its respective company. Pump Seal Supplies Pty Ltd are not representative of, nor affiliated with Alfa Laval®

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