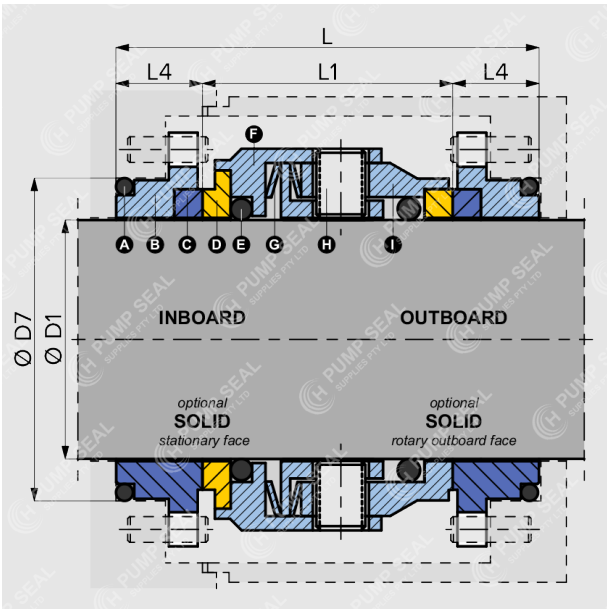
H87D

'T87 / R90 - DOUBLE SEAL'
SPECIFICATION SHEET





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

H87D replaces the "R90" and "T87" double mechanical seals found in Alfa Laval SRU Rotary Lobe Pumps, as well as older SSP - SR & NMOG Ranges.

A H87 base with an added inboard face holder allows back-to-back mounting and containment of a high pressure lubricating barrier fluid.

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

- **Operating conditions**[1]

Temperature:	-30°C to +260°C
Pressure:	< 17 bar, 245 psi, 1.7 MPa
Speed:	< 20m/s, 4000 fpm
	rpm < 1200000/(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**

Seal Faces:	all (TC) or (SiC)
Elastomers:	N, V or EP
Metal Parts:	316S.S

(_) refers to shrink-fitted other combinations available on enquiry

PARTS

A Inb. Stationary O-ring
B Inb. Stationary Holder
C Inb. Stationary Face
D Inb. Rotary Face
E Inb. Rotary O-ring
F Inb. Rotary Holder
G Inb. Wave Spring
H Set Screws
I H87 Base

EQUIVALENT

Type 87 D(EI/EC), T87D
RTH87 / R90
Type 1694
W03SU

DIMENSIONS

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

D1	D7	L4	L1	L
20mm	30.00	10.5	28.5	49.5
30mm	41.30	11.1	30.8	53.0
35mm	46.95	12.0	31.5	55.5
45mm	58.25	12.6	33.3	58.5
55mm	69.55	13.2	43.1	69.5
75mm	92.15	14.4	46.2	75.0

PUMP COMPATIBILITY

Replaces the double mech. seals in Alfa Laval® pumps:

SR & SRU Ranges:
Replaces the OEM "T87D" & "R90" double mechanical seals

NMOG, LKPL, TSR & GHPD Ranges:
Replaces the OEM "T87D" & "R90" double 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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