

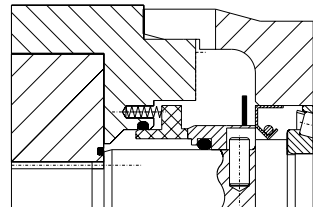


OPTIONS	R2S	R2L	R3S	R3L	R4
<u>Product seals - Single mechanical</u>					
Carbon inserted/stainless steel	S	S	S	S	S
Carbon inserted/silicon carbide	O	O	O	O	O
Silicon carbide/silicon carbide	O	O	O	O	O
Tungsten Carbide / Tungsten Carbide	O	O	O	O	O
Flushing	-	O	O	O	O
<u>Packed Gland</u>					
Sleeves hard chrome plated	-	S	-	S	S
Sleeves stellite	-	O	-	O	O
Lantern ring	-	O	-	O	O
<u>Other Seals</u>					
Single "O" Ring	O	O	O	O	O
Double "O" Ring	O	O	O	O	O
Din 24960	-	O	-	O	O
Double mechanical	-	O	-	O	O
Lip seal	-	O	-	O	O
<u>Rotor forms</u>					
Tri-lobe	S	S	S	S	S
Bi-lobe	O	O	O	O	O
<u>General</u>					
Pressure Relieve Valve	O	O	O	O	O
Front cover jacket	O	O	O	O	O
Rotor case jacket	O	O	O	O	O
Sealed splines	S	S	S	S	S
<u>Lubrication</u>					
Oil	O	O	O	O	S
Grease	S	S	S	S	-
<u>Ports</u>					
Screwed	S	S	S	S	S
Flanged	O	O	O	O	O
Rectangular	O	O	O	O	O

S = Standard
O = Option

SHAFT SEALS

All main seal arrangements can be fitted to pumps without alteration



HYGENIC SEAL

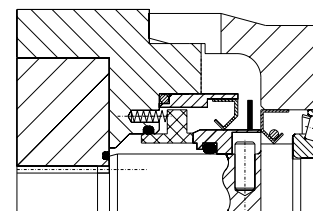
Open throated mechanical seal easily cleaned resisting product build up.

Face combinations :

Carbon vs Stainless Steel
Carbon vs Silicon Carbide
Silicon Carbide vs Silicon Carbide
Tungsten Carbide vs Tungsten Carbide

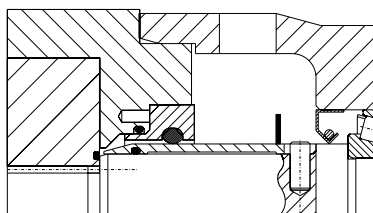
Elastimers :

EPDM
Nitrile
Viton
Kelrez



FLUSHED MECHANICAL SEAL

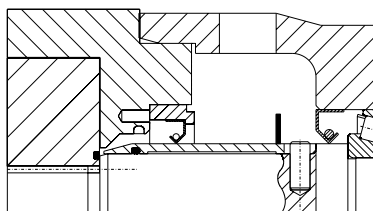
Creates a liquid barrier between product and atmosphere, removing deposit and build up around seal exterior. Use on vacuum or dry running applications. Max flush pressure : 70 kPa (10 PSI)



'O' RING SEAL

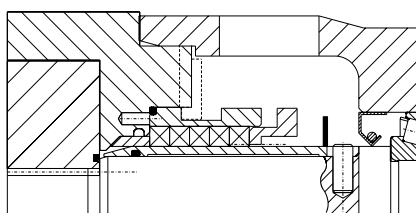
Operating on a reversible sleeve. Simple to replace and maintain.

Also available in double form for flushing or grease packing.



LIP SEAL

Also available in double form grease packed.



PACKED GLAND

Applications where some product seepage can be accepted

OPTIONS :

Hard sleeve
Lantern ring for fusing or grease packing

DIN 2490

Enclosure to accommodate standard short version unbalanced seals to this standard.

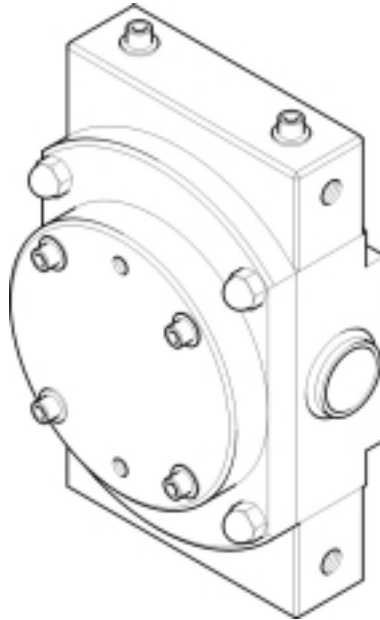
OTHERS

Double mechanical seals for high pressure barrier.
Proprietary seals.

OPTIONS - HEATED PUMP HEAD

Pump head casing and front cover jackets suitable for water, oil or steam. Connections ¼" BSP or NPT. Maximum pressure 300 kPa (45 PSI). The jacket can be used separately. For temperatures over 90 degrees C both should be fitted.

NOTE: Solidification of product within the pump can result in overload on start-up and damage to shaft seals.



MOUNTING/DRIVES

MODELS R2 & R3 - These pumps are designed to give the maximum flexibility of mounting, having bolting points both top and bottom of the gear housing enabling existing installations to be replaced with a wide range of base options obtainable. The standard feet (optional) are illustrated on the dimensional drawing in (Section C page 1.2. – PLEASE CHECK SECTION REFERENCES ?!?!)

MODELS R4 - These pumps have feet integral to the gear housing, which can be inverted to give alternative shaft height. Brackets are available for side mounting directly beneath feed tanks etc.

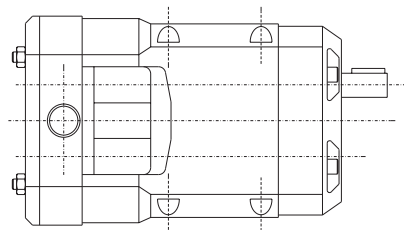
DRIVE ASSEMBLIES - In addition to bare shafted pumps, units can be supplied complete on base plate with any of the following drive systems:

1. GEARED MOTORS

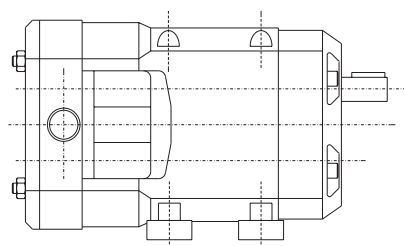
- a. **Variable Speed Drives**
Manual; Hydraulic; Electrical; Electronic; Pneumatic;
- b. **Belt Drive**
Fixed; Variable
- c. **Hydraulic Motor**
- d. **Pneumatic Motor**

R2 & R3 MOUNTING OPTIONS

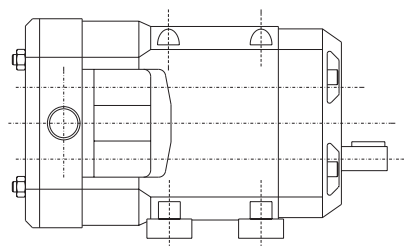
DIRECT MOUNTING
SIDE VIEW



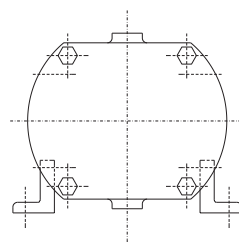
TOP SHAFT DRIVE
SIDE VIEW



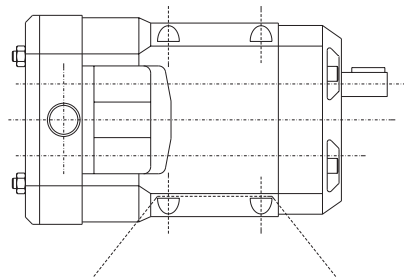
BOTTOM SHAFT DRIVE
SIDE VIEW



VERTICAL PORTS
FRONT VIEW



TO SUIT EXISTING
INSTALLATION
SIDE VIEW

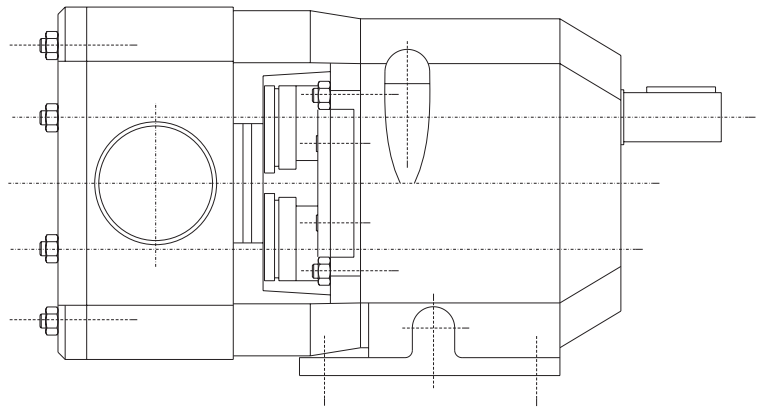




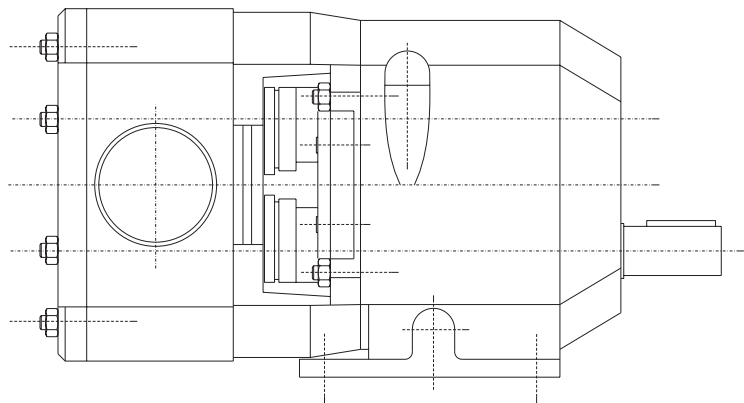
Franklin Electric

R4 MOUNTING OPTIONS

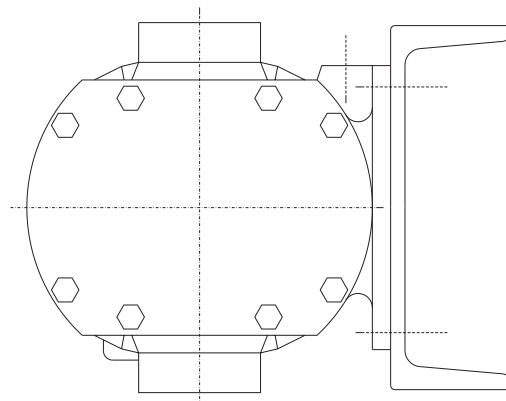
TOP SHAFT DRIVE
SIDE VIEW



BOTTOM SHAFT DRIVE
SIDE VIEW



VERTICAL PORTS
FRONT VIEW



OPTIONS - PRESSURE PROTECTION VALVE

With the positive action of the pump, rapid increases in pressure can occur due to restrictions in the discharge line or increase in viscosity. To protect the pump, its drive and inline equipment, precautions must be taken to either relieve the pressure by stopping the pump or diverting the flow.

A pressure relief valve may be incorporated in the pump's front cover for spring or pneumatic operation.

Available on all models , various pressure settings are obtainable dependent on the number of coil springs fitted. (See Section G Page 9.1 for settings)

