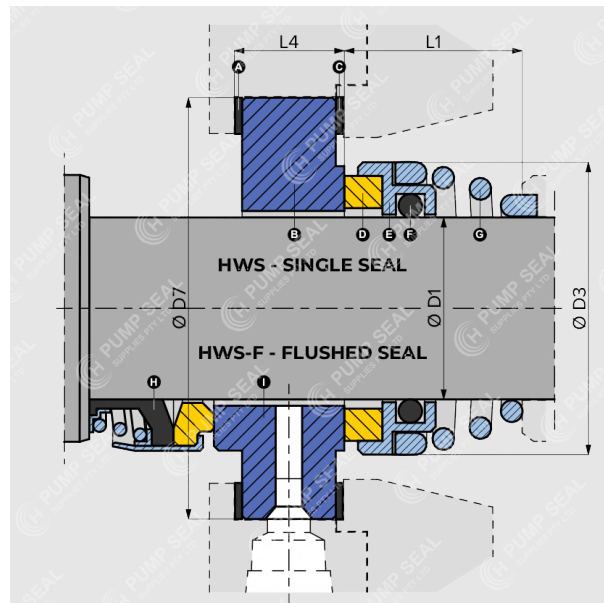


HWS

'APV WS - SINGLE & DOUBLE FLUSH SEAL'
SPECIFICATION SHEET

*single seal configuration shown



- **Single or Flushed Seals**
- **Suits Rosista W Range**
- **Outphased APV® W Pumps**

HWS (single) and HWS-F (flushed) are designed to replace the mechanical seals fitted to outphased APV® W or "World" Series centrifugal pumps. Based on Rosista's "W" range prior to acquisition. Not to be confused with newer, W+ range.

HWS & HWS-F share the same in-board o-ring mounted rotary, driven by a legged spring. The HWS stationary is of a monolithic block-type designed to be clamped-in with additional sealing gaskets.

► Flushed Seal

The HWS-F stationary is double-sided, allowing for an additional external cyclam seal (H) with port hole allowing running of a lubricating fluid.



► Material options:

Rotary Face: (CAB) or (SiC)
 Stationary Face: SiC
 External Seal: CAB/N
 Gaskets & O-rings: EPDM

(_) refers to shrink-fitted

PARTS

- A Stationary Gasket
- B Stationary Face / Ring
- C Stationary Gasket
- D Rotary Face / Ring
- E Rotary Holder
- F Rotary O-Ring
- G Rotary Spring
- H (HWS-F) External Seal
- I (HWS-F) Ported Seat

EQUIVALENT

TOW / TOWU
Type 16

TOWD / TOWDU
Type 16.DOUB

PUMP COMPATIBILITY

Replaces the shaft seal in APV "W" range pumps:

Single Seal:

Replaces the **OEM part numbers**:
179644, 179645, 179650, 179651

Flushed Seal:

Replaces the **OEM part numbers**:
179656, 179657, 179662, 179663