

# Seal Conversions

Mechanical Seal Conversions for the Weir Warman® AH  
Range of Heavy Duty Slurry Pumps



- Bespoke designs
- Modular construction
- Ease of installation
- Ease of selection
- Self-aligning seal faces
- Cartridge design
- Pre-set unit for reliable installation

# Mechanical seal conversions for heavy duty slurry pumps

## Adaptive Hardware

- Australian backplates are sourced from Weir Australia, if sourced from AESSEAL® this will be a special item
- UK/EU/ZA backplates are sourced from Weir UK/Europe/South Africa, AESSEAL® adaptive hardware can be found on the seal drawings notes section and is not inventoried, contact the AESSEAL® Technical department for price and lead time



**316L SS Adaptive Hardware**  
(only for the UK/EU/SA variant)

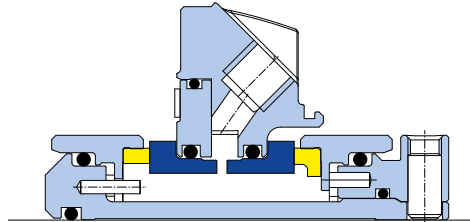


**Super duplex Adaptive Hardware**  
(only for the UK/EU/SA variant)

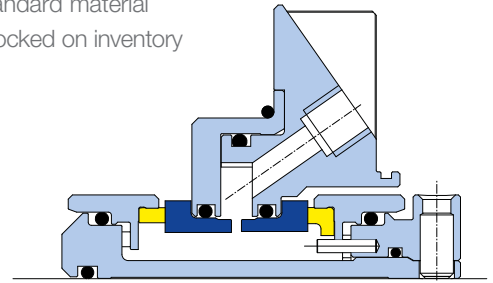


## CDPH™ — Double Seal for Heavy Duty Slurries

- Australian or UK/EU/ZA options available
- Double mechanical seal is designed to meet the arduous requirements of heavy duty slurry applications
- Stationary faces are oversized to allow for more radial movement
- Large ports and increased radial clearances enable the seal to maintain a stable fluid film for extended seal life
- Exotic metal parts are available to resist corrosion and erosion
- 316L SS, Super Duplex, and Alloy 276 are all standard material configurations. 316L SS and Super Duplex are stocked on inventory



**CDPH™ — UK/EU/ZA backplate**

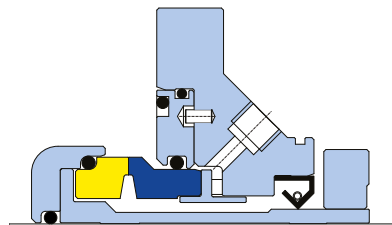


**CDPH™ — Australian backplate**

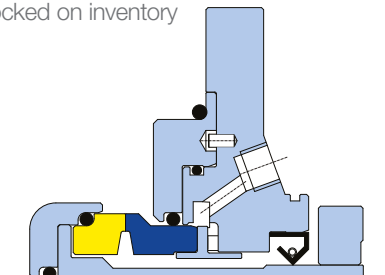


## FGSS-N™ / FGSS-NL™ — Single Slurry Seal

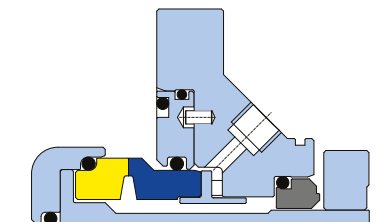
- Australian or UK/EU/ZA options available
- Single seal suitable for all FGD, Mining and Mineral Ore production applications
- Long lasting, abrasion resistant materials of construction
- Robust construction designed for ease of installation
- Rapid delivery on engineered and customized designs
- 316L SS, Super Duplex, and Alloy 276 are all standard material configurations. 316L SS and Super Duplex are stocked on inventory



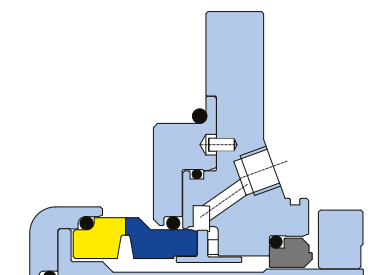
**FGSS-NL™ — UK/EU/ZA backplate**



**FGSS-NL™ — Australian backplate**



**FGSS-N™ — UK/EU/ZA backplate**



**FGSS-N™ — Australian backplate**

CDPH™ UK/EU/ZA

Face Combination	Size and Pump Ref.	O'ring	Metallurgy
TC/TC/TC/CB TC/TC/TC/TC SiC/SiC/SiC/CB SiC/SiC/SiC/SiC	<b>50mm</b> (1.5/1 B-AH, 2/1.5 B-AH) <b>60mm</b> (3/2 C-AH, 4/3 C-AH) <b>85mm</b> (4/3 D-AH, 6/4 D-AH) <b>100mm</b> (6/4 E-AH, 8/6 E-AH, 10/8 E-M, 12/10 E-M) <b>130mm</b> (8/6 F-AH, 10/8 F-M, 12/10 F-M) <b>180mm</b> (10/8 G-AH, 12/10 G-AH, 14/12 G-AH) <b>*5.000"</b> (8/6 F-AH, 10/8 F-M, 12/10 F-M) <b>*7.000"</b> (10/8 G-AH, 12/10 G-AH, 14/12 G-AH) <b>*South Africa Only</b>	FKM EPR TFE/P FFKM A AES-Elast FFKM A / FKM	316L SS Super Duplex Alloy 276

CDPH™ Australia

Face Combination	Size and Pump Ref.	O'ring	Metallurgy
TC/TC/TC/CB TC/TC/TC/TC SiC/SiC/SiC/CB SiC/SiC/SiC/SiC TC/SiC/TC/SiC	<b>50mm</b> (1.5/1 B&N-AH, 2/1.5 B&N-AH) <b>60mm</b> (3/2 C-AH, 3/2 P-AH, 4/3 C-AH, 4/3 P-AH) <b>85mm</b> (4/3 D-AH, 4/3 Q-AH, 6/4 D-AH, 6/4 Q-AH) <b>100mm</b> (6/4 E-AH, 8/4 E-AH, 8/4 R-AH, 10/8 E-M, 10/8 R-M, 12/10 E-M, 12/10 R-M) <b>130mm</b> (8/6 F-AH, 10/8 F-M, 12/10 F-M)	FKM EPR TFE/P FFKM A AES-Elast FFKM A / FKM	316L SS Super Duplex Alloy 276

FGDSS-N™ & FGDSS-NL™ UK/EU/ZA

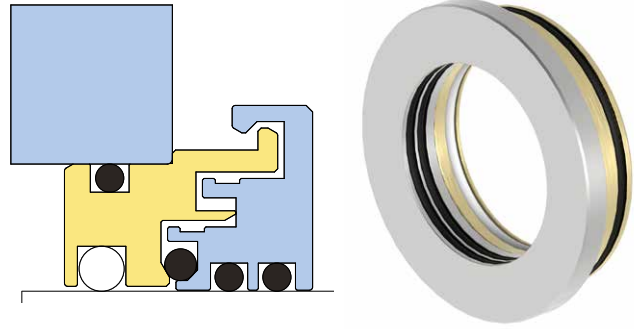
Face Combination	Size and Pump Ref.	O'ring	Metallurgy
SiC/SiC	<b>50mm</b> (1.5/1 B-AH, 2/1.5 B-AH) <b>60mm</b> (3/2 C-AH, 4/3 C-AH) <b>85mm</b> (4/3 D-AH, 6/4 D-AH) <b>100mm</b> (6/4 E-AH, 8/6 E-AH, 10/8 E-M, 12/10 E-M) <b>**130mm</b> (8/6 F-AH, 10/8 F-M, 12/10 F-M) <b>**180mm</b> (10/8 G-AH, 12/10 G-AH, 14/12 G-AH) <b>**Australia Only</b>	FKM TFE/P EPR AES-Elast	316L SS Super Duplex Alloy 276

FGDSS-N™ & FGDSS-NL™ Australia

Face Combination	Size and Pump Ref.	O'ring	Metallurgy
SiC/SiC	<b>50mm</b> (1.5/1 B&N-AH, 2/1.5 B&N-AH) <b>60mm</b> (3/2 C-AH, 3/2 P-AH, 4/3 C-AH, 4/3 P-AH) <b>85mm</b> (4/3 D-AH, 4/3 Q-AH, 6/4 D-AH, 6/4 Q-AH) <b>100mm</b> (6/4 E-AH, 8/4 E-AH, 8/4 R-AH, 10/8 E-M, 10/8 R-M, 12/10 E-M, 12/10 R-M) <b>130mm</b> (8/6 F-AH, 10/8 F-M, 12/10 F-M) <b>180mm</b> (10/8 G-AH, 12/10 G-AH, 14/12 G-AH)	FKM TFE/P EPR AES-Elast	316L SS Super Duplex Alloy 276

# Bearing Protection suitable for use with Weir Warman® AH Pumps

- Full range of end covers and stub shafts available
- Manufactured components or drawings can be supplied
- Drawings can be used for modification of OEM equipment
- Proven to increase equipment reliability



## LabTecta®AH

- Advanced labyrinth seal design
- PTFE grease inhibitor band for superior egress protection
- Robust heavy duty design
- Shut-off valve to prevent contamination from bearing chamber breathing
- Proven to increase equipment reliability
- Full range of end covers and stub shafts also available

For further information view the LabTecta®AH product brochure Bearing protection suitable for use with Weir Warman®AH pumps



## Complete environmental control management systems available



AESSEAL® high performance barrier fluid systems help to increase plant uptime even further by enhancing the environment in which mechanical seals operate. Many of these barrier fluid systems are patented, which means that the technology is exclusive to AESSEAL®.

We recommend the SW Range for the Weir Warman solutions. For more information please visit [www.aesseal.com/systems](http://www.aesseal.com/systems)



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[www.aesseal.com](http://www.aesseal.com)

### AESSEAL plc is certified to:

ISO 9001, ISO 14001, ISO/IEC 20000, ISO/IEC 27001,  
ISO/TS 29001, ISO 37001, ISO 45001 & ISO 50001



Net Zero champions globally



Use double mechanical seals with hazardous products.

Always take safety precautions:

- Guard your equipment
- Wear protective clothing



### USA Sales & Technical advice:

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