

FDU™

Fluid Distribution Unit



Features

- Independent pressurised fluid supply system
- Capable of supporting multiple seals
- Optional pressure switch and accumulator
- Reduced energy consumption

Benefits

- Removes the expense of piping a pressurised clean water / oil supply to a new area of the plant
- Removes the expense of purchasing one system per seal
- Enables greater control of water / oil ring main pressure
- The system can be operated intermittently to reduce energy costs via dead-ended piping

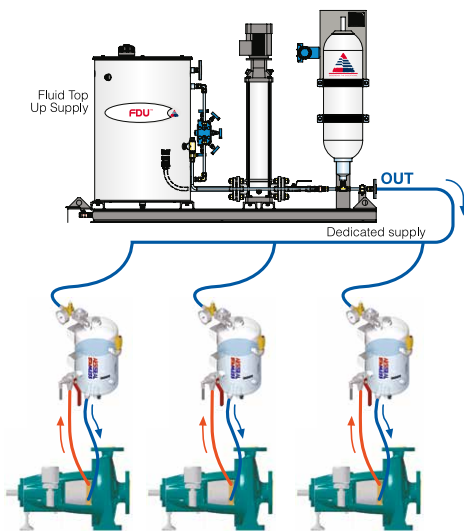


The AESSEAL® FDU™ (Fluid Distribution Unit) is an efficient high performance forced circulation PUMPPAC™ system.

The FDU was developed to meet the requirements of the API Plan 54 Piping Plan, which maximizes heat dump potential for more arduous pump applications. The FDU™ is a robust and efficient unit, adaptable to a wide range of industry applications. The addition of electronic or mechanical monitoring equipment makes it a formidable system. With a large 180 Litre tank, it can support many applications at one time, delivering fast cool clean pressurized barrier fluid at a regulated high flow rate. It can support water applications for all industries: Oil & Gas, Petrochemical, Food & Beverage, Chemical etc. and in most environments.

- **Independent pressurized fluid supply system** — Removes the expense of piping a pressurized clean water supply to a new area of the plant
- **Reduced energy consumption** — The system can be operated intermittently to reduce energy costs via dead-ended piping
- **Optional extras include level switch, pressure switch & accumulator** — Enables greater control of water level, ring main pressure. (FDU ATU Top-up Arrangement incorporates a pressure switch & accumulator as standard, with the option for an alternative transmitter.)

FDU™ Operating Principle



FDU™ in a seal support system auto top up arrangement (the FDU™ can supply multiple seal support systems)



FDU™ with Forced Draft Seal Cooler (FDSC™)



Plan 54 FDU™ ATU Engineered system to suit the specific requirements of the customer, providing flushing, cooling barrier fluid delivery or lubrication



Plan 54 FDU™ double pump with air blast & water cooler

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For further information and safe operating limits contact our technical specialists at the locations below.



AESSEAL plc is certified to:

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

Use double mechanical seals with hazardous products.

Always take safety precautions: **WARNING**

- Guard your equipment
- Wear protective clothing

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