



SDR DIN SERIES

Top - Bottom Entry Mixer

The Fast Seal Replacement Standard

SDR standard DIN agitators are highly dependable standard components of reliable and safe mixing systems with an excellent performance.

The product line is designed for full compliance with all applicable DIN standards and features an advanced modular configuration to achieve optimized cost efficiency, outstanding handling behavior for all applications and easy maintenance.



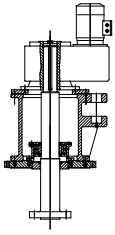
Advantages

- Fast seal replacement by swiveling upper lantern part is one out the outstanding features.
- Fixed or variable speed drive systems as process needs dictate.
- Modular system for standard applications and specials like high torque or high pressure units.
- Specials with short lantern design to fit in constricted areas.
- Robust bearing housing with integrated coupling and seal lanterns.
- Stuffing box or mechanical seal with DIN dimensions.
- Options for top entry and bottom entry.

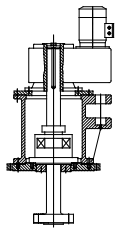
TECHNICAL DATA

Drive	Fixed-speed or variable-speed drive as required for optimized process control, flat spur gearing, geared motor, hollow-shaft gearing, special drives
Lantern	To DIN standard 28 162
Coupling	Rigid coupling to drive standard shaft, split for fast seal replacement (by lift/swivel device) DIN standard 28 155.
Bearing	Roller bearing with adapter sleeve mounting to DIN standard 28 162 Optional bearing integration in mechanical sealing
Shaft end	To DIN standard 28 154 C. Modified shaft required for non-standard designs
Shaft seal	Dimensions to DIN standard 28 138
Shaft Diameter	60 - 280 mm
Mounting flange	To DIN standard 28 141 ANSI dimensions optional
Motor Power	5,5 - 300 kW
Key Applications	Chemical Processing: Adhesives & Sealants, Inorganic Chemicals, Plastic Resins, Synthetic Rubber, Paint Coating, Specialty Chemicals, Pharmaceutical: Biotech

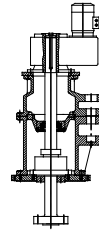
Models



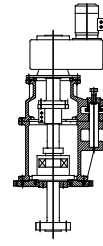
SDR-L Hollow-shaft gearbox with additional bearing and without seal



SDR-G Hollow-shaft gearbox with seal with integrated bearing

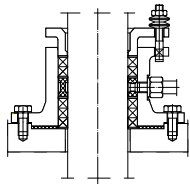


SDR-H Hollow-shaft gearbox with additional bearing and seal (e.g. stuffing box)

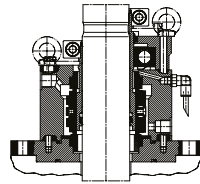


SDR-V Dual-support journal shaft with swivel device
SDR-V Dual-support journal shaft with swivel device

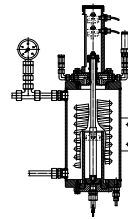
Standard Seals and Other Components



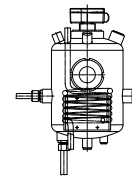
Model SD 5 Stuffing Box
Simple classical shaft seal with lubricating connection. Short or high design
 p_{max} to approx. 4 bar,
 t_{max} to approx. 130°C (without additional insulation barrier).
Dimensions to DIN standard 28 163. Graphite or Teflon packing cord.



Model GDS Mechanical Sealing Dimensions to DIN standard 28 138.
Unpressurized or pressurized double-acting mechanical sealing with or without integrated bearing. Air-cooled, optional water cooling
 p_{max} = vacuum to 120 bar with pressure transmitter or seal supply system.
 p_{max} < 16 bar with model VB 08 D expansion vessel.
Mechanical sealing materials and o-rings specified for process requirements.



Model VB 08 D Pressure Transmitter Seal fluid pressure = 1.05 x vessel pressure
Air cooling or water cooling
Visual or electric seal fluid level indication box.

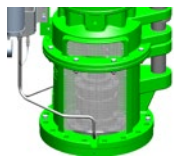


VBL/W Lubrication Vessel for sealing fluid, air/water cooling, side glass for lubricant level control.

SDR-V Mechanical Seal Removal



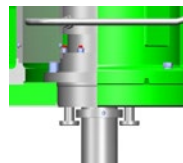
SDR lantern with drive



Remove protection cover



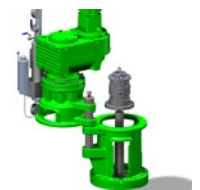
Lift top lantern and gearbox



Shaft settles underneath the mounting flange



Swivel out agitator and remove lower coupling



Remove seal vertically, install in inverse sequence

SPXFLOW®

SPX FLOW, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. The green "S" is a trademark of SPX FLOW, Inc.

For more information, visit www.spxflow.com.