

### Open Lineshaft Construction

Allows lineshaft bearings to be lubricated by the pumped fluid.

### Externally Sourced Prelubrication Connection

(Optional, not shown) Prevents dry running the lineshaft bearings on deep set applications by lubricating them prior to start-up.

### Cast Discharge Head

Smoothly transitions fluids into the discharge piping. Cast ANSI 125# or 250# flat face flanges. Also functions as a mounting base for the driver.

### Bearing Retainer With Rubber Lineshaft Bearing

Provides shaft support and maintains alignment. Retainers are spaced between column sections. Rubber lineshaft bearings include a stainless steel sleeve.

### Enclosed Impellers

Cast to provide smooth passageways for more efficient fluid flow. Semi-open impeller designs available on certain models.

### Drive Collets

Provide an interference fit between the bowl shaft and impeller to hold the impeller securely in place.

### Suction Bell

Provides efficient flow into the eye of the first stage impeller. A suction case is provided for deep well pump applications.

### Basket Strainer

Prevents debris from entering the pump. Conical strainer available for deep well pump applications.

### Vertical Hollow Shaft Motor

Allows the pump headshaft to extend through the motor. Provides impeller clearance adjustment with an adjusting nut located at the top of the motor. A two-piece headshaft with a motor stand is available for low overhead sites.

### Stuffing Box

Accommodates low and high pressure stuffing box or mechanical seal arrangements with piping plans. Provided with hard bearing below sealing arrangement for rigid support.

### Threaded Lineshaft Coupling

Positively locks lineshaft sections together for low torque applications.

### Threaded Column Assembly

Maintains alignment of the pressure retaining column sections through precision machined threaded pipe couplings. Minimizes well pump casing diameter. Available on column sizes 100 mm (4 in) to 355 mm (14 in).

### Bowl Adapter

Ensures efficient transfer of flow from bowl assembly to various column sizes.

### Bowl and Bell Bearings

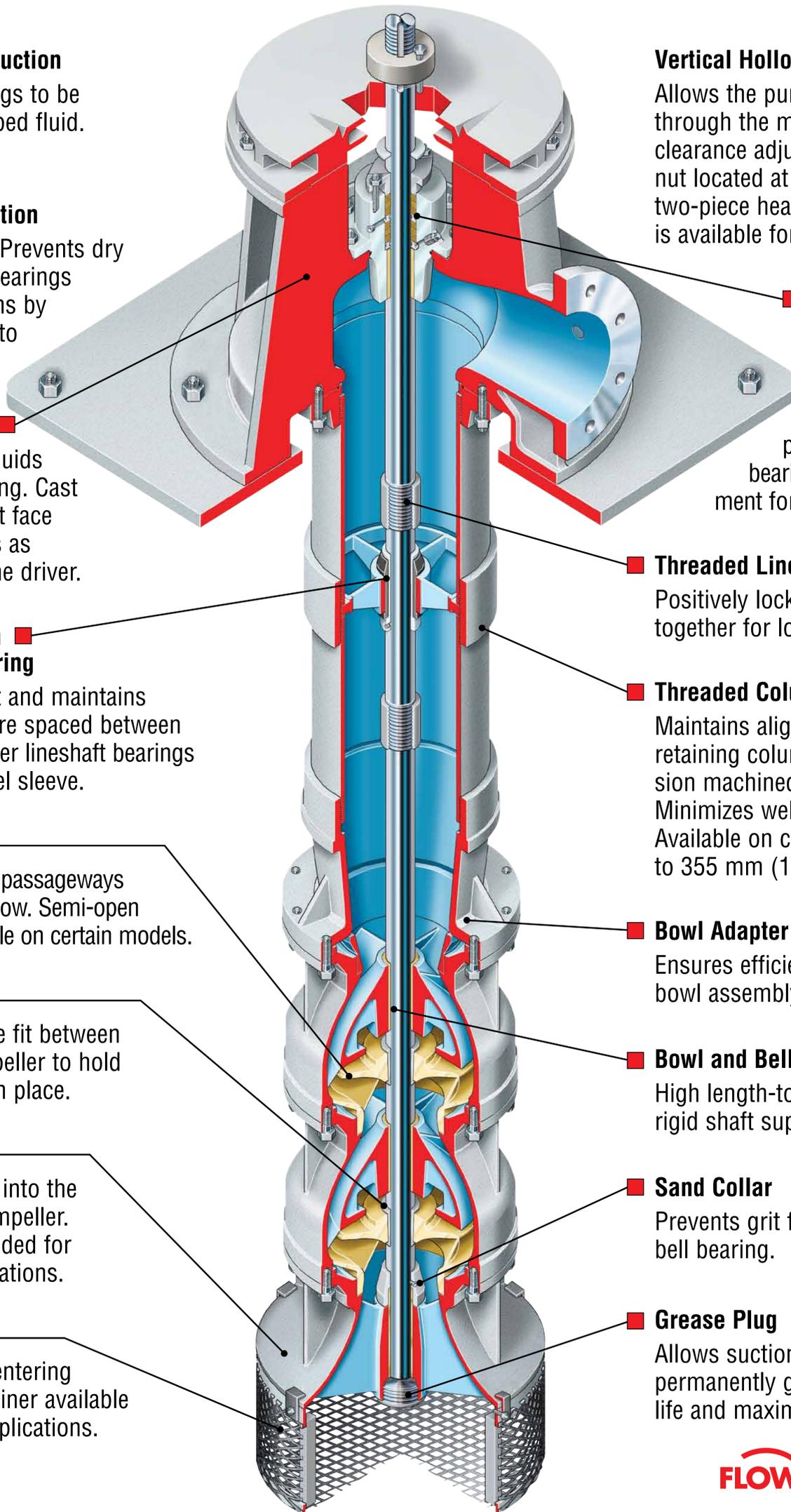
High length-to-diameter ratios provide rigid shaft support in the bowl assembly.

### Sand Collar

Prevents grit from entering the suction bell bearing.

### Grease Plug

Allows suction bell bearing to be permanently grease packed for long life and maximum reliability.



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FPD-1140a (E) Printed in USA, February 2011.  
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