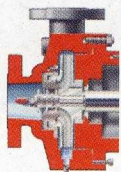


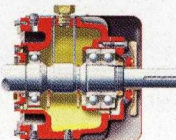
Fully Compliant with API 610, 8th Edition



Optional cutter screw coke crusher design

Bearing Configurations

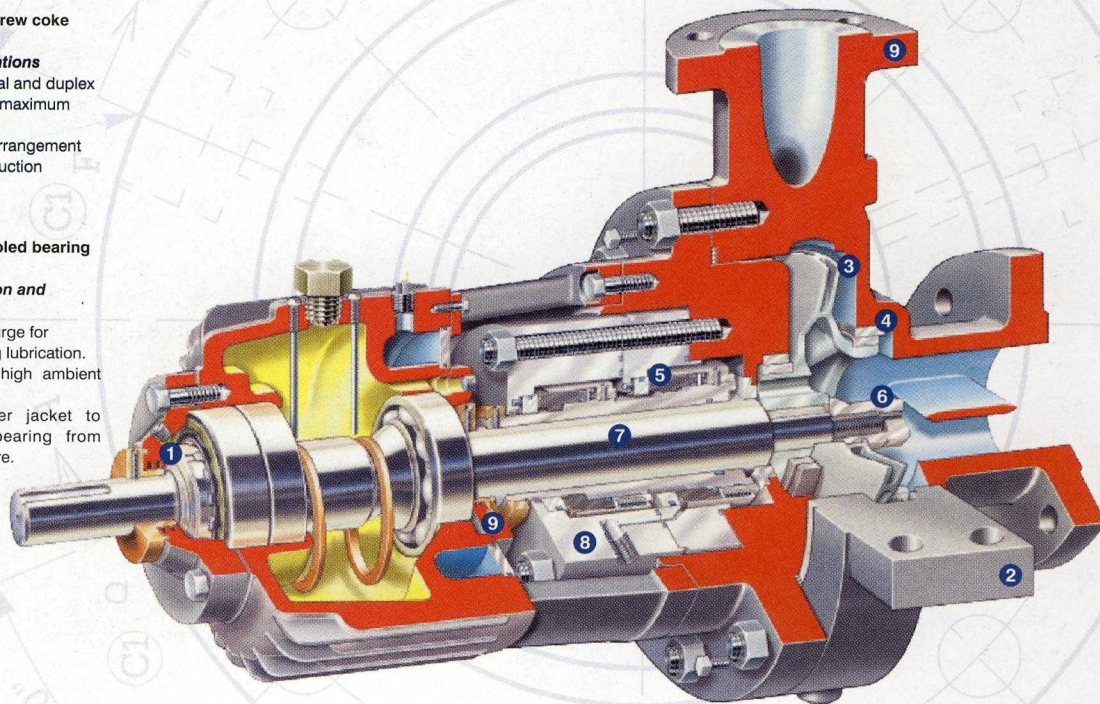
- ✓ Deep groove radial and duplex thrust bearings for maximum bearing life.
- ✓ Special bearing arrangement available for high suction pressures.



Fan and water cooled bearing feature

Bearing Lubrication and Cooling Options

- ✓ Oil mist and oil purge for continuous bearing lubrication.
- ✓ Fan cooling for high ambient temperatures.
- ✓ Removable water jacket to insulate radial bearing from process temperature.



- 1 The standard design incorporates special enhanced Inpro/Seal™ bearing isolators with cooling action.
- 2 The pump casing has centerline support feet integrally cast with the case for equal thermal expansion or contraction.
- 3 The impeller is closed, single suction, statically and dynamically balanced.
- 4 Renewable front and back impeller wear rings are standard.
- 5 The gland utilizes four studs to insure a secure fit when mechanical seals are utilized. All studs used in the sealing gland and bearing bracket covers are ASTM A 193 Gr B7.
- 6 The impeller is keyed to the pump shaft and positively locked in place by a cap nut.
- 7 The shaft is designed with a larger diameter and minimum length to reduce shaft deflection. The stepped shaft positively positions impeller and sleeve and permits free expansion at high temperatures. Gasketed shaft sleeve positively seals and eliminates leakage under the sleeve. The sleeve extends through the gland.
- 8 The seal chamber is larger than API dimensions and will accept all mechanical seal arrangements.
- 9 Standard flanges are 300# RF, finish per ANSI B16.5.

Product Description

- ✓ Horizontal, single stage, centerline mounted, back pull-out, radially split, end suction, top discharge, heavy duty centrifugal process pump.
- ✓ Process Design.
- ✓ Single Stage, Single Suction.
- ✓ Designed to meet API 610 pump standards, 8th Edition.
- ✓ Options: top suction, top discharge nozzles.

Note: 1"-3" discharge nozzles are single volute
4" and above are double volute.

Broad Application Range

- ✓ Temperatures from -50°F (-46°C) to 850°F (450°C).
- ✓ Pressures to 667 psi (4600 Kpa)
- ✓ Flows to 9000 gpm (2045 m³/h).
- ✓ Petroleum refining, production and distribution.
- ✓ Petrochemical.
- ✓ Heavy-duty chemical.
- ✓ Gas industry services.
- ✓ Utilities.

Performance Data

Capacity	To 9000 U.S. gpm	2045 m³/hr.
Head	To 1100 Feet	335 m
Flange size	1" to 10"	Discharge
Pressure	To 667 psig	4600 KPa
Temperature	-50° F to 850° F	-46° C to 450° C