

APEX API 610 Heavy Duty Pump

Apex API range of heavy duty pumps, conforming to API 610 11th edition standard. Designed for the most onerous duties handling hydro carbons and chemicals at high temperatures and pressures.

Pumps are of modular construction and are available in a wide variety of materials including steel, stainless steel, duplex stainless steel and titanium.

FEATURES

- ◆ Designed and engineered to the customer requirements
- ◆ Single stage impeller
- ◆ Double volute casing on most sizes
- ◆ Back pull out design
- ◆ Centreline mount
- ◆ Cartridge mechanical seal to API 682
- ◆ All metal flexible spacer coupling to API 671
- ◆ Heavy duty cast steel bearing housing
- ◆ Oil lubricated bearings with constant level oiler
- ◆ Bearings protected by AES Labtecta labyrinth seal
- ◆ High efficiency IE3 Motors

BENEFITS

- ◆ Reliability through strict quality procedures, good engineering practice and quality materials as standard
- ◆ Rotating element may be removed from the pump without disturbing the pipework
- ◆ Low Nett Positive Suction Head protects the pump from cavitation damage
- ◆ Non-overloading power characteristics

OPERATING RANGE

- ◆ Maximum flow rates up to 900 m³/hr
- ◆ Discharge flange sizes 40mm – 200mm
- ◆ Max generated head 160 m at 2900 rpm
- ◆ Flange ratings
BS4504 PN16, BS4504 PN25, BS4504 PN40,
ANSI 150RF or 300RF

APPLICATIONS

Chemical, refinery and process
Hydrocarbon duties
High temperature chemical service
Offshore process applications

WORKING PRESSURE

Standard pumps are capable of a working pressure of 40 bar subject to flange rating
All pumps are hydrostatically tested upon assembly to 1.5 times the rated working pressure.

MATERIALS

Castings in a variety of materials are produced in the company's own ISO 9001 foundry in Bristol, using the Replicast® method to produce porosity free castings by shell moulding. Castings can meet NORSOK and NACE MR0103 standards where required.



Cast steel
Stainless Steel
Duplex stainless steel
Super Duplex stainless steel
Titanium
Hastalloy C
Other grades available on request.

ASTM A216 Grade WCB
ASTM A351 CF8M, CF3M, CF8, CF3
ASTM A890 Grade 1B
ASTM A890 Grade 5A
ASTM B367 Grade 2
ASTM A494 Grade CW-12MW



APEX API Range Charts 50hz

