

FQC-950 Centrifuge



SECTION 1 INTRODUCTION

The FQC-950P centrifuge is designed for the primary stage in wet corn milling processes: primary separation, gluten thickening, clarification, and millstream thickening.

1.1 Design Features

- Quick and easy nozzle installation and removal due to patented nozzle and tool system (Patent #6,216,959) with carbide insert flow passage and unique removal slot and tool
- Easy access to nozzles through convenient inspection port on the underflow volute, without raising the bowl or removing the housing
- Oil drip bearing lubrication system with oil recirculation system
- Vibration sensors, bearing temperature probes and lubrication supply sensors are standard
- All outer housing components constructed of 316 stainless steel
- Bowl, hub and cover made of Ferallium to minimize vibration and ensure structural stability
- Heavy-duty construction minimizes vibration and ensures structural stability
- Belt tension quickly adjusted with adjustment screw on slide mounted motor support
- Improved rotor bowl lock ring and wrench design, key slotted for simple and safe removal
- Wash water injected directly into bowl increases wash rates and efficiency
- Hydraulic hoist powered by an electric-driven hydraulic system

Weight

Total (with motor) 28,455 lb. (12,907 kg) (without motor) 25,000 lb (11,340 kg)

Motor (approximate) 3455 lb. (1567 kg)

Approximate Dynamic Load on Foundation

Vertical 35,569 lbs (16,134 kg)

Horizontal 11,500 lbs (5216 kg)