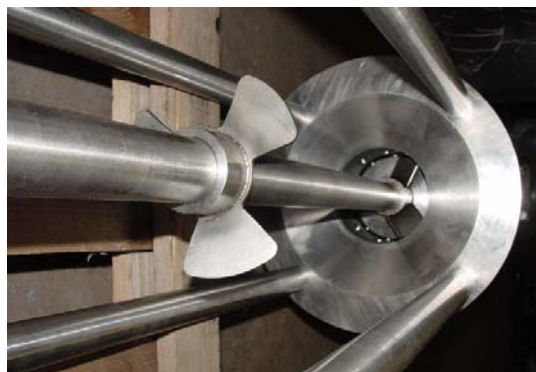


DUPLEX SHEARHEAD MIXERS



RIGAL BENNETT has developed a range of Duplex Shearhead Mixers for applications that require emulsifying, dispersing, homogenising and suspending abrasive components.



PRINCIPAL APPLICATIONS

Chemical, paint, ceramic/building materials, cosmetic, beverage and food processing industries.

This special mixer is designed to give intensive mixing, simultaneous deep dispersing and emulsifying action, with a new double acting Duplex head which is specially designed with no bearings immersed in the process solution. This design enables mixing times to be dramatically reduced from conventional stirrers by up to 75%. The mixer design has the following features:-

- Universal application.
- Suitable for a number of dispersing applications.
- Gives minimal temperature rise of medium even with high capacity machine.
- Mixing and dispersing effect is not limited by large viscosity differences.
- Effective crushing of agglomerations.
- Easily able to put solids into suspension.
- Has an extended intensive localised mixing action that reduces the input of air to the product.
- The mixer head is designed to exert a powerful suction that draws the product liquid/solids upward from the base of the mixing vessel and downwards from the mixer head to draw powders floating on the surface into the mixer stream and to work in the stator rotor head.
- Intermediate propellers can be fitted to draw down powder or solutions that have a tendency to float.
- This mixer is carefully designed with no bearings within the wetted process area and is ideally suited to abrasive and aggressive applications.

MODEL	KW	SPEED	PHASE	MOTOR
EH753DH-63/F	7.5	2880	3	TEFC/FLP
EH183DH-63/F	18	1400	3	TEFC/FLP
EH223DH-63/F	22	1400	3	TEFC/FLP
EH303DH-63/F	30	760	3	TEFC/FLP

TECHNICAL DESCRIPTION: The Rigal Bennett Duplex Shearhead Mixer is designed for continuous duty. The mixer has four stainless steel shafts for supporting the motor and mixer head which is designed for flange mounting. The motor is mounted on a mild steel bell housing with integral bearing assembly to support the centre rotor shaft. We offer this unit with a Duplex general purpose head as standard with carefully designed double acting rotor. This design suits 90% of all applications. Special heads are available upon request. All contact parts are 316 grade stainless steel. Please consult the table above which shows our standard range of mixers designed to suit your working environment. We are able to quote for 'one off' specials to meet your requirements and offer these units with raise/lower stands to suit and we offer to manufacture a range of stainless steel or polypropylene vessels to suit customers'



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