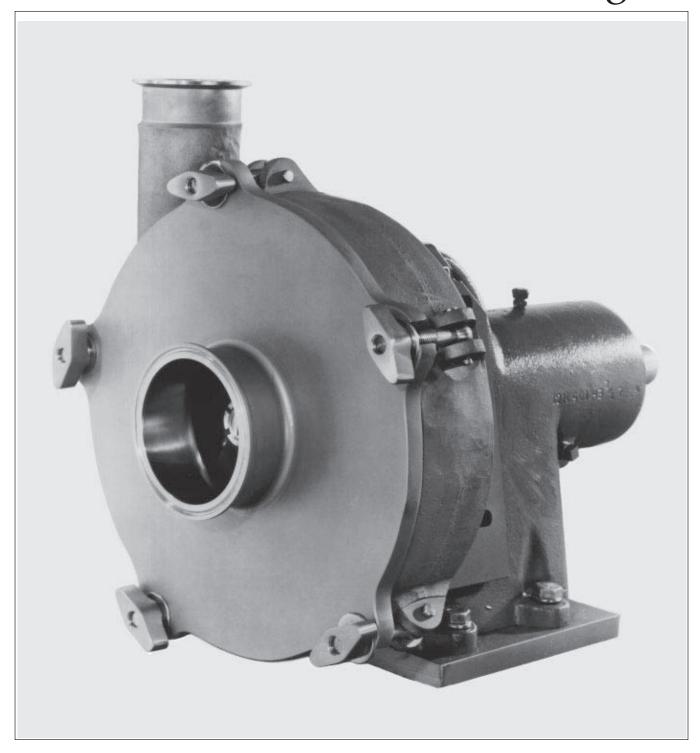




TRI-CLOVER® EH Series Centrifugal



Pumps you can depend on to meet your special pumping requirements.

These high capacity, low shear pumps are available in three models with five different seals, and your choice of Tri-Clamp[®], Bevel Seat or Flanged Connections.

Tri-Clover EH Series base-mounted centrifugal pumps have been designed and built to give years of trouble-free, dependable service. All wetted parts are cast type 316L SS which provides maximum corrosion resistance. EH casing and front cover are furnished with polished ID finish providing a sanitary environment, and glass beaded OD as standard. In addition, the casing cover is held on by heavy duty bolts. This enables the pump to withstand stresses from misalignment or shock pressures in your system.

Our one-piece "bow-tie" impeller design is ideal for delicate products including latex, whole vegetables, protein slurries and enzymes. The impeller gently scoops your product through the pump instead of beating it. This means less foaming and no compromises with product integrity.

The impeller is securely attached to the threaded shaft by means of a lock nut / cotter pin retainer design. However, when necessary, the impeller can be easily removed without the use of special tools, making any cleaning almost effortless.

Seal Selection

Your choice of five different seal types to meet your application.

Seal #D - Carbon Rotary

The Type D seal utilizes the hydraulic pressure developed by the pump to achieve the sealing action. This process or product pressure is evenly exerted against an "O" ring contained in a groove in the seal ring. The pressure forces the "O" ring against the face of the collar, providing a static seal, eliminating product leakage along the shaft.

Typical applications include: dairy products, cream style corn, tomatoes, beverages, etc. Also applicable for acid cleaning solutions and detergents.

Seal #E - Water Cooled Rotary

The Type E seal is fully contained within a stuffing box. Its double end design permits the sealant to be controlled to the drain. This seal uses the same hydraulic balance as the Type D seal described above.

Ideal for slurries, heavy duty vacuum applications (to 28" Hg), tacky products or products at temperatures up to and exceeding 212°F.

Seal #A - Packing Gland

This is a compressed type seal, utilizing a stuffing box, split gland and rings of square cross-section packing. Sealing is accomplished by axially compressing the packing rings in the stuffing box through use of the split gland. Compression is achieved by tightening the two hex nuts that hold the gland to the stuffing box. When tightened, the nuts force the gland into the stuffing box, and compress the packing. As the packing is compressed, the packing rings flow outward to seal against the bore of the stuffing box, and inward to seal against the pump shaft.

This seal is recommended for chemical processing applications of nonabrasive and nonabrasive / non-congealing products.

Seal #C - Packing Gland With Water

The Type C seal is similar to the Type A in many ways. The basic difference is that a lantern ring and flush passage are incorporated into the packing and stuffing box allowing the contact area between the pump shaft and packing rings to be flushed.

It can be applied in vacuum installations over 20" Hg and in systems pumping hot liquids over 212°F, or tacky products.

Seal #B - Latex

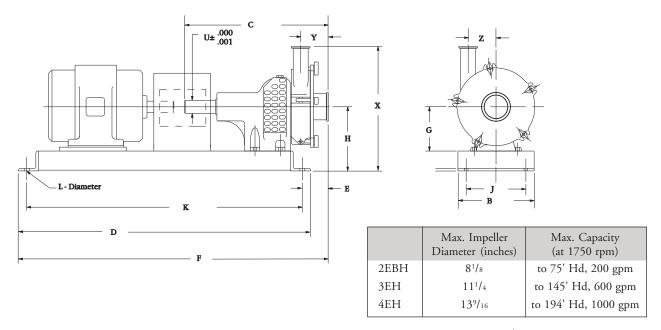
The Type B seal is similar to the Type C except the lantern ring is located further from the pump casing. In other words, the Type B has a greater number of packing rings between the lantern ring and the casing than does the Type C.

This seal is ideal for latex and similar products where a reduction of flush fluid leakage into the product being pumped is important to minimize product dilution.

Dimensions

Dimensions are approximate and for guidance only. On applications where exact dimensions are required, request a certified print from Tri-Clover. Keyslot Information: Model 2EBH - "A" Woodruff Key $^{1}/_{4}$ " wide. Model 3EH - "B" Woodruff Key $^{5}/_{16}$ " wide. Model 4EH - "C" Woodruff Key $^{3}/_{8}$ " wide.

- Tri-Clamp® Connections Threaded Bevel Seat Connections
- 3 A.S.A. 150# Raised Face Flanged Connections.

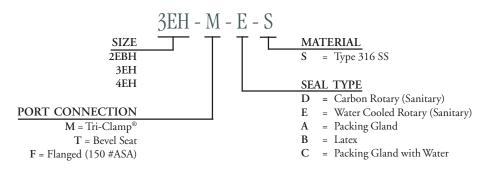


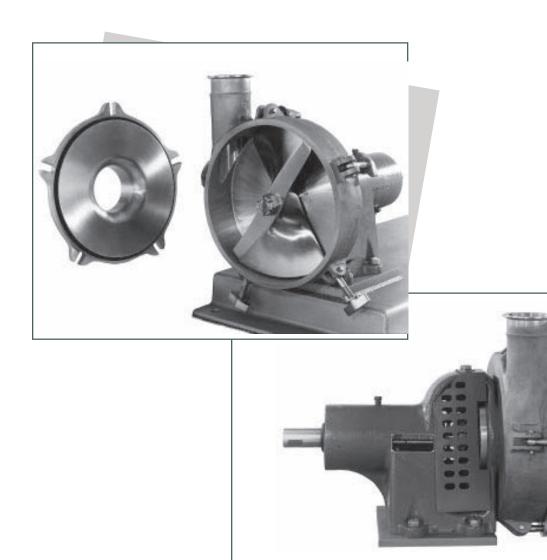
		2E	BH		3EH				4EH					
	56	143T 145T	182T 184T	213T 215T	254T 256T	213T 215T	254T 256T	284T 286T	324T	254T 256T	284T 286T	324T 326T	364T	
E•	21/2	$2^{1}/_{2}$	21/2	21/2	27/8	35/32	$3^{17}/_{32}$	$3^{17}/_{32}$	311/32	$4^{3}/_{8}$	$4^{3}/_{8}$	$4^{3}/_{8}$	43/8	
E€	21/2	$2^{1}/_{2}$	$2^{1/2}$	$2^{1}/_{2}$	27/8	$3^{5}/_{32}$	$3^{17}/_{32}$	$3^{17}/_{32}$	311/32	45/16	45/16	45/16	45/16	
E€	3 7/16	$3^{7}/_{16}$	$3^{7}/_{16}$	37/16	313/16	$4^{3}/_{32}$	$4^{15}/_{32}$	$4^{15}/_{32}$	49/32	$4^{1}/_{4}$	$4^{1}/_{4}$	$4^{1}/_{4}$	$4^{1}/_{4}$	
Fo	321/4	$32^{1}/_{4}$	333/4	$41^{1}/_{4}$	435/8	$41^{29}/_{32}$	$46^9/_{32}$	$46^9/_{32}$	529/32	505/16	545/16	545/16	645/16	
F●	321/4	$32^{1}/_{4}$	333/4	$41^{1}/_{4}$	435/8	$41^{29}/_{32}$	$46^9/_{32}$	$46^9/_{32}$	529/32	$50^{1}/_{4}$	$54^{1}/_{4}$	$54^{1}/_{4}$	$64^{1}/_{4}$	
F€	333/16	333/16	$34^{11}/_{16}$	$42^{3}/_{16}$	449/16	$42^{27}/_{32}$	$47^{7}/_{32}$	$47^{7}/_{32}$	537/32	503/16	543/16	543/16	$64^{3}/_{16}$	
Н	9	9	9	9	91/4	$9^{1}/_{8}$	$10^{1}/_{4}$	10	12	14	14	14	13	
J	8	8	8	10	121/2	$11^{1/2}$	14	13	15	14	18	18	20	
K	281/2	$28^{1}/_{2}$	30	$37^{1}/_{2}$	391/2	$37^{1}/_{2}$	$41^{1}/_{2}$	$41^{1}/_{2}$	477/8	$44^{7}/8$	$48^{7}/_{8}$	$48^{7}/_{8}$	587/8	
L	3/4	3/4	3/4	3/4	3/4	3/4	11/16	3/4	7/8	7/8	7/8	7/8	7/8	
В	$10^{3}/_{4}$	$10^{3}/_{4}$	$10^{3}/_{4}$	$12^{3}/_{4}$	151/4	$15^{1}/_{4}$	$16^{3}/_{4}$	$16^{1}/_{4}$	173/4	$16^{3}/_{4}$	$20^{3}/_{4}$	$20^{3}/_{4}$	$23^{3}/_{4}$	
D	31	31	$32^{1/2}$	40	42	40	44	44	50	47	51	51	61	
G	6	6	6	6	61/4	$6^{1/8}$	$6^{1}/_{4}$	7	8	9	9	9	9	

	Inlet	Outlet	Co	C ₆	C ₆	Υ•	Υ 0	Υø	Χo	Χø	Χø	Z	U
2EBH	3	2	161/2	$16^{1/2}$	$17^{7}/_{16}$	$3^{11}/_{32}$	$3^{11}/_{32}$	$4^9/_{32}$	$6^{1/2}$	$6^{1/2}$	$7^{1}/_{4}$	$3^3/_{16}$	11/16
3EH	4	3	2011/32	$20^{11}/_{32}$	$21^{7}/_{32}$	$3^{27}/_{32}$	$3^{27}/_{32}$	$4^{23}/_{32}$	$9^{1}/_{4}$	$9^{1}/_{4}$	$10^{3}/_{16}$	$4^{17}/_{32}$	$1^{3}/8$
4EH	6	4	2511/32	259/32	257/32	$4^{29}/_{32}$	$4^{27}/_{32}$	$4^{25}/_{32}$	$10^{7}/8$	$10^{13}/_{32}$	$10^{3}/_{4}$	51/4	111/16

Ordering Information

A sample part number for a Tri-Clover EH Centrifugal Pump is shown below. The model descirbes the pump only. The base, motor, coupling and coupling guard, etc. must be specified separately.





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Each Tri-Clover item is warranted to be free from manufacturing defects for a period of one (1) year from the date of shipment, providing it has been used as recommended and in accordance with recognized piping practice, and providing it has not been worn out due to severe service, such as encountered under extremely corrosive or abrasive conditions.

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All claims must be in writing and must be mailed or delivered by purchaser within thirty (30) days after purchaser learns of the facts upon which such claim is based. Any claim not made in writing and within the time period specified above shall be deemed waived.

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*Distribution Centers in Union City, California and Memphis, Tennessee

In addition to manufacturing the most complete line of stainless steel flow control products and components, Tri-Clover provides the most complete, up-to-date and comprehensive literature to assist you in ordering and specifying them:

Following are all registered trademarks of Tri-Clover Inc.

Tri-Clover Tri-Blender
Tri-Clamp Tri-Flo
Tri-Weld Super-Speed
Zephyrweld Tri-Taper
Mainstream Streamline





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