

## CG Series Pump Impeller Shaft Service Parts List

Index:

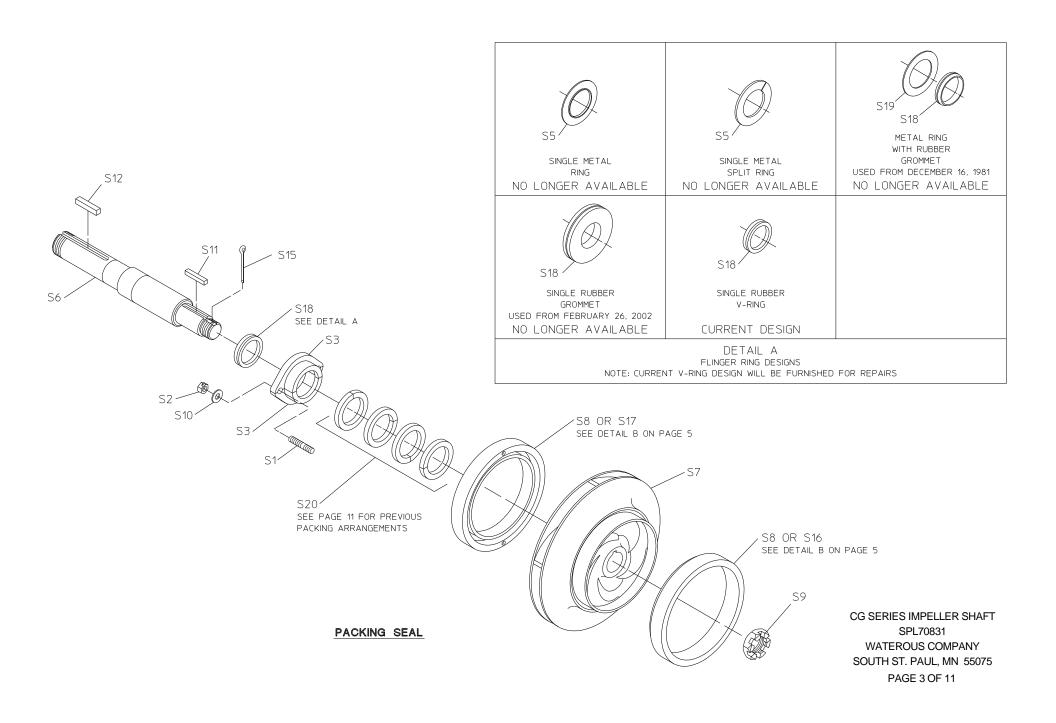
	Pump Model (Located on Pump Serial Plate)	Transmission Model (Located on Pump Serial Plate)								See Pages						
										Seal Type						
Pump Type												Packing		Mechanical Seal		Packing
		C10 Series	C20 Series	C22 Series	F Series	K Series	M Series	P Series	T Series	W Series	Y Series	Exploded View	Cross- Section View	Exploded View	Cross- Section View	Arrangements
Single Stage	CGN, CGR, CGV, CGVN, CGVR, CGG, CGVG	C10B C10C C10D C10E C10F	C20B C20C C20D C20E C20F	C22B C22C C22D C22E C22F	F	K KC	M MB MC	PA	т	WB WBX WK	YB, YBX YC, YCX YD, YDX YE, YEX YF, YFX	2, 3	4, 5	6, 7	8, 9	10, 11
Two Stage Combination Pump	CGG/CPK-1	-	-	-	-	-	-	-	-	WB WBX	-	-	-	6, 7	-	-

Note: When ordering repair parts provide Pump Serial Number

## Packing Seal (Exploded View)

REF. NO.	DESCRIPTION		
S1	Packing gland stud		
S2	Unbalanced nut		
S3	Packing gland half		
S5	Flinger ring		
S6	Impeller shaft		
S7	Impeller		
S8	Wear ring, plain hubs (std., 0.025. 0.050 and 0.075 in. U/S)		
S9	Lock nut, 1"-14		
S10	Plain brass washer, 5/16 in.		

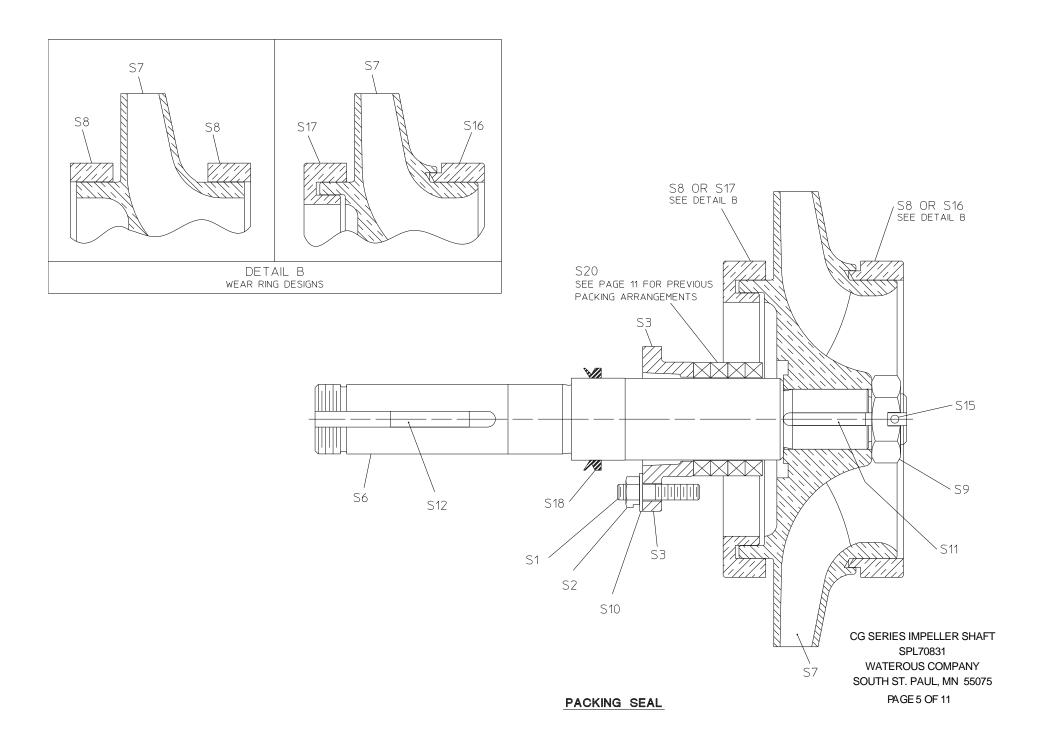
REF. NO.	DESCRIPTION
S11	Square key, SS or Monel, 1/4 x 1-7/16 in.
S12	Square key, 5/16 x 1-9/16 in., or 5/16 x 1-5/16 in.
S15	Cotter pin Monel shaft - 3/16 x 1-1/4 in. SS shaft - 1/8 x 1-3/4 in.
S16	Wear ring, labyrinth hubs (std., 0.025. 0.050 and 0.075 in. U/S)
S17	Wear ring, labyrinth hubs (std., 0.025. 0.050 and 0.075 in. U/S)
S18	Grommet, flinger or V-ring
S19	Flinger disk
S20	Packing replacement kit, BFG or Teflon Graphite



## Packing Seal (Cross-Section View)

REF. NO.	DESCRIPTION		
S1	Packing gland stud		
S2	Unbalanced nut		
S3	Packing gland half		
S6	Impeller shaft		
S7	Impeller		
S8	Wear ring, plain hubs (std., 0.025. 0.050 and 0.075 in. U/S)		
S9	Lock nut, 1"-14		
S10	Plain brass washer, 5/16 in.		

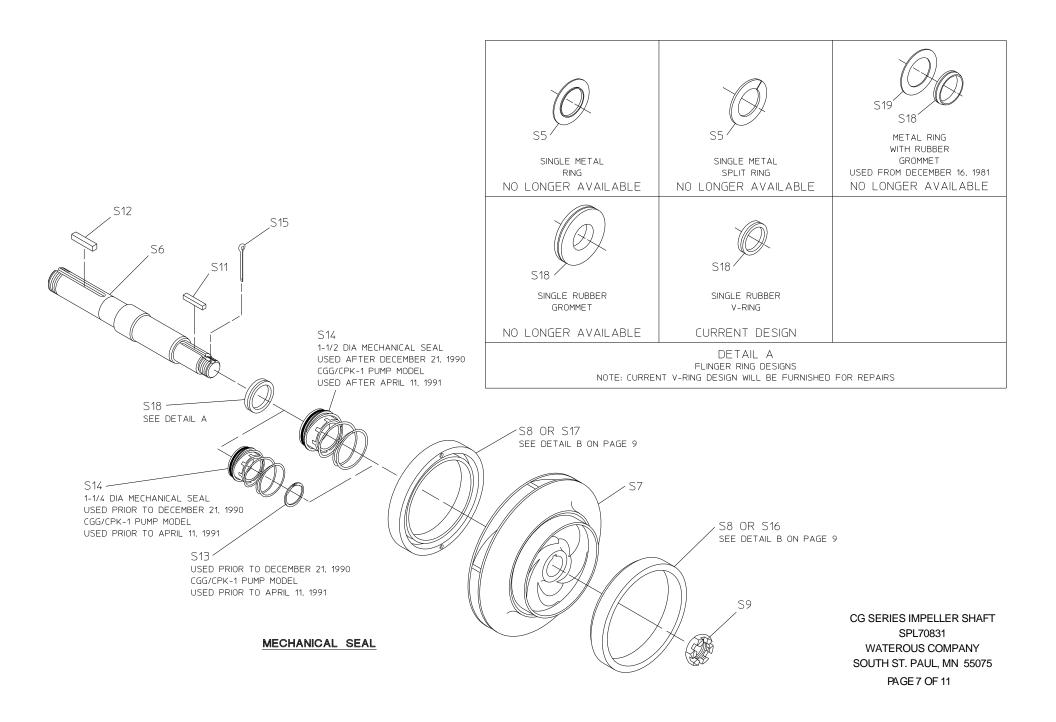
REF. NO.	DESCRIPTION
S11	Square key, SS or Monel, 1/4 x 1-7/16 in.
S12	Square key, 5/16 x 1-9/16 in., or 5/16 x 1-5/16 in.
S15	Cotter pin Monel shaft - 3/16 x 1-1/4 in. SS shaft - 1/8 x 1-3/4 in.
S16	Wear ring, labyrinth hubs (std., 0.025. 0.050 and 0.075 in. U/S)
S17	Wear ring, labyrinth hubs (std., 0.025. 0.050 and 0.075 in. U/S)
S18	Grommet, flinger or V-ring
S20	Packing replacement kit, BFG or Teflon Graphite



#### Mechanical Seal (Exploded View)

REF. NO.	DESCRIPTION			
S5	Flinger ring			
S6	Impeller shaft			
S7	Impeller			
S8	Wear ring, plain hubs (std., 0.025, 0.050, 0.075 in. U/S)			
S9	Lock nut, 1"-14			
S11	Square key, SS or Monel, 1/4 x 1-7/16 in.			
S12	Square key, 5/16 x 1-9/16 in., or 5/16 x 1-5/16 in.			
S13	Retaining ring			

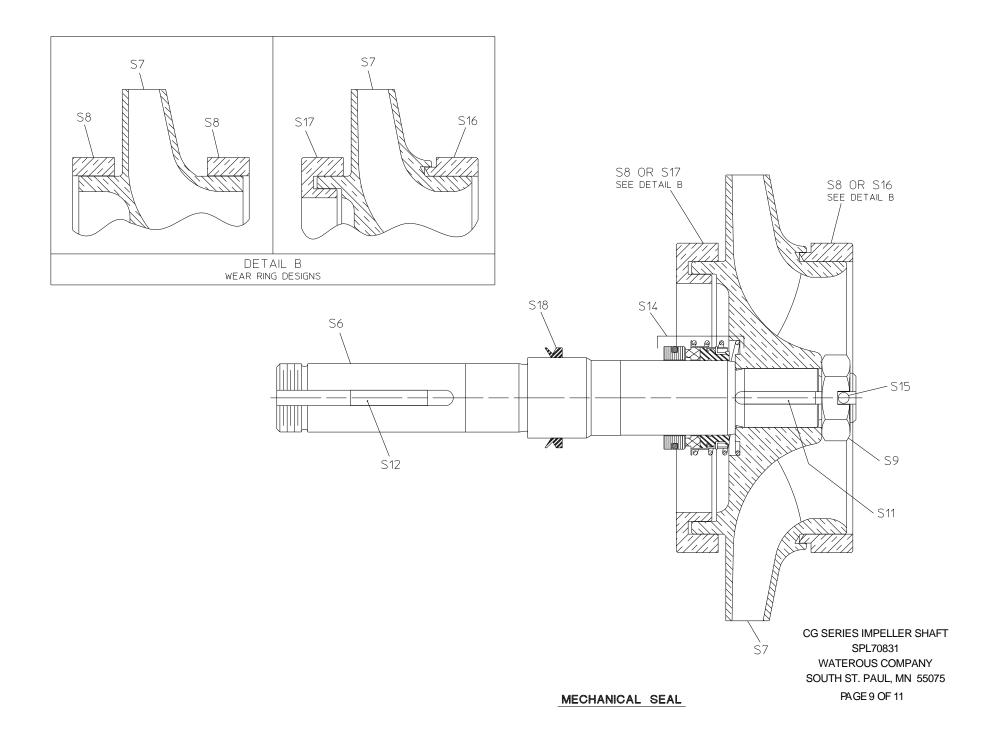
REF. NO.	DESCRIPTION
S14	Mechanical seal
S15	Cotter pin Monel sahft - 3/16 x 1-1/4 in. SS shaft - 1/8 x 1-3/4 in.
S16	Wear ring, labyrinth hubs (std., 0.025, 0.050, 0.075 in. U/S)
S17	Wear ring, labyrinth hubs (std., 0.025, 0.050, 0.075 in. U/S)
S18	Grommet, flinger or V-ring
S19	Flinger disk



#### Mechanical Seal (Cross-Section View)

REF. NO.	DESCRIPTION		
S6	Impeller shaft		
S7	Impeller		
S8	Wear ring, plain hubs (std., 0.025, 0.050, 0.075 in. U/S)		
S9	Lock nut, 1"-14		
S11	Square key, SS or Monel, 1/4 x 1-7/16 in.		
S12	Square key, 5/16 x 1-9/16 in., or 5/16 x 1-5/16 in.		

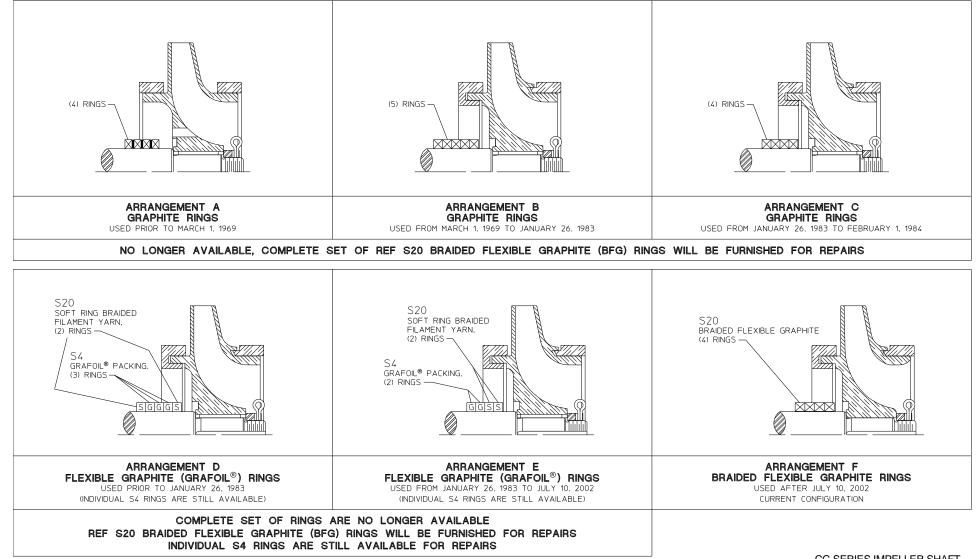
REF. NO.	DESCRIPTION		
S14	Mechanical seal		
S15	Cotter pin Monel sahft - 3/16 x 1-1/4 in. SS shaft - 1/8 x 1-3/4 in.		
S16	Wear ring, labyrinth hubs (std., 0.025, 0.050, 0.075 in. U/S)		
S17	Wear ring, labyrinth hubs (std., 0.025, 0.050, 0.075 in. U/S)		
S18	Grommet, flinger or V-ring		



# **Packing Arrangements**

REF. NO.	DESCRIPTION
S4	Packing ring, Flexible Graphite (Grafoil®)

REF. NO.	DESCRIPTION
S20	Packing replacement kit, BFG or Teflon Graphite



PACKING ARRANGEMENTS

NOTE: ALWAYS STAGGER JOINTS IN PACKING RINGS

CG SERIES IMPELLER SHAFT SPL70831 WATEROUS COMPANY SOUTH ST. PAUL, MN 55075 PAGE 11 OF 11