



# Pump Packing and Mechanical Seal Cross Reference Chart

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## Centrifugal Pumps - Packing (See Note 1 below)

Pump		Number of Stuffing Boxes (See Note 1)	Packing Type		
Model	Date Built		Lead Foil (See Note 3)	See Note 2	
				Teflon Graphite	Braided Flexible Graphite (BFG)
CG, CGG	All Years	1	-	-	K 667-8
CH-3	All Years	2	-	K 667	K 667-6
CH-4	All Years	2	-	K 667	K 667-6
CL, CLS	All Years	1	-	K 668	K 668-13
CM, CS, CMH, CSH (Main Pump Stuffing Boxes)	All Years	2	-	-	K 667-8
CMH & CSH (Extra Pressure Stage Only)	All Years	1	-	-	K 673-5
CJ	All Years	2	-	K 667	-
CP-1 & CP-2 (With K or T Series Transmissions Only)	All Years	1	-	K 668	K 668-13
CP-1, CP-2 (With Teardrop Transmission Only)	All Years	1	-	-	K 668-13
CP-3	All Years	1	-	-	K 668-12
CP-4	All Years	1	-	-	K 668-11
CX	All Years	1	-	-	K 667-8

### NOTES:

5. Kits for pumps with two stuffing boxes contain enough packing to re-pack both.
6. Where both Teflon Graphite and Braided Flexible Graphite (BFG) packing kits are available, either may be used. Normally, Teflon Graphite is used when the packing journals on the impeller shaft are scored.
7. Lead foil packing is no longer available.

## Centrifugal Pumps - Packing (Discontinued Models)

Pump Model	Number of Stuffing Boxes	Adjustable Packing Pieces per Stuffing Box			
		Teflon Graphite			Lead Foil
		5055*	50539	52171*	50148*
CA-1	1		-	4	-
CA-3 CA-4 CA-5	2	4	-	-	-
HPCA-4 HPCA-5 (Main Pump Only)	2	4	-	-	-
HPCA-4 HPCA-5 (Third Stage Only)	1	-	-	-	6
CD-1	2	-		6	-
CD DCD DCD-3	2	-	-	4	-
CD-3	2	-	-	5	-
CD-4 DCD-4	2	-	5		-
CF-1	2	-	-	4	-
DCF-1	2	-	-	4 & 5	-

\* No longer available

## Centrifugal Pumps - Mechanical Seals

(See Page 5 for CM and CS Pumps)

Pump Model	Date Built	Number of Seals	Drive End				Outboard End			
			Standard Application		Abrasive or Corrosive Water		Standard Application		Abrasive or Corrosive Water	
			Iron Body	Bronze Body	Iron Body	Bronze Body	Iron Body	Bronze Body	Iron Body	Bronze Body
CF-3 CF-4	All Years	1	K 623	K 623	K 623-1	K 623-1	-	-	-	-
CG	Prior to December 21, 1990	1	K 623	K 623	K 623-1	K 623-1	-	-	-	-
	After December 21, 1990	1	K 675	K 675	K 675-1	K 675-1	-	-	-	-
CHD-4	Prior to July 2, 1990	2	K 674-7	K 690-6	-	-	K 702-4	K 729-4	-	-
	After July 2, 1990	2	K 674-7	K 674-8	-	-	K 702-4	K 702-5	-	-
CHK-4	Prior to July 2, 1990	2	K 674	K 690	-	-	K 702-4	K 729-4	-	-
	After to July 2, 1990	2	K 674	K 674-2	-	-	K 702-4	K 702-5	-	-
CL	Prior to April 26, 1979	1	K 556	K 556	-	-	-	-	-	-
	April 26, 1979 to February 2, 1998	1	K 622-1	K 622-1	-	-	-	-	-	-
	February 2, 1998 to February 4, 2005	1	K 994	K 994	-	-	-	-	-	-
	February 4, 2005 to Present	1	K 1055	K 1055	K 1055	K 1055	-	-	-	-
CP-1 CP-2 CP-2L	Prior to April 26, 1979	1	K 556	K 556	-	-	-	-	-	-
	April 26, 1979 to February 2, 1998	1	K 622-1	K 622-1	K 622-1 (deicing)	K 622-1 (deicing)	-	-	-	-
					K 858 (marine)	K 858 (marine)	-	-	-	-
	February 2, 1998 to February 4, 2005	1	K 857	K 857	K 994 (deicing)	K 994 (deicing)	-	-	-	-
					K 994 (marine)	K 994 (marine)	-	-	-	-
February 4, 2005 to Present	1	K 1055	K 1055	K 1055	K 1055	-	-	-	-	
CP-3	All Years	2	K 769	K 769	-	-	K 768	K 768	-	-

## Centrifugal Pumps - Mechanical Seals

Pump Model	Date Built	No. of Seals	Drive End				Outboard End			
			Standard Application		Abrasive or Corrosive Water		Standard Application		Abrasive or Corrosive Water	
			Iron Body	Bronze Body	Iron Body	Bronze Body	Iron Body	Bronze Body	Iron Body	Bronze Body
CR	All Years	1	K 716	K 716	-	-	-	-	-	-
CZ	All Years	1	K 717	K 717	-	-	-	-	-	-
CZU	Prior to July 1, 2003	1	K 833	K 833	-	-	-	-	-	-
	After July 1, 2003	1	K 1035	K 1035	-	-	-	-	-	-
S100	All Years	1	K 991	-	-	-	-	-	-	-
HL200 HL300	All Years	1	K 1036	K 1036	-	-	-	-	-	-

## Centrifugal Pumps - Mechanical Seals (CM and CS Pumps)

Pump Model	Date Built	No. of Seals	Drive End						Outboard End					
			With Tachometer			Without Tachometer			With Tachometer			Without Tachometer		
			Iron Body	Bronze Body		Iron Body	Bronze Body		Iron Body	Bronze Body		Iron Body	Bronze Body	
				SS Shaft	Monel Shaft		SS Shaft	Monel Shaft		SS Shaft	Monel Shaft		SS Shaft	Monel Shaft
CM CS	Prior to July 2, 1990	2	-	-	-	K 674(S) K 703 (A)	K 690 (V) K 690-1 (I)	K 690-2 (V) K 690-3 (I)	-	-	-	K 702 (S) K 703-1 (A)	K 729 (V) K 729-1 (I)	K 729-2 (V) K 729-3 (I)
	July 2, 1990 to March 1, 1994	2	-	-	-	K 674 (S) K 703 (A)	K 674-2	K 674-1	-	-	-	K 702 (S) K 703-1 (A)	K 702-2	K 702-1
	March 1, 1994 to April 21, 2006	2	-	-	-	K 789	K 789-2	K 789-1	-	-	-	K 788	K 788-2	K 788-1
	After April 21, 2006 (with Sealed Bearing)	2	-	-	-	K 789	K 789-2	K 789-1	-	-	-	K 1085	K 1085-2	K 1085-1
CMD CSD	Prior to July 2, 1990	2	K 674-6	-	-	K 674-3	K 690-4	K 690-5	K 702-3	-	-	K 702	K 729	K 729-2
	July 2, 1990 to March 1, 1994	2	K 674-6	-	-	K 674-3	K 674-5	K 674-4	K 702-3	-	-	K 702	K 702-2	K 702-1
	After March 1, 1994	2	K 789-6	K 789-8	K 789-7	K 789-3	K 789-5	K 789-4	K 788-3	K 788-5	K 788-4	K 788	K 788-2	K 788-1
CM/CGV	All Years	1	-	-	-	-	-	-	-	-	-	K 676	-	-

A = Abrasive or corrosive water conditions

S = Standard applications

I = Inverted body

V = Vertical Body

## SCPU (Motor & Portable Pumps - Mechanical Seals)

Pump Model	Date Built	Number of Seals	Part Number
Floto - Standard	All Years	1	V 1888
Floto - High Pressure	All Years	1	V 2008
PB10 PB11 PB13 PB18	All Years	1	V2145
PB11G PB13G	All Years	1	V 1888
PB18G	All Years	1	K 1056
SV45	All Years	1	V 2145
SV45G	All Years	1	K 622-1
P100 P200	All Years	1	V 2145
E200	Prior to May, 2006	1	V2145
	After May, 2006	1	K 1152
E300	Prior to February 4, 2005	1	K 994 K 967 (BLM Orders)
	After February 4, 2005	1	K 1055
E400	All Years	1	K 675
E501	Prior to February 1, 2002	1	V 1888
	After February 1, 2002	1	K 966
E511	Prior to January 31, 2005	1	K 994
	After January 31, 2005	1	K 1055
E601 E603	All Years	1	K 1122
E602 E604	All Years	1	K 1122-1

## Rotary Pumps (Packing and Mechanical Seals)

Pump Model	Part Number	Size		Number of Pieces per Pump	Material
		I.D.	O.D.		
AA	50472* or 50474*	1-1/2 1-3/4	2-1/2 2-7/8	16	leather
B	50475* or 50476* or 50477* or 50478*	2 2-1/16 2-1/8 2-5/16	2-7/8 2-7/8 2-7/8 3-11/16	16	leather
C	50479* or 50480*	2-1/2 2-7/8	3-11/16 3-11/16	16	leather
SC	50481* or 50482*	2-5/8 2-7/8	4 4	16	leather
D	50483*	3-3/32	4-1/2	16	leather
HA-456 HA-456-HP HD-456	5502 and 5017 and 5709			4 8 4	filler leather packing
HD-281	5017 and 5502			4 4	leather fillers
HJ HJCF-420	K 766 or K 766-1 or K 766-2			4 4 4	Ni-Resist mating ring/Buna-N bellows Ceramic mating ring/Viton-A bellows Ceramic mating ring/Buna-N bellows
SA-2	50473*	1-7/8	2-7/8	16	leather

\*No longer available from Waterous Company. May be obtained from:

C.W. Marsh Company, Muskegon, MI 49443

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