
SPLIT-COUPLED INLINE PUMP WITH INTEGRATED VARIABLE FREQUENCY DRIVE REPLACEMENT PARTS GUIDE TYPE VLSE

This guide is valid for all Grundfos CBS Inc. products beginning with product code 28 only.

While Grundfos CBS Inc. In-Line Pumps are designed and built to provide maximum life while requiring minimum attention and service, replacement parts may at times be required. **Virtually All Required Parts are Available In Kit Form.**

These kits (easily selected from the charts on the following pages) have been designed to ensure that any parts needed when replacing any Inline Pump component are furnished when you need them, with minimal effort.

GUIDELINES AND SUGGESTIONS:

The pump nameplate and motor frame size supplies all data required in the selection and ordering of the proper replacement parts kit. The **PUMP MODEL AND SERIAL NUMBER** should be referenced whenever any replacement parts kit is ordered, while the **pump conditions** (GPM/TDH) and **impeller trim** are required data for the ordering of replacement impellers.

TO REPLACE A MECHANICAL SEAL

Select the correct Seal Kit, which contains the volute and backplate gaskets as appropriate. Shaft sleeve and shaft inspection is suggested, and replacement made as indicated.

TO REPLACE IMPELLER

An Impeller Kit is required; a Wear Ring Kit is highly recommended, and a Seal or Packing Kit will provide all other normally replaced components.

TO REPLACE WEAR RINGS

A Wear Ring kit is required. A Seal/Packing Kit will provide all other normally replaced components. Shaft sleeve inspection is suggested.

TO REPLACE GASKETS

Order appropriate individual Gaskets, as needed.

TO REPLACE LOST/DAMAGED HARDWARE

Hardware Kits are available, for 175 PSI units. (For 250 PSI refer to factory).

PLACING AN ORDER

After determining and selecting the required Kit(s), or for selection assistance, contact your local Grundfos sales office, representative, or distributor.

TYPE VLSE, SPLIT COUPLED INLINE REPLACEMENT PARTS

PUMP MODEL NO.	CONST. CODE	IMPELLER KIT			WEAR RING KIT	HARDWARE KIT	SEAL KIT
		BRONZE	N.A. Bronze	IRON			
1270-7	X3XXXX	91911005		96647857	91910538	91910593	See page 3 for seal selection
1570-9	X3XXXX	91911000		91911001	91910539	91910593	
2070-5	X3XXXX	91909739		91909740	91910540	91910593	
2570-9	X3XXXX	91911595		91911596	91910541	91910593	
3070-7	X3XXXX	91909762		91909763	91910542	91910593	
4070-7	X3XXXX	91909772		91909773	91910544	91910593	
5070-7	X3XXXX	91909783		91909784	91910548	91910593	
2095-1	X3XXXX	91909791		91909792	91910540	91910595	
2095-5	X3XXXX	91909793		91909795	91910540	91910595	
2095-9	X3XXXX	91911017		91911018	91910540	91910595	
2595-3	X3XXXX	91909815		91909816	91910541	91910595	
3095-7	X3XXXX	91911369		91911370	91910542	91910595	
4095-7	X3XXXX	91911630	97642561	91911633	91910543	91910595	
4095-7	XAXXXX	91911637	96762426	91911638	91910567	91910596	
5095-7	X3XXXX	91909863	97920032	91909865	91910549	91910595	
5095-7	X4XXXX	91909867	97684756	91909870	91910549	91910596	
6095-7	X4XXXX	91909187	98090499	91909188	91910551	91910596	
8095-1	XAXXXX	91909898		96769173	91910554	91910596	
2512-1	X3XXXX	91909901		91909902	91910541	91910598	
3012-3	X3XXXX	91909908		K1069-C	91910542	91910598	
3012-3	XAXXXX	91909915		91909916	91910542	91910599	
4012-1	XAXXXX	91909919	97793607	97529187	91910555	91910599	
4012-7	XAXXXX	91911375	97767356	91909924	91910555	91910599	
5012-9	XAXXXX	91911367	97692846	91911368	91910556	91910599	
5012A	XAXXXX	91909218	98382920	-	91910556	91910559	
6012-5	XAXXXX	91909957	97951786	91909958	91910558	91910599	
8012-3	XAXXXX	91909965	97767354	91909967	91910561	91910599	

TYPE VLSE, SPLIT COUPLED INLINE REPLACEMENT PARTS
MECHANICAL SEAL KITS

Select appropriate seal kit by matching desired seal code with pump model & construction code.

AVAILABLE SEAL MATERIALS & PROPERTIES					
Seal Code->	1XXXXX	7XXXXX	6XXXXX	2XXXXX	8XXXXX
Max Temp.	211°F	211°F	250°F	275°F	211°F
Max Press*.	175 PSI	175 PSI	175 PSI	175 PSI	350 PSI
Refer to Note #	-	-	1	1	3, 6
Type	21	21	21	21	1B
Elastomer	Buna N	Buna N	Viton	Viton	Buna N
Rot. Element	Carbon	Carbon	Carbon	Carbon	Carbon
Stationary Seat	Ceramic	Ni Resist	Ni Resist	Tung Crbd	Ni Resist
Spring	18-8 S/S	18-8 S/S	18-8 S/S	18-8 S/S	18-8 S/S
Hardware	18-8 S/S	18-8 S/S	18-8 S/S	18-8 S/S	Brass

CONSTR CODE	MECHANICAL SEAL KIT PART NUMBER				
	X3XXXX	91909162	91909165	91909164	91909163
X4XXXX	91909166	91909170	91909169	91909167	96869886
XAXXXX	91909166	91909170	91909169	91909167	96869886

TYPE VLSE, SPLIT COUPLED INLINE REPLACEMENT PARTS

Motor Frame Size	Construction Code	Pump Size	Shaft Kits
182/184TC	7", 9.5"	X3XXXX	98571486
	12"	X3XXXX	98571497
213/215TC	7", 9.5"	X3XXXX	98571478
	12"	X3XXXX	98571487
	12"	XAXXXX	98571499
254/256TC	7", 9.5"	X3XXXX	98571488
	12"	X3XXXX	98571478
	7", 9.5"	X4XXXX	98571485
	9.5"	XAXXXX	98571515
	12"	XAXXXX	98571482
284/286TC	9.5"	X3XXXX	
	9.5"	X4XXXX	
	9.5", 12"	XAXXXX	98571482

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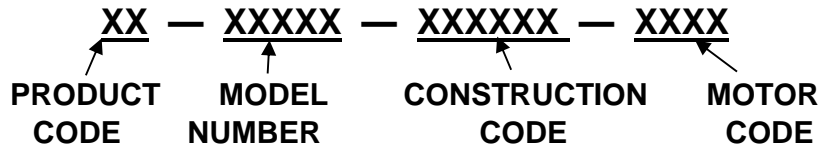
Motor Frame Size	Construction Code	Pump Size	O-Rings	Bushings
182/184TC	X3XXXX	7", 9.5", 12"	91869106	91844356
182/184TC	XAXXXX	12"	91869106	91844355
213/215TC	X3XXXX	7", 9.5", 12"	91869106	91844356
213/215TC	XAXXXX	7", 9.5"	91869106	91844355
213/215TC	X4XXXX	9.5"	91869106	91844355
254/256TC	X3XXXX	7", 9.5", 12"	91869106	91844356
254/256TC	XAXXXX	7", 9.5", 12"	91869106	91844355
254/256TC	X4XXXX	7", 9.5"	91869106	91844355
284/286TC	XAXXXX	9.5", 12"	91869106	91844355
284/286TC	X4XXXX	7"	91869106	91844355
284/286TC	XAXXXX	7"	91869106	91844355

TYPE VLSE, SPLIT COUPLED INLINE REPLACEMENT PARTS

Motor Frame Size	Construction Code	Pump Size	Hardware Kits
184-286TC	X3XXXX X4XXXX	7"	98467976
182-405TC	X4XXXX X3XXXX XAXXXX	9.5"	98468694
182-405TC	X3XXXX X4XXXX XAXXXX	12" 9.5" 12"	98468716
284/286TC	X3XXXX X4XXXX	9.5"	98468751
284/286TC	XAXXXX	12"	98468753

Construction Code	Pump Size	Gasket Part Number	Gasket Description
X3XXXX X4XXXX	7"	91848837	Volute Gasket
X3XXXX X4XXXX XAXXXX	9.5"	91849028 91848837	Volute Gasket Backplate Gasket
X3XXXX XAXXXX	12"	91848843 91848837	Volute Gasket Backplate Gasket

EXPLANATION OF PUMP CODING-
(REFER TO PUMP NAMEPLATE)



NOTE: This Replacement Parts Guide is valid for all PACO products beginning with product code 28 only.

KIT COMPONENTS

- IMPELLER KIT:**
- Impeller
 - Volute Gasket
 - Backplate Gasket
 - Impeller Cap Screw
 - Impeller Washer
 - Impeller Key
 - Impeller Nut

- WEAR RING KIT:**
- Wear Rings, Bronze

- HARDWARE KIT:**
- Cap Screws

- SEAL KIT:**
- Mechanical Seal
 - Seal Cap O-Ring

- Non-kitted parts**
- Gaskets
 - Seal Cap O-rings
 - Bushings
 - Couplings
 - Key Sets for Couplings

- SHAFT KIT:**
- Shaft
 - Bushing
 - Seal Cap O-Ring

NOTES:

Kits may not contain all parts listed. They are individually selected for each pump, according to the pump construction and design.

Seal Kits are always recommended as spare parts.