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

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

While Paco 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	X3	91911005		96647857	91910538	91910593	See page 3 for seal selection
1570-9	X3	91911000		91911001	91910539	91910593	
2070-5	X3	91909739		91909740	91910540	91910593	
2570-9	X3	91911595		91911596	91910541	91910593	
3070-7	X3	91909762		91909763	91910542	91910593	
4070-7	X3	91909772		91909773	91910544	91910593	
5070-7	X3	91909783		91909784	91910548	91910593	
2095-1	X3	91909791		91909792	91910540	91910595	
2095-5	X3	91909793		91909795	91910540	91910595	
2095-9	X3	91911017		91911018	91910540	91910595	
2595-3	X3	91909815		91909816	91910541	91910595	
3095-7	X3	91911369		91911370	91910542	91910595	
4095-7	X3	91911630	97642561	91911633	91910543	91910595	
4095-7	XA	91911637	96762426	91911638	91910567	91910596	
5095-7	X3	91909863	97920032	91909865	91910549	91910595	
5095-7	X4	91909867	97684756	91909870	91910549	91910596	
6095-7	X4	91909187	98090499	91909188	91910551	91910596	
8095-1	XA	91909898		96769173	91910554	91910596	
2512-1	X3	91909901		91909902	91910541	91910598	
3012-3	X3	91909908		K1069-C	91910542	91910598	
3012-3	XA	91909915		91909916	91910542	91910599	
4012-1	XA	91909919	97793607	97529187	91910555	91910599	
4012-7	XA	91911375	97767356	91909924	91910555	91910599	
5012-9	XA	91911367	97692846	91911368	91910556	91910599	
5012A	XA	91909218	98382920	-	91910556	91910559	
6012-5	XA	91909957	97951786	91909958	91910558	91910599	
8012-3	XA	91909965	97767354	91909967	91910561	91910599	

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 Temperature	211°F	211°F	250°F	275°F	211°F
Max Pressure	175 PSI	175 PSI	175 PSI	175 PSI	350 PSI
Type	21	21	21	21	1B
Elastomer	Buna N	Buna N	Viton	Viton	Buna N
Rotating 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				
X3	91909162	91909165	91909164	91909163	96869395
X4	91909166	91909170	91909169	91909167	96869886
XA	91909166	91909170	91909169	91909167	96869886

HARDWARE KITS

Motor Frame Size	Construction Code	Pump Size	Hardware Kits
184-286TC	X3	7"	98467976
	X4		
182-405TC	X4	9.5"	98468694
	X3		
	XA		
182-405TC	X3	12"	98468716
	X4	9.5"	
	XA	12"	
284/286TC	X3	9.5"	98468751
	X4		
284/286TC	XA	12"	98468753

GASKETS

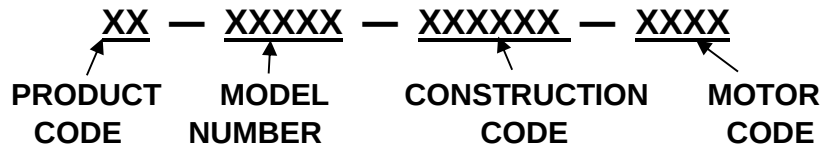
Construction Code	Pump Size	Gasket Part Number	Gasket Description
X3 X4	7"	91848837	Volute Gasket
X3 X4 XA	9.5"	91849028 91848837	Volute Gasket Backplate Gasket
X3 XA	12"	91848843 91848837	Volute Gasket Backplate Gasket

VLSE, SPLIT COUPLED INLINE REPLACEMENT PARTS

Motor Frame Size	Construction Code	Pump Size	Shaft Kits
182/184TC	X3	7", 9.5"	98571486
		12"	98571497
213/215TC	X3	7", 9.5"	98571478
		12"	98571487
	XA	12"	98571499
254/256TC	X3	7", 9.5"	98571488
		12"	98571478
	X4	7", 9.5"	98571485
		9.5"	98571515
	XA	12"	98571482
		9.5"	98571482
284/286TC	X3	9.5"	98571482
	X4	9.5"	
	XA	9.5", 12"	

Motor Frame Size	Construction Code	Pump Size	O-Rings	Bushings	Coupling Kits
182/184TC	X3	7", 9.5", 12"	91869106	91844356	98456268
	XA	12"		91844355	
213/215TC	X3	7", 9.5", 12"	91869106	91844356	98456285
	XA	7", 9.5"		91844355	
	X4	9.5"			
254/256TC	X3	7", 9.5", 12"	91869106	91844356	98456288
	XA			91844355	
254/256TC	X4	7", 9.5"	91869106	91844355	98456288
284/286TC	XA	9.5", 12"	91869106	91844355	98456289
	X4	7"			98456874
	XA				

EXPLANATION OF PUMP CODING-
(REFER TO PUMP NAMEPLATE)



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KIT COMPONENTS

IMPELLER KIT:

Impeller
Volute Gasket
Backplate Gasket
Impeller Cap Screw
Impeller Washer
Impeller Key
Impeller Nut

SEAL KIT:

Mechanical Seal
Seal Cap O-Ring

WEAR RING KIT:

Wear Rings, Bronze

Non-kitted parts

Gaskets
Seal Cap O-rings
Bushings
Couplings
Key Sets for Couplings

HARDWARE KIT:

Cap Screws

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.