

**VERDERFLEX®**



# Peristaltic Industrial Hose Pump

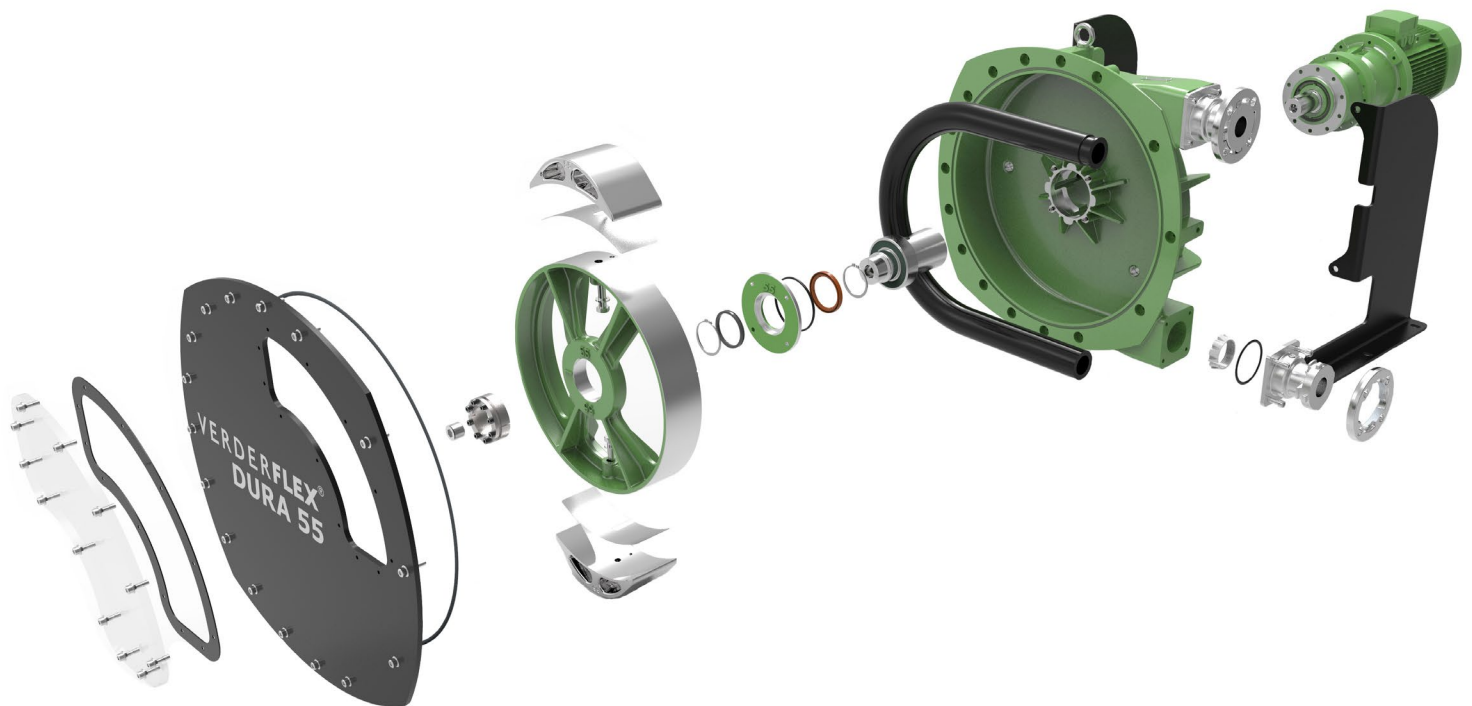
Spare Parts List

Dura 45 and 55 series

Version 2.6v-01/2022

Print-No. 01

Original instructions (en)





Version 2.6v-01/2022  
Print-No. 01



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## 1. About

This document contains a list of spares to help maintain and repair the Dura 45 and 55 series (D45/D55/D55HF) peristaltic pumps. If in doubt, please contact your local Verder distributor and provide the pump serial number for genuine Verderflex® spares.

### 1.1 Pump layout – Exploded view Dura 45

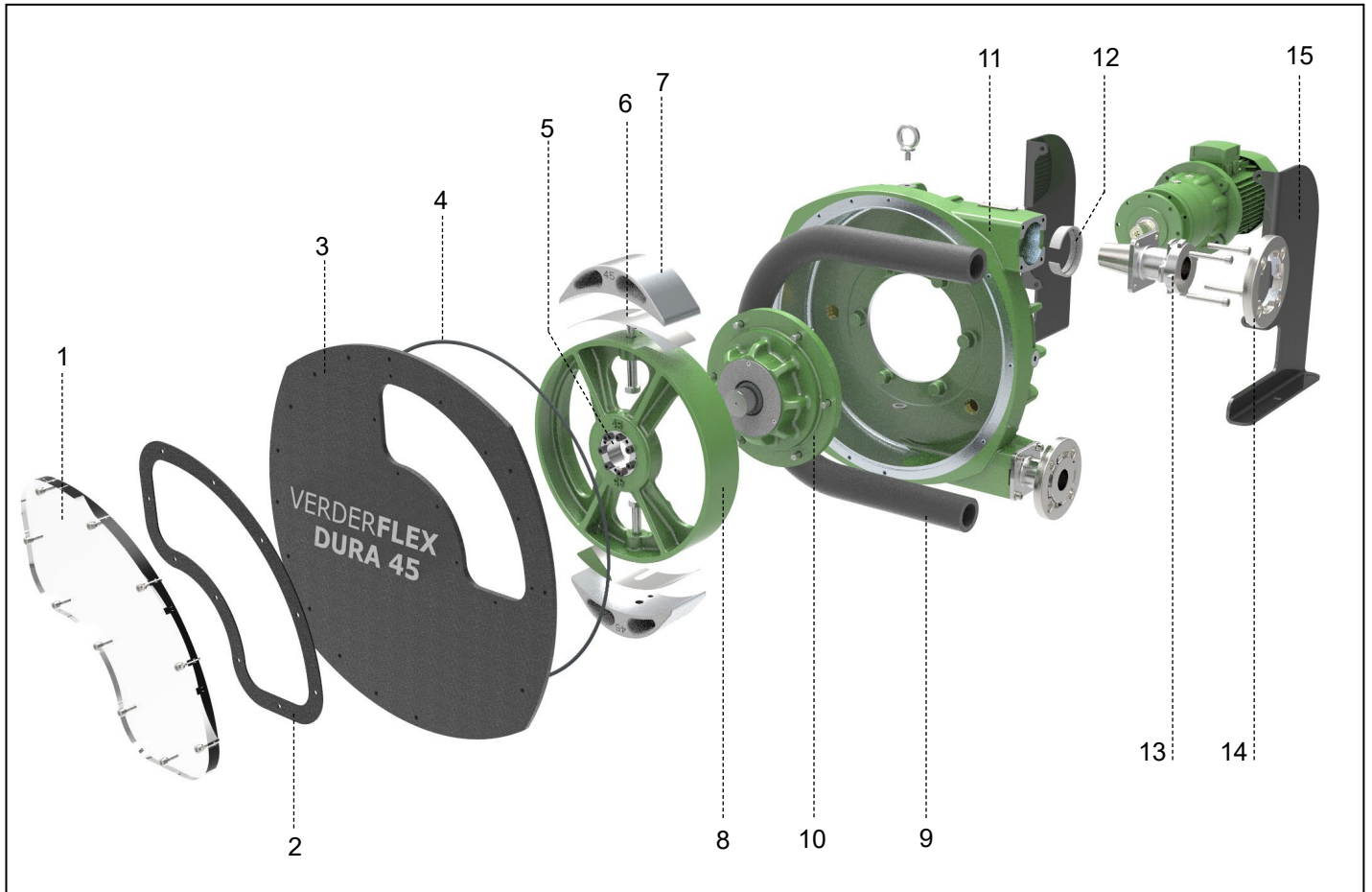


Figure 1 Layout - Dura 45 - Generic View

1	Inspection Window	6	Shims	11	Pump Casing
2	Inspection Window Gasket	7	Rotor Shoe	12	Clamp Ring
3	Front Cover	8	Rotor	13	Port Flange
4	Front Cover O-Ring	9	Hose	14	¼ Turn Flange
5	Rotor Mounting Bush	10	Bearing Housing	15	Mounting Frame

## 1.2 Pump layout – Exploded view Dura 55 series

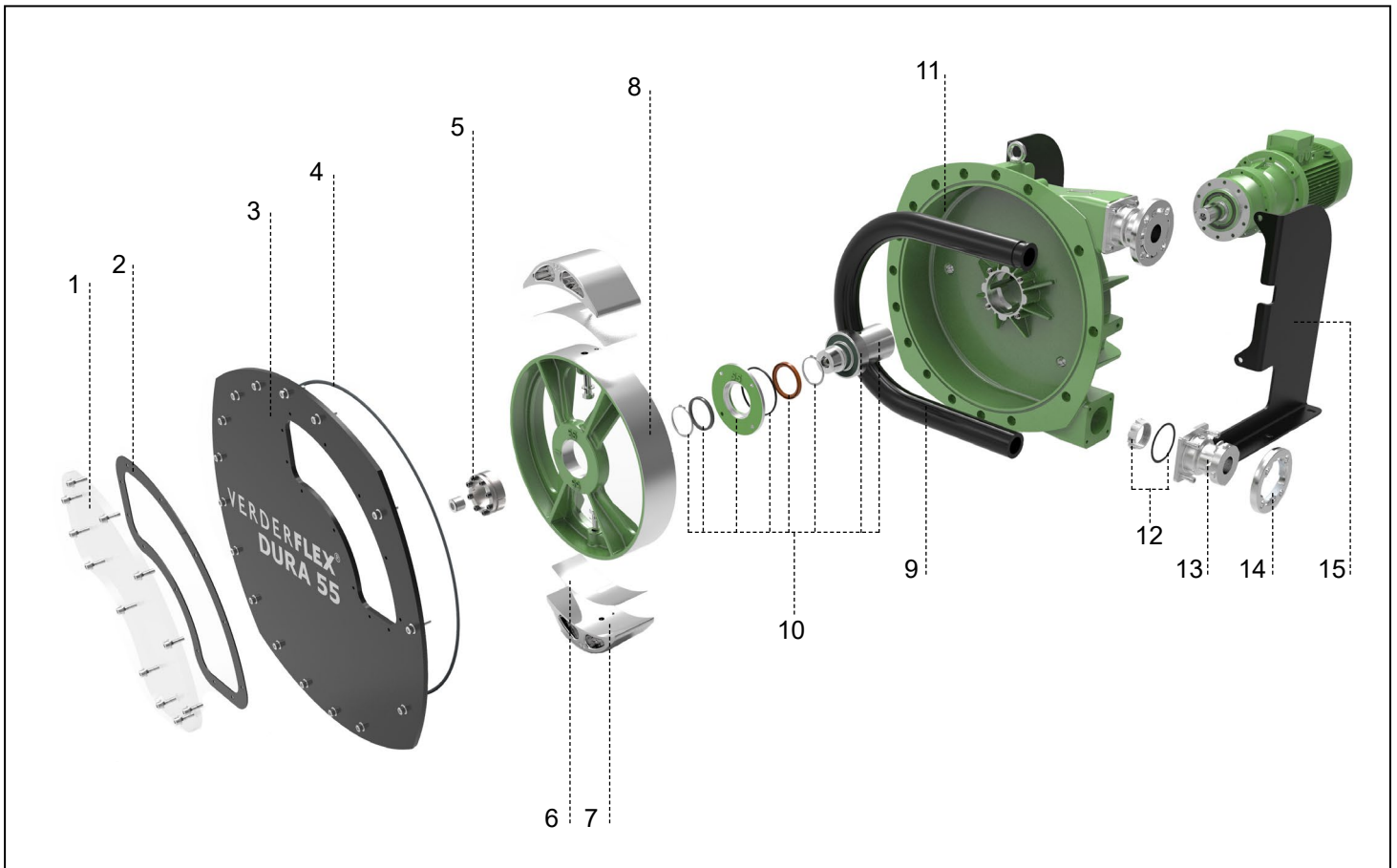









Figure 2 Layout - Dura 55 series - Generic View









1	Inspection Window	6	Shims	11	Pump Housing
2	Inspection Window Gasket	7	Rotor Shoe	12	Clamp Ring
3	Front Cover	8	Rotor	13	Port Flange
4	Front Cover O-Ring	9	Hose	14	¼ Turn Flange
5	Rotor Mounting Bush	10	Seal Kit and Bearing <sup>1)</sup>	15	Frames

<sup>1)</sup> Applies to Dura MKIII 55 & 55HF only. (→ refer to Dura 55 series operating manual)




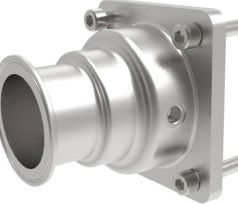


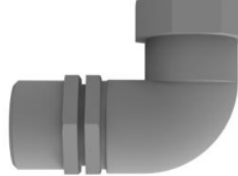
## 2. Spare parts list

ITEM	DESCRIPTION	PART No.		QTY	REFERENCE
1.	Front Cover Inspection Window	D45	139.2225.P	1	
		D55 series	139.1019		
2.	Front Cover Inspection Window Gasket	D45	139.2234	1	
		D55 series	139.120		
2.1	Front Cover Inspection Window and Gasket Assembly	D45	139.2225.PA	1	
		D55 series	139.1038		
	Front Cover Inspection Window and Gasket Assembly for ATEX Rated Pumps	D45	139.2226		
		D55 series	149.0204		
3.	Front Cover	D45	139.1043.ST	1	
		D55 series	139.1016		
3.1	Front Cover Assembly	D45	139.1043.A	1	
		D55	139.1044.A		
		D55HF	149.5513		
4.	Front Cover O-ring	D45	139.1079	1	
		D55 series	139.1017		
5.	Rotor Mounting Bush	D45	139.8007	1	
		D55 series	139.1005		

## Spare Parts List (continued)







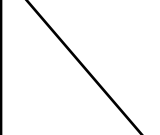




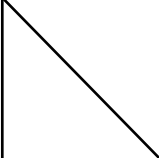



ITEM	DESCRIPTION	PART NO.		QTY	REFERENCE
6.	Shims (pack of 20)	D45	139.8007	1	
		D55 series	139.1390		
7.	Rotor Shoe	D45	139.8019.A	1	
		D55 series	139.8020.A		
8.	Rotor	D45	139.2051.CI	1	
		D55 series	139.1013		
9.	Bearing Housing	D45	139.8001.A	1	
		D55 series	N/A		
9.1	Bearing Housing Seal Kit	D45	139.1454.A	1	
		D55 series	N/A		
9.2	Seal Kit	D45	N/A	1	
		D55 series	149.0200		
9.3	Seal Kit and Bearing	D45	N/A	1	
		D55 series	149.0201		
9.4	Drive Shaft Assembly	D45	N/A	1	
		D55 series (301)	149.0203		
		D55 series (303)	149.5512		

## Spare Parts List (continued)

ITEM	DESCRIPTION	PART NO.		QTY	REFERENCE
10.	Hygienic Flange DIN11851 (supplied in pairs)	D45	149.0213	1	
		D55	149.0214		
		D55HF	149.5514		
10.1	Hygienic Flange Tri Clamp DIN32676 (supplied in pairs)	D45	149.0221	1	
		D55	149.0222		
		D55HF	149.5515		
11.	Mounting Frame	D45	139.2328.A	1	
		D55 series	149.0202		
12.	Drain Assembly	D45 D55 series	139.8055	1	
13.	Filler Assembly	D45 D55 series	139.1762	1	




## Spare Parts List (continued)

ITEM	DESCRIPTION		PART No.		QTY	REFERENCE					
						D45	D55				
14.	Clamp Ring (Supplied as Flange Sealing Kit)		D45	139.1046	1						
			D55	139.1036							
			D55HF	149.5511							
15.	Standard Flange (supplied in pairs)	SS 1pc. Solid	D45	139.8044.A	1						
			D55 D55HF	139.1034 139.5503							
		SS Flange (without Insert)	D45	-							
			D55 D55HF	139.1035 149.5507							
		Split Flange Assembly	D45	139.8052.A							
		SS Flange (complete with PP Insert)	D45	139.8054.A							
			D55 D55HF	139.1057 149.5508							
		SS Flange (complete with PVDF Insert)	D45	139.8053.A							
			D55 D55HF	139.1058 149.5509							
		SS Flange (complete with SS Insert)	D55 D55HF	139.1056 149.5510							
		15.1	Flange Insert	PP			D45	139.8054	1		
								PVDF			
PP	D55			139.2157							
				PVDF	139.2158						
SS	139.2156										
PP	D55HF			149.5504							
				PVDF	149.5505						
				SS	149.5506						



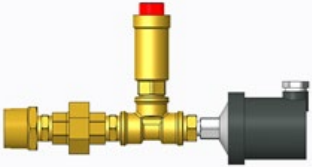
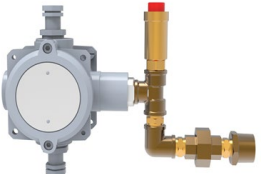
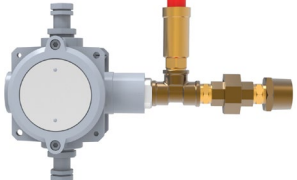

## 3. Parts for reference

(not supplied as individual spares by Verder)






ITEM	DESCRIPTION	PART NO.		REFERENCE
1.	Mounting Frame Fasteners	D45	M12 x 25 - 10.9 Steel BZP	
		D55 series	M16 x 30 - 10.9 Steel BZP	
2.	Rotor Shoe Fasteners	D45	M16 x 60 - 10.9 Steel BZP	
		D55 series	M16 x 75 - 10.9 Steel BZP	
3.	Bearing Housing Fasteners	D45	M12 x 35 - 10.9 Steel BZP	
4.	Front Cover Screws	D45	M8 x 35 - 12.9 Steel BZP	
		D55 series	M10 x 40 - 12.9 Steel BZP	
5.	Port Flange Screws	D45	M10 x 70 - 12.9 Steel BZP FULL THD	
		D55 series	M12 x 40 - 12.9 Steel BZP	
6.	Inspection Windows Screws	D45	M6 x 25 - 12.9 Steel BZP	
		D55 series	M6 x 27 - 8.8 Steel BZP	

ITEM	DESCRIPTION	PART NO.		REFERENCE
WASHERS	Mounting Frame	D45	M12 serrated external	
	Inspection Window		M6 Form A BZP	
	Front Cover		M8 Form A BZP	
	Rotor Shoe		M16 Form A BZP	
	Mounting Frame	D55 series	M16 Spring Washer	
	Inspection Window		M8 Form A BZP	
	Front Cover		M10 Form A BZP	
	Rotor Shoe		M16 Form A BZP	

## 4. Accessories

ITEM	DESCRIPTION	PART NO.		QTY	REFERENCE
1.	High Level Sensor	D45	139.8048	1	
		D55 series			
2.	Low Level Sensor	D45	Obsolete	-	
		D55 series			
3.	Hose burst kit (non-ATEX)	D45	127.0720	1	
		D55 series			
4.	Hose burst and vent kit (for ATEX rated pumps)	D45	149.0729	1	
		D55 series	149.0730	1	
5.	Revolution Sensor	D45	129.0805	1	
		D55 series			

## 5. Hose options

ITEM	DESCRIPTION		Part No		Qty	REFERENCE
1.	NR/White	singles	D45	139.0005	1	
			D55	139.0006		
			D55HF	139.0007		
2.	NBR/Yellow	singles	D45	139.0516	1	
			D55	139.0517		
3.	NBRF/Yellow + White	singles	D45	139.2025	1	
			D55	139.2026		
4.	Hypalon® / Green	singles	D45	139.2014	1	
			D55	139.2015		
5.	EPDM/Red	singles	D45	139.0014	1	
			D55	139.0015		
			D55HF	139.0019		

## 6. Lubricants

The pump must always be filled with the correct amount of lubricant (just below inspection window).  
The following table indicates the standard amount of lubricant supplied with Dura pumps in litres and US gallons.

Pump Size	Lubricant	Standard Quantity Supplied with Pump	Part No
Dura 45	Verderlube®	10L (2.64 US gal)	129.1421
	VerderSil®		129.1376
Dura 55	Verderlube®	15L (3.96 US gal)	129.1417
	VerderSil®		129.1378

## 7. Document history

Release	Description	Date	Approved
v2.6	D55HF details added, general tidy and update.	JAN '22	ISH

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