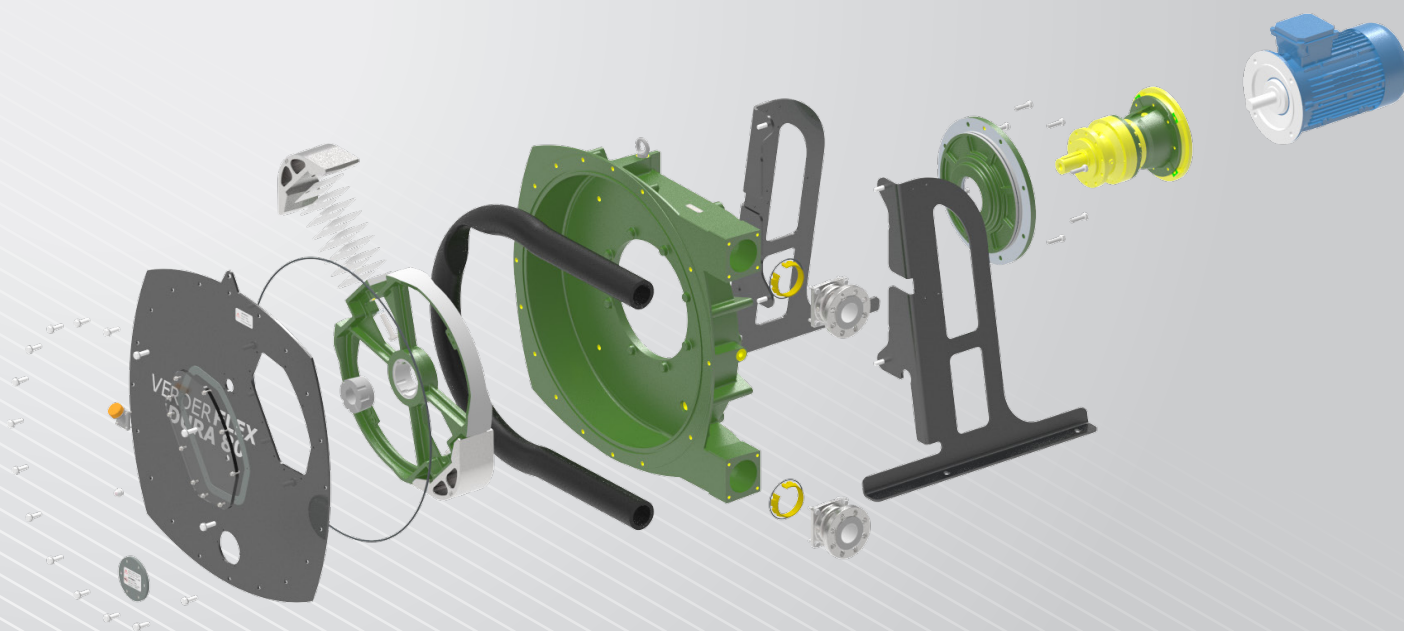


DURA Peristaltic hose pump

DURA 80 / DURA 100



EN Spare parts



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A **VERDER** BRAND

Version 1.4

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1. ABOUT

This document contains a list of spares to help maintain and repair the Dura 80 and 100 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

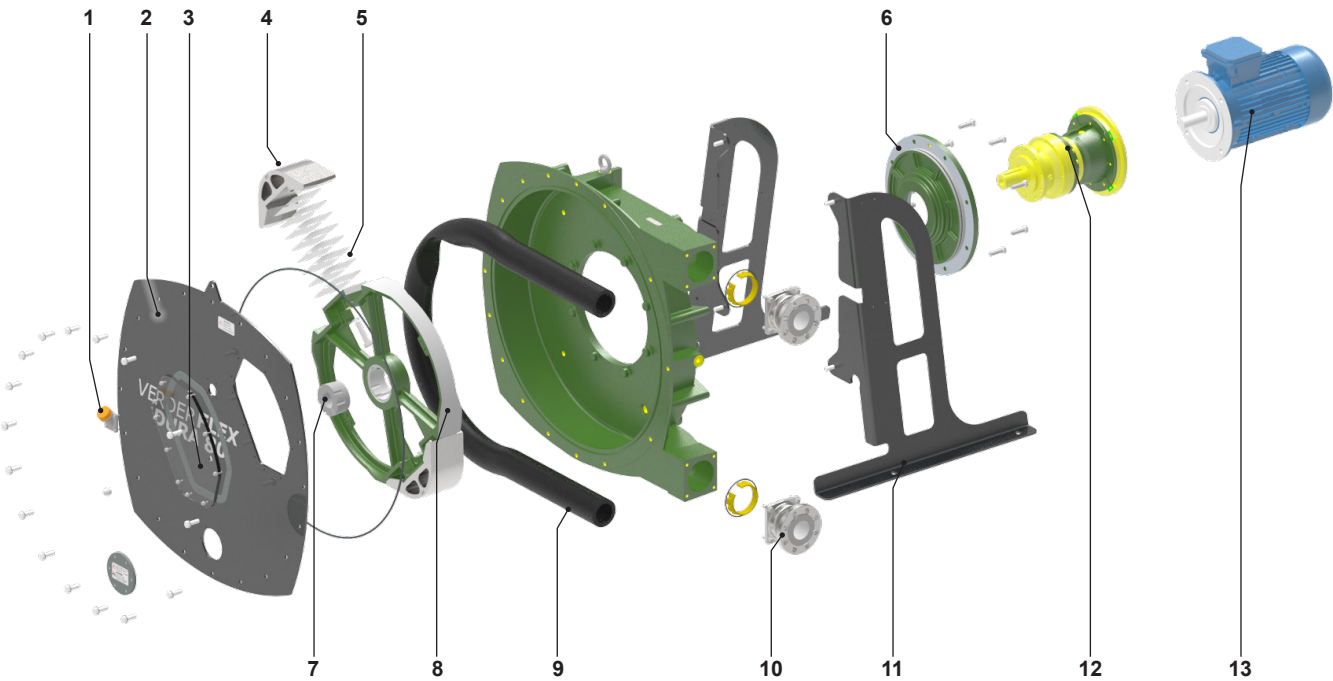
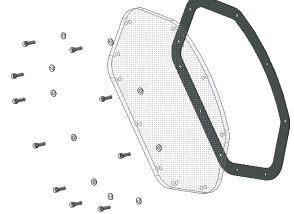
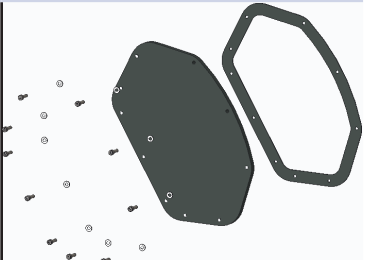
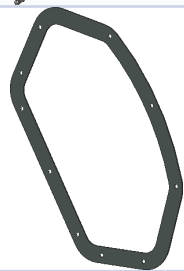
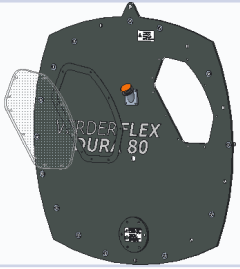


Figure 1. - Layout Dura 80/100 (generic view)

1	Filler port	6	Gearbox adaptor (D80 only)	11	Frame
2	Front cover assembly	7	Taperlock bush	12	Gearbox
3	Front cover inspection window	8	Rotor assembly	13	Motor
4	Rotor shoe assembly	9	Hose		
5	Shims pack	10	Port flange assembly		

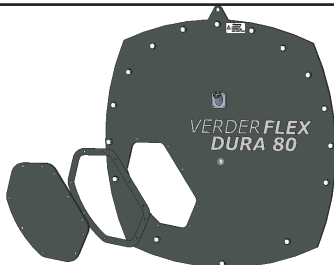
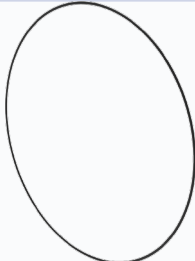
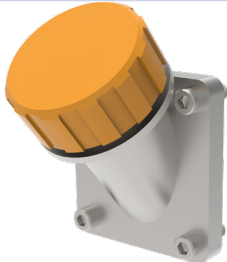
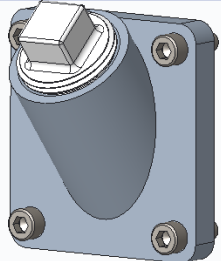
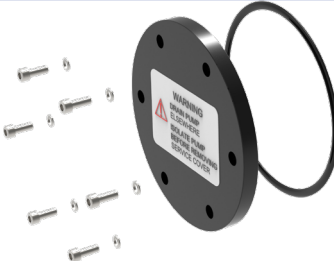
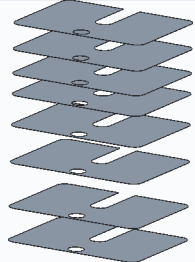
2. SPARE PARTS LIST

Item	Description	Weight (Kg)	Part No.	Qty	Image
		Dura 80 / 100	Dura 80 / 100		
1	Front Cover inspection window and gasket assembly	2.7 / 3.5	149.8001 / 149.7001	1	
	ATEX front cover inspection window and gasket assembly*	16 / 21	149.8006 / 149.7006	1	
	Inspection window gasket	0.07 / 0.08	149.8050 / 149.7050	1	
2	Front cover assembly	94 / 134.5	149.8002 / 149.7002	1	
	ATEX front cover assembly	107 / 151.8	149.8007 / 149.7007	1	
	Front cover assembly Pos. 4	92 (D80 only)	149.8005	1	

* ATEX spare parts will only be sold to customers who have bought a Factory ATEX rated pump. The pump's serial number is mandatory when ordering ATEX spare parts.

** Filler Assembly for Dura 80/100 pump fitted with a Hose Burst and Vent Kit (ATEX or non-ATEX) is required to ensure the pressure switch is triggered when a hose bursts.

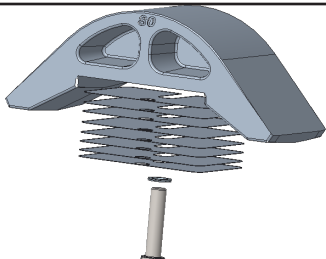
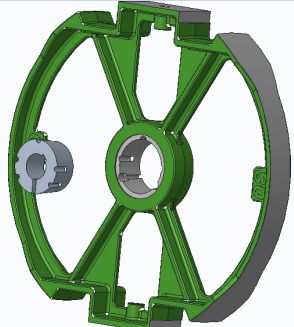
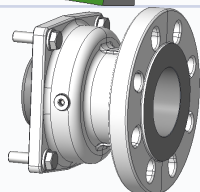
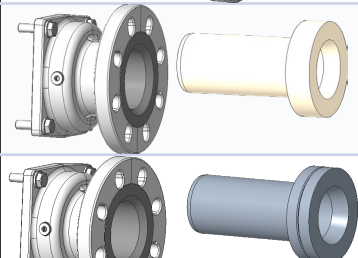
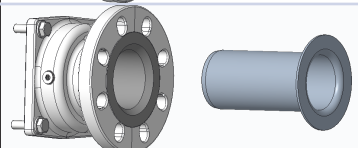
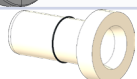
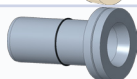
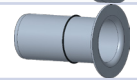
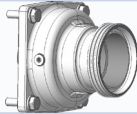
VERDERFLEX DURA 80, 100 PERISTALTIC HOSE PUMPS

Item	Description	Weight (Kg)	Part No.	Qty	Image
		Dura 80 / 100	Dura 80 / 100		
2	ATEX front cover assembly Pos. 4*	105 (D80 only)	149.8008	1	
	Front cover O-ring	0.17 / 0.20	149.8051 / 149.7051	1	
2.1	Filler port kit	0.25	149.6503	1	
	Filler port kit for pump fitted with hose burst and vent kit**	0.26	149.6541	1	
2.2	Service cover kit	3.1	149.6504	1	
3	Shims (pack of 18)	1.5 / 3.4	149.8013 / 149.7013	1	

* ATEX spare parts will only be sold to customers who have bought a Factory ATEX rated pump. The pump's serial number is mandatory when ordering ATEX spare parts.

** Filler Assembly for Dura 80/100 pump fitted with a Hose Burst and Vent Kit (ATEX or non-ATEX) is required to ensure the pressure switch is triggered when a hose bursts.

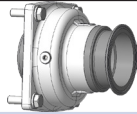
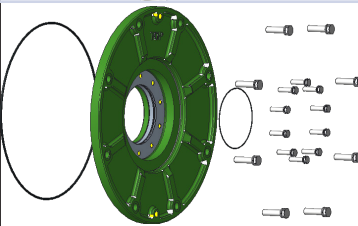
VERDERFLEX DURA 80, 100 PERISTALTIC HOSE PUMPS

Item	Description		Weight (Kg)	Part No.	Qty	Image
			Dura 80 / 100	Dura 80 / 100		
4	Rotor shoe kit		20 / 36.5	149.8014 / 149.7014	1	
5*	Rotor assembly (D80)		65	149.8012.60 (60 bore T-lock bush) 149.8012.75 (75 bore T-lock bush) 149.8012.80 (80 bore T-lock bush) 149.8012.90 (90 bore T-lock bush)	1	
	Rotor assembly (D100)		115	149.7012	1	
6	Standard flange (supplied in pairs)	SS 1pc. Solid	18 / 31.4	149.8016 / 149.7016	1	
		SS flange without insert	16.5 / 28.7	149.8017 / 149.7017	1	
		SS flange complete with PP insert	17.5 / 29.7	149.8018 / 149.7018	1	
		SS flange complete with PVDF insert	18.5 / 30.5	149.8019 / 149.7019	1	
		SS flange complete with SS insert	18.5 / 31.6	149.8020 / 149.7020	1	
6.1	Flange insert (supplied in pairs)	PP	1	149.8036 / 149.7036	1	
		PVDF	2 / 1.8	149.8037 / 149.7037	1	
		SS	2 / 2.9	149.8038 / 149.7038	1	
6.2	Hygienic flange DIN11851 (supplied in pairs)		10	149.8039 (D80 only)	1	

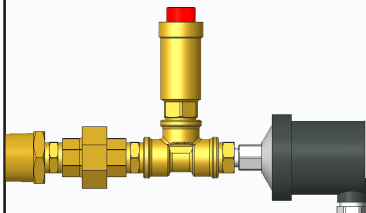
* ATEX spare parts will only be sold to customers who have bought a Factory ATEX rated pump. The pump's serial number is mandatory when ordering ATEX spare parts.

** Filler Assembly for Dura 80/100 pump fitted with a Hose Burst and Vent Kit (ATEX or non-ATEX) is required to ensure the pressure switch is triggered when a hose bursts.

VERDERFLEX DURA 80, 100 PERISTALTIC HOSE PUMPS

Item	Description		Weight (Kg)	Part No.	Qty	Image
			Dura 80 / 100	Dura 80 / 100		
6.3	Hygienic flange DIN32676-A (supplied in pairs)		10	149.8040 (D80 only)	1	
6.4	Clamp ring (supplied as flange sealing kit)		0.2 / 0.4	149.8015 / 149.7015		
7	Gearbox adaptor (D80 only)	305	50	149.8023	1	
		306	46	149.8024	1	
8	Mounting frame assembly	Standard	75 / 126.3	149.8021 / 149.7021	1	
		VF80 footprint VF100 footprint	67 184	149.8022 149.7022	1	
9	Drain assembly		1.5	149.6532	1	

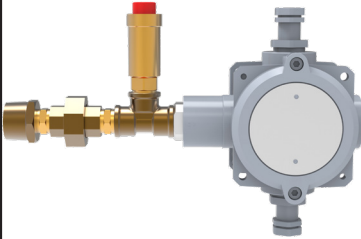
2.2. Accessories

Item	Description	Weight (Kg) 80 / 100	Part No. Dura 80 / 100	Qty	Image
1	High/low level sensor	3.1	149.8033 / 149.7033	1	
2	Hose burst kit	2.3	129.0720	1	

* ATEX spare parts will only be sold to customers who have bought a Factory ATEX rated pump. The pump's serial number is mandatory when ordering ATEX spare parts.

** Filler Assembly for Dura 80/100 pump fitted with a Hose Burst and Vent Kit (ATEX or non-ATEX) is required to ensure the pressure switch is triggered when a hose bursts.

VERDERFLEX DURA 80, 100 PERISTALTIC HOSE PUMPS

Item	Description	Weight (Kg) 80 / 100	Part No. Dura 80 / 100	Qty	Image
3	Hose burst kit (ATEX)*	2.6	149.0730	1	
4	Revolution sensor	0.1	149.6549	1	

* ATEX spare parts will only be sold to customers who have bought a Factory ATEX rated pump. The pump's serial number is mandatory when ordering ATEX spare parts.

** Filler Assembly for Dura 80/100 pump fitted with a Hose Burst and Vent Kit (ATEX or non-ATEX) is required to ensure the pressure switch is triggered when a hose bursts.

2. 3. Hose options

Type	Application	Weight (Kg) 80 / 100	Part No. 80 / 100	Qty	Image
NR (white)	Suitable for use with lightly corrosive chemicals, highly abrasive slurries, inorganic products, etc	18 / 25	129.0008 / 129.0009	1	
NBR (yellow)	Suitable for use with oily or fatty products, and with organic materials.	18 / 25	129.0519 / 129.0520	1	
NBRF (yellow+white)	Has an FDA approved food grade inner liner for use in EHEDG compliant or similar hygienic applications.	18 / 25	129.2028 / 129.2029	1	
Hypalon® CSM (green)	Use to pump highly corrosive products such as strong oxidising agents.	18 / 25	129.2017 / 129.2018	1	
EPDM (red)	Suitable for corrosive chemicals and inorganic products exceptionally resistant to corrosive chemicals, even those for diffusing media.	18 / 25	129.0017 / 129.0018	1	

2. 4. Lubricants

Type	Application	Quantity		Part No.
		Litres	Gallons	
Verderlube	Food grade lubricant containing glycerine. This lubricant promotes heat transfer from the hose to the pump casing to maximise hose life. Can be used at temperatures ranging from -10°C to 50°C (-50°F to 122°F).	0.5	0.13	129.1418
		1	0.26	129.1419
		2.5	0.66	129.2379
		5	1.32	129.1420
		10	2.64	129.1421
		15	3.96	129.1417
		20	5.28	129.1422
		200	52.83	129.1424
Verdersil	Food grade lubricant containing silicone oil. Can be used at temperatures ranging from -50°C to 100°C (-122°F to 212°F).	0.5	0.13	129.1372
		1	0.26	129.1373
		2.5	0.66	129.2505
		5	1.32	129.1375
		10	2.64	129.1376
		15	3.96	129.1378
		20	5.28	129.1382
		200	52.83	129.1383

2. 5. Misc. for reference

(Not supplied as individual spares by Verderflex)

Location	Description
Mounting frame fasteners (D80)	Screw hex head M16x50 - 10.9 BZP
Mounting frame fasteners (D100)	Screw hex head M24x66 - 12.9 BZP
Rotor shoe fasteners (D80)	Screw hex head M20x90 - 10.9 BZP
Rotor shoe fasteners (D100)	Screw hex head M24x100 - 12.9 BZP
GMU adaptor & GMU screws (307) (D80 only)	Screw hex head set M16x60 - 10.9 BZP
Front cover screws (D80)	Screw hex head set M16x50 - 10.9 BZP
Front cover screws (D100)	Screw hex head set M20x50 - 12.9 BZP
Port flange screws (D80)	Screw hex head set M12x45 - 10.9 BZP
Port flange screws (D100)	Screw hex head set M16x60 - 10.9 BZP
Inspection window screws	Screw socket head cap M8x25 - 8.8 BZP

VERDERFLEX DURA 80, 100 PERISTALTIC HOSE PUMPS

Location	Description
GMU screws (306) (D80)	Screw hex hd set M14x45 - 12.9 BZP
GMU screws (306) (D100)	Screw hex hd set M16x150 - 12.9 BZP
GMU screws (305) D80 only	Screw hex hd set M12x45 - 10.9 BZP
Mounting frame	M16 BZP flat washer (D80 only) M24 BZP flat washer (D100 only)
Inspection window	M8 BZP flat washer
Front cover	M16 BZP flat washer (D80) M20 BZP flat washer (D100)
Rotor shoe	M20 disk lock washer (D80) M24 disk lock washer (D100)
GMU adaptor	M16 BZP flat washer (D80 only)
GMU	Washer spring Ø14, steel BZP (306/310) (D80/D100) Washer spring Ø12, steel BZP (305)(D80 only)

3. DOCUMENT HISTORY

Version	Description	Date	Approved
01	Initial release.	Dec '22	ISH
1.1	Lubricant part numbers update. DIN32676-A updated (page 8).	MAR '23	ISH
1.2	Inspection window screw length reduced, as per MCF774	AUG '23	ISH
1.3	Lubricants section updated	FEB '25	AJB
1.4	Added Dura 100	MAR '25	AJB

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Original manual

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