

## PAL DLW Option, Spare Parts and PM Kit

### 3.1. Spare Parts Order Information for PAL DLW-2 Option

**note**

Please note that this section of Spare Parts is intended for the PAL DLW-2 Option only. The Spare Parts for the previous version, PAL DLW Option, are listed below under point 3.3. The upgrade path from 'DLW' to 'DLW-2' is described under point 3.4.

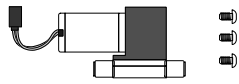
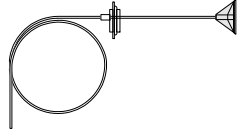
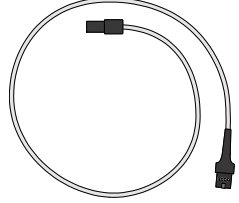
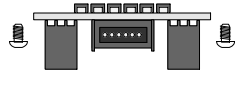
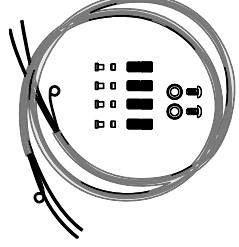
Part No.:	Description	Illustration
<b>DLW Pump Module</b>		
PAL DLWPump	PAL DLW Pump Kit (single module); incl. electrical connections; 24V.	
PAL DiAspKit	Aspiration Tube Kit, consisting of: 1 pc. Tube PFA 1 pc. Glass Filter, 40 µm pore size 1 pc. Plug with feed through hole.	
Cbl R4LX-1300	Cable for PAL-xt Wash Station round connector, length 130 cm	
PAL DLWPCB	PAL DLW Pump Control Module PCB Kit	
PAL TubeDLW	PAL DLW Wash Station Tubing Kit, Consisting of: Tubing set, wire supports and connections.	

Table 12. Spare Parts PAL DLW-2 Option.

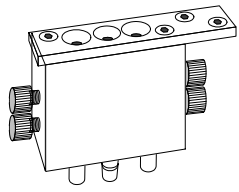
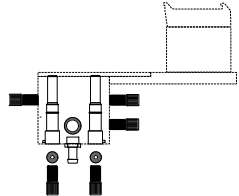

Part No.:	Description	Illustration
<b>DLW Wash Station</b>		
PAL DLWash	PAL DLW Wash Station Block, complete assembly (incl. centering plate).	
PAL DLW Insert	PAL DLW Wash Station Insert Kit, consisting of: 2 pcs Inserts 1 pc. Waste Connector 5 pcs. Dummy Plugs	
PAL TubeWaste	Tube Waste for Wash Station, length 2 m.	

Table 12 (cont'd.). Spare Parts PAL DLW-2 Option.



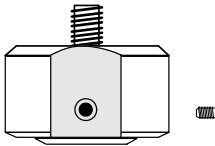
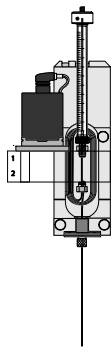

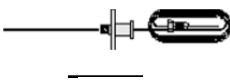
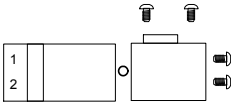
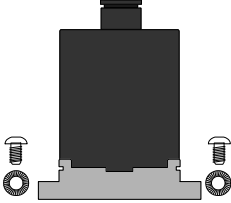
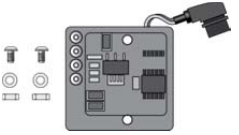
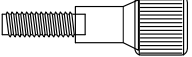
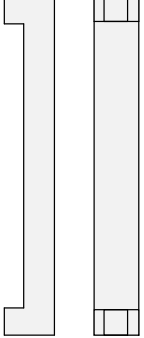
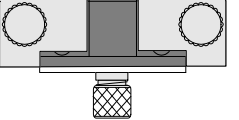
Part No.:	Description	Illustration
<b>DLW Syringe</b>		
SyrC DLW100-R	CTC Syringe for PAL DLW Option, 100 µL gastight; Ø7.7 mm; Scale Length 60 mm; Thread ¼-28 UNF. Removable needle not included.	
PLG DLW 100	Replacement Plunger for Syringe SYRC DLW-R.; pkg of 10.	
PAL DLWPlg	PAL DLW Plunger Holder	
<b>DLW Syringe Holder Assembly</b>		
PAL DLW-2Holder	PAL DLW-2 Syringe Holder Assembly; complete Assembly with Holding Loop (stainless steel) and 100 µL Syringe installed.	
PAL DLW-2Holder-FEP	PAL DLW-2 Syringe Holder Assembly; complete Assembly with Holding Loop (FEP) and 100 µL Syringe installed.	
PAL DLW-2Loop	Kit PAL DLW-2 Holding Loop with Needle, Adapter mounted, including Retaining Nut. Holding Loop: stainless steel.	
PAL DLWLoopKit	Kit PAL DLW-2 Holding Loop with Needle Adapter mounted, PAL DLW Needle incl. Retaining Nut and Flow Diverter. Holding Loop: FEP.	
PAL DLW Manifold	PAL DLW Manifold Kit, complete, assembled.	
PAL DLWAct	PAL DLW Actuator/Solenoid Kit; incl. screws, without cable.	

Table 12 (cont'd.). Spare Parts PAL DLW-2 Option.

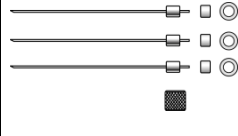
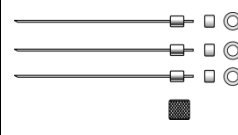
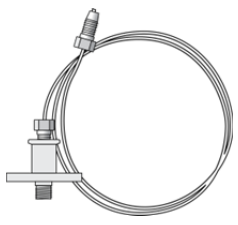
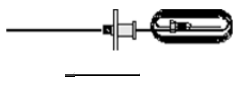

Part No.:	Description	Illustration
PAL DLW-2ActPCB	PAL DLW-2 Actuator Control PCB Kit; incl. cable and screw set.	
PAL DLW Screw	Syringe Holder Fixation Screw, pkg of 1	
PAL DLW NdlTool	PAL DLW Needle Length Guide Tool, pkg of 1.	
PAL DLW-2NHA	PAL DLW-2 Needle Holder Kit	

**Table 12 (cont'd.).** Spare Parts PAL DLW-2 Option.

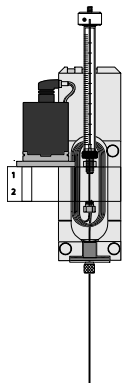
### 3.2. Spare Part Order Information for PAL DLW Option

**note**

Please note that this section of Spare Parts is specific to the PAL DLW Option. The listing below shows only the spare parts which are specific to the 'DLW Option'. The other parts are either identical to the 'DLW-2 Option Spare Parts' or are backwards compatible. The upgrade path from 'DLW' to 'DLW-2' is described under point 3.4.

Part No.:	Description	Illustration
<b>DLW Syringe</b>		
PAL DLWndl	Needle Kit for PAL DLW Option, Gauge 22 PST 3, length 51 mm (3 pcs. per pack); incl. Needle Retaining Nut, Spring Washer and PTFE Seals.	
PAL DLWndl-C	Needle Kit for PAL DLW Option, Gauge 22 PST 3, length 51 mm Needle coated with inorganic glass layer for inertness. (3 pcs. per pack); incl. Needle Retaining Nut, Spring Washer and PTFE Seals.	
<b>DLW Syringe Holder Assembly</b>		
Part No.:	Description	Illustration
PAL DLWLoop	Kit PAL DLW Holding Loop with Needle, Adapter mounted.	
PAL DLWLoopKit	Kit PAL DLW-2 Holding Loop with Needle Adapter mounted, PAL DLW Needle incl. Retaining Nut and Flow Diverter. Loop: FEP.	
PAL DLWFlwDiv	PAL DLW Flow Diverter Pkg of 1.	

If one wishes to upgrade the entire DLW Holder to take advantage of the mechanical changes but the **Holding Loop material FEP** is preferred, use following order information:

PAL DLW-2Holder-FEP	PAL DLW-2 Syringe Holder Assembly; complete Assembly with Holding Loop (FEP) and 100 µL Syringe installed. (Replacement Kit for 'PALDLW Holder.)	
---------------------	--	---