

HISTORY AND REVISION LEVEL SUMMARY

DATE OF CHANGE	DESCRIPTION OF CHANGE AND PAGES OR SECTIONS AFFECTED	ECO NO. AND REVISION LEVEL
9-Apr-01	Misc. changes	ECO #5663 Rev. C
3-Jun-03	Create Lit & Revise Manuals	ECO #7564 Rev. D
19-Dec-05	Updated for BOM changes since 2003 (E4-CE ECO)	ECO #11089 Rev. E
17-May-10	Updated for BOM changes since 2005	ECO #14159 Rev. F
25-Mar-13	Updated to Current BOM	ECO #15573 Rev. G
27-Aug-13	Clarified Where-Used for Tech Support Team	ECO #15850 Rev. H



DRN JNB	DATE 27AUG13	APPD MJG JNB	DATE 17MAY10 25MAR13		H	JNB	27 AUG 13	15850	B
CHK	DATE				REV	APPR	DATE	ECO #	LEV
APPR	DATE				LATEST CHANGE				
				TITLE: SPEC, LIT, E4/EZ4 SPARE PARTS LIST P/N 1200167	CLASS		Doc# 1300494		REV H
					CHG LEVEL	B	SHT	1	OF 1

E4/EZ4 Spare Parts List

DESCRIPTION	PART NUMBER	WHERE USED ¹
Membrane Elements, Filters, and Associated Hardware		
Filter, Cartridge, Depth, RO.Zs 01-20	1236262	
Filter Housing, Polypropylene, 20"	1110573	
Membrane Element, DESAL AG4040TM	3032514	HR(PA) models.
Membrane Element, DESAL AK4040TM	3039149	LE(PA) & EZ4 models.
Membrane Element Housing, 4" x 40", 316	1158645	*Includes shipping box
Pipe Clamp, 4.25" OD (2 required)	1111640	Holds Elem housing to frame
Closure Kit, for 4"x40" Housing	1001065	Includes end caps, clamps, Bushing, Plug, and O-rings.
End Cap, 4", for Flared Element Housing	1158620	
Permeate Plug, 4"	1110455	
Bushing, 304SS, 0.75" MNPT x 0.5" FNPT	1100469	Concentrate In/Out fitting.
O-ring, EPDM 342	1159957	Seal between end cap and housing
O-ring, EPDM 116	1151580	Seal between membrane element and end cap

DESCRIPTION	PART NUMBER	WHERE USED ¹
Electrical		
Electrical Assembly, 60 Hz, ECN	3061334	(New UL system only. Many parts are 24VDC. Contact
Electrical Assembly, 60 Hz, DLX	3059166	Technical Support for models shipped before 2012)
Electrical Assembly, 50 Hz, ECN	3060922	DLX
Electrical Assembly, 50 Hz, DLX	3059167	
Low Inlet Pressure Switch, 3 - 35 PSI (set for 20-25psi on, 12-15psi off)	1262753	
Time Delay Relay (24-240Vac, 10sec)	1262671	DLX
Autoflush Timer, 60 Hz	1162279	DLX (Prior to 2012)
Autoflush Timer, 50 Hz	1162280	DLX (Prior to 2012)
Motor Overload, 3.2 - 16.0A	1223320	All models except 575VAC
Motor Overload, 1.0 - 5.0A	1223319	Used on some 575VAC units
Motor Starter, with Enclosure, 120V	1223322	60 Hz Models
Motor Starter, with Enclosure, 220V	1223323	50 Hz Models

¹ If not specified, used on all models

E4/EZ4 SPARE PARTS LIST

DESCRIPTION	PART NUMBER	WHERE USED ¹
Instrumentation		
Conductivity Sensor	1232087	DLX
Conductivity Meter w/ sensor, VDC	1230443	DLX
Conductivity Meter w/ sensor, VAC	1238674	DLX (Prior to 2012)
Flow Meter, 0.5 - 5.0 GPM	1110581	2200-6600
Flow Meter, 2 - 10 GPM	1110582	8800-13200
Pressure Gauge, 0 - 100 PSI	1116808	
Pressure Gauge, 0 - 300 PSI	1113485	

DESCRIPTION	PART NUMBER	WHERE USED ¹
Valves		
Concentrate Needle Valve (23gph)	1158819	E4-2200
Concentrate Needle Valve (60gph)	1231494	E4-4400
Concentrate Needle Valve (90 gph)	1231493	E4-6600
Concentrate Needle Valve (95gph)	1158821	E4-8800
Concentrate Needle Valve (120gph)	1158822	E4-11000
Concentrate Needle Valve (142gph)	1158684	E4-13200
Recycle Needle Valve	1158618	
Autoflush Solenoid Valve, 220VAC, 50 Hz	1009937	Prior to 2012
Autoflush Solenoid Valve, 220 VAC, 60 Hz	1009930	Prior to 2012
Autoflush Solenoid Valve, 24VDC	3059090	
Inlet Solenoid Valve, 115VAC, 60 Hz	1001105	Includes Molex connector, ECN, 60Hz (Prior to 2012)
Inlet Solenoid Valve, 220VAC, 50 Hz	1001353	Includes Molex connector, ECN, 50Hz (Prior to 2012)
Inlet Solenoid Valve, 24VDC	3101584	DLX

DESCRIPTION	PART NUMBER	WHERE USED ¹
Hoses & Tubing		
Hose, Hydraulic, 0.625" ID, 300 PSI	1159078	High-Pressure Plumbing
Tubing, Nylon, 0.25" OD	1110092	High Pressure Gauges
Tubing, Polyethylene, 0.25" OD, Blue	1159644	Low Pressure Gauges
Tubing, Polyethylene, 0.50" OD, Blue	1159646	Permeate Plumbing

¹ If not specified, used on all models

E4/EZ4 SPARE PARTS LIST

DESCRIPTION	PART NUMBER	WHERE USED ¹
Connections & Fittings		
Connector, Brass, HSB x MPT, 0.62"x 0.5"	1159077	
Connector, PPL, Tube x MPT, 0.25"	1110294	
Connector, PPL, Tube x MPT, 0.50"	1110298	
Connector, PPL, Tube x FPT, 0.25"	1110435	
Elbow, 90°, PPL. MPT x Tube, 0.25"	1110129	
Elbow, 90°, PPL. MPT x Tube, 0.50"	1110024	
Elbow, 90°, PPL. MPT x Tube, 0.38"x 0.50"	1110303	
Tee, PPL, Tube, 0.50"	1110308	

DESCRIPTION	PART NUMBER	WHERE USED ¹
Pumps (all motors are TEFC)		
Pump, TF SS1809X, 1.5 HP, 460vac, 3Φ, 60Hz	1121151	2200-8800, 60Hz, LE(PA)
Pump, TF SS1812X, 2 HP, 460vac, 3Φ, 60Hz	1123370	11000-13200, 60Hz, LE(PA)
Pump, TF SS1816X, 3 HP, 460vac, 3Φ, 60Hz	1120918	2200-8800, 60Hz, HR(PA)
Pump, TF SS1823XB, 5 HP, 460vac, 3Φ, 60Hz	1200333	11000-13200, 60Hz, HR(PA)
Pump, TF SS1816X-50, 2HP, 380vac, 3Φ, 50Hz	1121848	2200-8800, 50Hz, LE(PA)
Pump, TF SS1812G-50, 3HP, 380vac, 3Φ, 50Hz	1123565	11000-13200, 50Hz, LE(PA)
Pump, TF SS1823XB-50, 3HP, 380vac, 3Φ, 50Hz	1200334	2200-8800, 50Hz, HR(PA)
Pump, TF SS1828XB-50, 4HP, 380vac, 3Φ, 50Hz	1126028	6600-8800, 50Hz, HR(PA), CE
Pump, TF SS1832XB-50, 5HP, 380vac, 3Φ, 50Hz	1200332	11000-13200, 50Hz, HR(PA)
Tonkaflo Pump Mounting Bracket	1125913	
Pump Discharge Screen, 1.25"	1120264	
Mechanical Coupling with EPDM Gasket, 1.25"	1157370	

DESCRIPTION	PART NUMBER	
Literature		
Operation and Maintenance Manual	1233214	

¹ If not specified, used on all models

E4/EZ4 SPARE PARTS LIST

DESCRIPTION	PART NUMBER	
Cleaning Chemicals/Test Kits		
OSMO AD20, 45 lb. pail <i>Acid Cleaner for PA elements</i>	7148015	
OSMO AK110, 45 lb. pail <i>Alkaline Cleaner for PA elements</i>	7148017	
Conductivity Meter <i>Myron L, Handheld</i>	1112316	
pH Test Kit (pH 4-10)	1155478	
pH Indicator Solution	1112844	
Hardness Test Kit	1155479	
Hardness Tablets, #6	1112973	
Hardness Reagent, #6	1112860	
Hardness Reagent, #7	1112972	
Chlorine Test Kit	1155477	
Chlorine Reagent, 500 mL	1113166	
Manual SDI Test Kit	1113664	
AutoSDI Test Kit, 120vac	1227464	
AutoSDI Test Kit, 230vac	1227473	

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