

PARTS LIST

CP-602B-PL



Series 1580

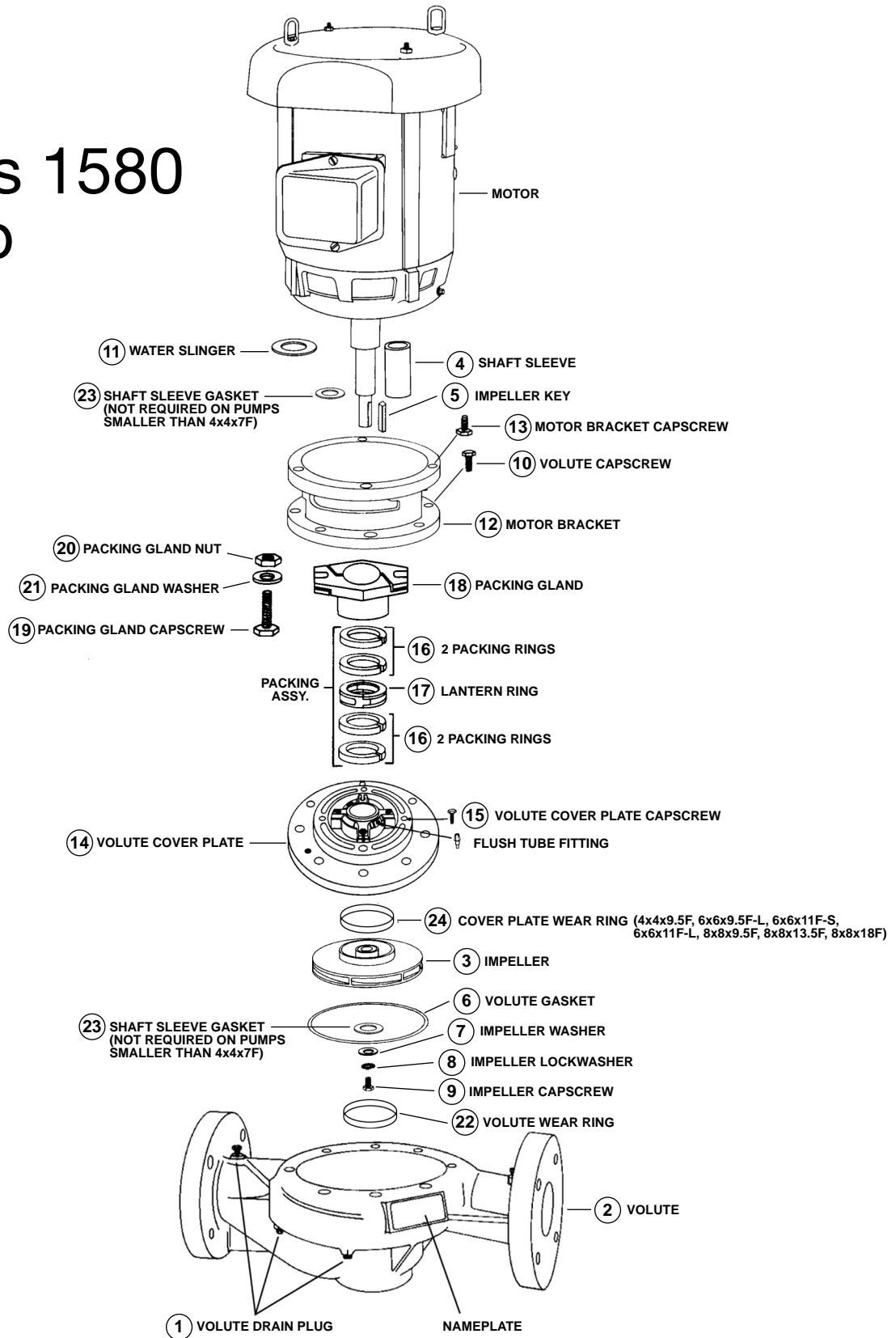
Replacement Parts for 1580 Series In-Line Fire Pumps

AC FIRE PUMP
a xylem brand

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Series 1580 Pump



Item No.	Description	Qty.	1 1/4" Shaft Diameter @ Seal			1 5/8" Shaft Diameter @ Seal					
			1.5x1.5x7F	2.5x2.5x7F	3x3x7F	1.5x1.5x7F	2.5x2.5x7F	2.5x2.5x9.5F	3x3x7F	3x3x9.5F	4x4x7F
			143JP-184JP	143JP-184JP	143JP-184JP	213JP-215JP	213JP-215JP	254JP-326JP	213JP-256JP	284JP-326JP	213JP-326JP
2	Volute	1	P85600*	P85604*	P85608*	P85600*	P85604*	P85606*	P85608*	P85610*	AC8507*
2	Volute (High Pressure)	1	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	AC8508*
22	Volute Wear Ring	1	P46700	P49145	P85399	P46700	P49145	P49130	P85399	P49870	P49142
6	Volute Gasket	1	P57700	→	→	→	→	P48690	P57700	P48690	P57700
10	Volute Capscrew		CP-611-271-465 (8 REQ'D)	→	→	CP-611-271-466 (8 REQ'D)	DJ0081 (8 REQ'D)	CP-611-271-505 (12 REQ'D)	DJ0081 (8 REQ'D)	CP-611-271-505 (12 REQ'D)	DJ0081 (8 REQ'D)
1	Volute Drain Plug (1/4")	5	AC0532	→	→	→	→	→	→	→	P39050 (3)
1	Volute Drain Plug (1/2")		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	CP-711-527-004 (3)
14	Volute Coverplate	1	P85027	→	→	P85035	→	P85039	P85035	P85039	P85035
15	Coverplate Capscrew		CP-611-271-465 (4 REQ'D)	→	→	CP-611-271-466 (8 REQ'D)	CP-611-271-466 (8 REQ'D)	CP-611-271-466 (8 REQ'D)	CP-611-271-466 (8 REQ'D)	CP-611-271-466 (8 REQ'D)	CP-611-271-466 (8 REQ'D)
3	Impeller	1	P85518	P85520	P85522	52-433-358-515	P85532	P85533	P85534	P85535	AC8521
9	Impeller Capscrew	1	CP-611-325-467	→	→	→	CP-611-325-548	→	→	→	P13800
8	Impeller Lockwasher	1	J23874	→	→	→	CP-655-019-036	→	→	→	J23875
7	Impeller Washer	1	P46390	→	→	P51250	→	→	→	→	→
5	Impeller Key	1	52-123-677-015	→	→	52-123-677-014	→	→	→	→	→
4	Shaft Sleeve	1	P85075	→	→	185022	→	→	→	→	185021
23	Shaft Sleeve Gasket	2	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	52-122-982-003
16	Packing Ring Set	1	P82070	→	→	P82072	→	→	→	→	P82072
17	Lantern Ring Set	1	P84985	→	→	P84986	→	→	→	→	→
18	Packing Gland Halves	2	P85048	→	→	P85050	→	→	→	→	→
19	Packing Gland Capscrew	2	J92052	→	→	→	→	→	→	→	→
20	Packing Gland Nut	2	J91659	→	→	→	→	→	→	→	→
21	Packing Gland Washer	2	52-128-437-004	→	→	→	→	→	→	→	J91649
12	Motor Bracket - Motor Frames: 182JP & 184JP	1	P85023	→	→	NONE	NONE	NONE	NONE	NONE	NONE
13	Motor Bracket Capscrew for above	4	CP-611-271-466	→	→	NONE	NONE	NONE	NONE	NONE	NONE
12	Motor Bracket - Motor Frames: 213JP - 256JP	1	NONE	NONE	NONE	P85025	→	→	→	NONE	P85025
13	Motor Bracket Capscrew for above	4	NONE	NONE	NONE	K03600	CP-611-271-544	→	→	NONE	K03600
12	Motor Bracket - Motor Frames: 284JP - 326JP	1	NONE	NONE	NONE	NONE	NONE	P85099	NONE	P85099	→
13	Motor Bracket Capscrew for above	4	NONE	NONE	NONE	NONE	NONE	P19490	NONE	P19490	→
11	Water Slinger	1	P53550	→	→	P77320	→	→	→	→	→

* Includes Wear Ring

→ Factory recommended spare parts.

Item No.	Description	Qty.	4x4x9.5F		6x6x9.5F-L		
			254JP-256JP	284JP-326JP	254JP-256JP	284JP-326JP	364JP-405JP
2	Volute	1	AC8504*	→	P85514*	→	→
2	Volute (High Pressure)	1	AC8505*	→	NONE	NONE	NONE
22	Volute Wear Ring	1	P49142	→	P49143	→	→
6	Volute Gasket	1	P48690	→	→	→	→
10	Volute Capscrew		P03470 (12 REQ'D)	→	→	→	→
1	Volute Drain Plug (1/4")	6	P39050 (3)	P39050 (3)	CP-711-523-002	→	→
1	Volute Drain plug (1/2")		CP-711-527-004 (3)	CP-711-527-004 (3)	NONE	NONE	NONE
14	Volute Coverplate	1	P82937	→	→	→	P58644
24	Coverplate Wear Ring	1	P82935	P82935	P82935	P82935	P82935
15	Coverplate Capscrew	8	P52320	DJ0071	P52320	DJ0071	→
3	Impeller	1	AC8502	→	P58648	→	P58649
9	Impeller Capscrew	1	P13800	→	AC2509	→	→
8	Impeller Lockwasher	1	J23875	→	→	→	→
7	Impeller Washer	1	P51250	→	→	→	AC2506
5	Impeller Key	1	52-123-677-014	→	AC2520	→	AC2519
4	Shaft Sleeve	1	185021	→	→	→	AC0601
23	Shaft Sleeve Gasket	2	52-122-982-003	→	→	→	P58646
16	Packing Ring Set	1	P82072	→	→	→	AC0942 (5 REQ'D)
	Packing Ring Backing	1	NONE	NONE	NONE	NONE	AC0592
17	Lantern Ring Set	1	P84986	→	→	→	AC0803
18	Packing Gland	2	P85050	→	→	→	AC0664 (1 REQ'D)
19	Packing Gland Capscrew	2	J92052	→	→	→	CP-611-327-480
20	Packing Gland Nut	2	J91659	→	→	→	→
21	Packing Gland Washer	2	J91649	→	→	→	→
12	Motor Bracket	1	P85025	P85099	P85025	P85099	→
13	Motor Bracket Capscrew	4	K03600	P19490	K03600	P19490	→
11	Water Slinger	1	P77320	→	→	→	52-108-475-011

* Includes Wear Ring

- Factory recommended spare parts.

Item No.	Description	Qty.	6x6x11F-S		6x6x11F-L	
			254JP-256JP	284JP-326JP	284JP-326JP	364JP-405JP
2	Volute	1	P85641*	→	→	→
2	Volute (High Pressure)	1	P58658*	→	→	→
22	Volute Wear Ring	1	P51390	→	→	→
6	Volute Gasket	1	P80765	→	→	→
10	Volute Capscrew	16	P13780	→	→	→
1	Volute Drain Plug	6	CP-711-523-002	→	CP-711-523-002	→
14	Volute Coverplate	1	P82936	→	P82936	P58642
24	Coverplate Wear Ring	1	P49138	P49138	P49138	P49138
15	Coverplate Capscrew	8	P52320	DJ0071	→	→
3	Impeller	1	P50872	→	P58652	P58653
9	Impeller Capscrew	1	P13800	→	→	→
8	Impeller Lockwasher	1	J23875	→	→	→
7	Impeller Washer	1	P51250	→	P51250	AC2506
5	Impeller Key	1	P49372	→	P49372	AC2508
4	Shaft Sleeve	1	185021	→	185021	AC0601
23	Shaft Sleeve Gasket	2	52-122-982-003 & 52-122-982-001 (1 EA)	→	52-122-982-003	P58646
16	Packing Ring Set	1	P82072	→	P82072	AC0942 (5 REQ'D)
	Packing Ring Backing	1	NONE	NONE	NONE	AC0592
17	Lantern Ring Set	1	P84986	→	P84986	AC0803
18	Packing Gland	2	P85050	→	P85050	AC0664 (1 REQ'D)
19	Packing Gland Capscrew	2	J92271	→	J92271	CP-611-327-480
20	Packing Gland Nut	2	J91659	→	→	→
21	Packing Gland Washer	2	J91649	→	→	→
12	Motor Bracket	1	P85025	P85099	→	→
13	Motor Bracket Capscrew	4	K03600	P19490	→	→
11	Water Slinger	1	P77320	→	P77320	52-108-475-011

* Includes Wear Ring

- Factory recommended spare parts.

Item No.	Description	Qty.	8x8x9.5F		8x8x13.5F	8x8x18F
			284JP-326JP	364JP-405JP	364JP-405JP	364JP-405JP
2	Volute	1	P85516*	→	AC8646*	AC8648*
2	Volute (High Pressure)	1	AC2445*	→	AC8647*	AC8649*
22	Volute Wear Ring	1	P49144	→	P49138	AC8640
6	Volute Gasket	1	P48690	→	P80767	AC8641
10	Volute Capscrew		P03470 (12 REQ'D)	→	K04500 (16 REQ'D)	J92292** (18 REQ'D)
1	Volute Drain Plug (1/4")	3	P39050	→	→	→
1	Volute Drain Plug (1/2")	3	CP-711-523-004	→	→	→
14	Volute Coverplate	1	P82937	P58644	NONE	NONE
24	Coverplate Wear Ring	1	P82935	→	P59543	AC8640
15	Coverplate Capscrew	8	DJ0071	→	NONE	NONE
3	Impeller	1	AC8479	AC8480	P59537	AC8631
9	Impeller Capscrew	1	AC2443	AC2444	AC8629	→
8	Impeller Lockwasher	1	J23875	→	J23875	→
7	Impeller Washer	1	P51250	AC2506	AC2506	AC8642
5	Impeller Key	1	AC2442	AC2441	AC8628	AC8643
4	Shaft Sleeve	1	185021	AC0601	→	→
23	Shaft Sleeve Gasket	2	52-122-982-003	P58646	→	P58646 & AC8644 (1 EA)
16	Packing Ring Set	1	P82072	AC0942 (5 REQ'D)	→	→
	Packing Ring Backing	1	NONE	AC0592	→	→
17	Lantern Ring Set	1	P84986	AC0803	→	→
18	Packing Gland	2	P85050	AC0664 (1 REQ'D)	→	→
19	Packing Gland Capscrew	2	J92052	AC8669	→	→
20	Packing Gland Nut	2	J91659	→	→	→
21	Packing Gland Washer	2	J91649	→	→	→
12	Motor Bracket	1	P85099	→	P59541	AC8638
13	Motor Bracket Capscrew	4	P19490	→	→	→
	Saddle	1	NONE	NONE	AC8668	AC8668
	Saddle Capscrew	4	NONE	NONE	J92298	→
11	Water Slinger	1	P77320	AC8670	→	→

* Includes Wear Ring

**18 washers, CP-651-001-371, also required.

█ - Factory recommended spare parts.

REPAIR KITS FOR SIZES 1.5x1.5x7F THROUGH 4x4x7F

		Minor Repair Kit for 1 1/4" Shaft at Impeller	Minor Repair Kit for 1 5/8" Shaft at Impeller
ASSEMBLY NO.		1DN041	1DN042
PART NAME	QTY.		
Volute Gasket	1	P57700	P57700
Volute Gasket	1	N/A	P48690
Water Slinger	1	P53550	P77320
Packing (Set of 4)	1	P82070	P82072
Lantern Ring Set	1	P84985	P84986
Capscrew (Gland)	2	J92052	J92052
Nut (Gland)	2	J91659	J91659
Washer (Gland)	2	J91649	J91649

		Major Repair Kit for 1.5x1.5x7F (1-1/4" Shaft at Impeller)	Major Repair Kit for 2.5x2.5x7F (1-1/4" Shaft at Impeller)	Major Repair Kit for 3x3x7F (1-1/4" Shaft at Impeller)	Major Repair Kit for 1.5x1.5x7F (1-5/8" Shaft at Impeller)	Major Repair Kit for 2.5x2.5x7F (1-5/8" Shaft at Impeller)	Major Repair Kit for 2.5x2.5x9.5F (1-5/8" Shaft at Impeller)	Major Repair Kit for 3x3x7F (1-5/8" Shaft at Impeller)	Major Repair Kit for 3x3x9.5F (1-5/8" Shaft at Impeller)	Major Repair Kit for 4x4x7F (1-5/8" Shaft at Impeller)
ASSEMBLY NO.		1DN043	1DN044	1DN045	1DN070	1DN047	1DN046	1DN048	1DN049	1DN071
PART NAME	QTY.									
Volute Gasket	1	P57700	P57700	P57700	P57700	P57700	N/A	P57700	N/A	P57700
Volute Gasket	1	N/A	N/A	N/A	N/A	N/A	P48690	N/A	P48690	N/A
Water Slinger	1	P53550	P53550	P53550	P77320	P77320	P77320	P77320	P77320	P77320
Packing (Set of 4)	1	P82070	P82070	P82070	P82072	P82072	P82072	P82072	P82072	P82072
Lantern Ring Set	1	P84985	P84985	P84985	P84986	P84986	P84986	P84986	P84986	P84986
Capscrew (Gland)	2	J92052	J92052	J92052	J92052	J92052	J92052	J92052	J92052	J92052
Nut (Gland)	2	J91659	J91659	J91659	J91659	J91659	J91659	J91659	J91659	J91659
Washer (Gland)	2	J91649	J91649	J91649	52-128-437-004	J91649	J91649	J91649	J91649	J91649
Volute Wear Ring	1	P46700	P49145	P85399	P46700	P49145	P49130	P85399	P49870	P49142
Shaft Sleeve	1	P85075	P85075	P85075	185022	185022	185022	185022	185022	185021

REPAIR KITS FOR SIZES 4x4x9.5F THROUGH 8x8x18F

		Minor Repair Kit for 4x4x9.5F (254JP-326JP Frame)	Minor Repair Kit for 6x6x9.5F-L (254JP-326JP Frame)	Minor Repair Kit for 8x8x9.5F (284JP-326JP Frame)	Minor Repair Kit for 6x6x9.5F-L (364JP-405JP Frame)	Minor Repair Kit for 8x8x9.5F (364JP-405JP Frame)	Minor Repair Kit for 6x6x11F-S&-L (254JP-326JP Frame)	Minor Repair Kit for 6x6x11F-L (364JP-405JP Frame)	Minor Repair Kit for 8x8x13.5F (364JP-405JP Frame)	Minor Repair Kit for 8x8x18F (364JP-405JP Frame)
ASSEMBLY NO.		1DN051			1DN053	1DN074	1DN055	1DN057	1DN068	1DN076
PART NAME	QTY.									
Volute Gasket	1	P48690			P48690	P48690	P80765	P80765	P80767	AC8641
Shaft Sleeve Gasket	1	52-122-982-003			P58646	P58646	52-122-982-003 (2)	P58646	P58646	P58646
Shaft Sleeve Gasket	1	52-122-982-003			P58646	P58646	52-122-982-001 (1)	P58646	P58646	P58646
Water Slinger	1	P77320		52-108-475-011	AC8670	P77320	52-108-475-011	AC8670	AC8670	
Packing Ring Set	1	P82072		AC0942 (5)	AC0942 (5)	P82072	AC0942 (5)	AC0942 (5)	AC0942 (5)	
Packing Ring Backing	1	NONE			AC0592	AC0592	NONE	AC0592	AC0592	AC0592
Lantern Ring Set	1	P84986			AC0803	AC0803	P84986	AC0803	AC0803	AC0803
Capscrew (Gland)	2	J92052			CP-611-327-480	AC8669	J92271	CP-611-327-480	AC8669	AC8669
Nut (Gland)	2	J91659			J91659	J91659	J91659	J91659	J91659	J91659
Washer (Gland)	2	J91649			J91649	J91649	J91649	J91649	J91649	J91649
Washer (Seal)	1	AC2507			AC2507	AC2507	AC2507	AC2507	AC2507	AC2507

		Major Repair Kit for 4x4x9.5F (254JP-326JP Frame)	Major Repair Kit for 6x6x9.5F-L (254JP-326JP Frame)	Major Repair Kit for 8x8x9.5F (284JP-326JP Frame)	Major Repair Kit for 6x6x9.5F-L (364JP-405JP Frame)	Major Repair Kit for 8x8x9.5F (364JP-405JP Frame)	Major Repair Kit for 6x6x11F-S&-L (254JP-326JP Frame)	Major Repair Kit for 6x6x11F-L (364JP-405JP Frame)	Major Repair Kit for 8x8x13.5F (364JP-405JP Frame)	Major Repair Kit for 8x8x18F (364JP-405JP Frame)
ASSEMBLY NO.		1DN072	1DN052	1DN073	1DN054	1DN075	1DN056	1DN058	1DN069	1DN077
PART NAME	QTY.									
Volute Gasket	1	P48690	P48690	P48690	P48690	P48690	P80765	P80765	P80767	AC8641
Shaft Sleeve Gasket	1	52-122-982-003	52-122-982-003	52-122-982-003	P58646	P58646	52-122-982-003 (2)	P58646	P58646	P58646
Shaft Sleeve Gasket	1	52-122-982-003	52-122-982-003	52-122-982-003	P58646	P58646	52-122-982-001 (1)	P58646	P58646	P58646
Water Slinger	1	P77320	P77320	P77320	52-108-475-011	AC8670	P77320	52-108-475-011	AC8670	AC8670
Packing Ring Set	1	P82072	P82072	P82072	AC0942 (5)	AC0942 (5)	P82072	AC0942 (5)	AC0942 (5)	AC0942 (5)
Packing Ring Backing	1	NONE	NONE	NONE	AC0592	AC0592	N/A	AC0592	AC0592	AC0592
Lantern Ring Set	1	P84986	P84986	P84986	AC0803	AC0803	P84986	AC0803	AC0803	AC0803
Capscrew (Gland)	2	J92052	J92052	J92052	CP-611-327-480	AC8669	J92271	CP-611-327-480	AC8669	AC8669
Nut (Gland)	2	J91659	J91659	J91659	J91659	J91659	J91659	J91659	J91659	J91659
Washer (Gland)	2	J91649	J91649	J91649	J91649	J91649	J91649	J91649	J91649	J91649
Washer (Seal)	1	AC2507	AC2507	AC2507	AC2507	AC2507	AC2507	AC2507	AC2507	AC2507
Volute Wear Ring	1	P49142	P49143	P49144	P49143	P49144	P51390	P51390	P49138	AC8640
Shaft Sleeve	1	185021	P78737	185021	AC0601	AC0601	P78737	AC0601	AC0601	AC0601

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- 2) a leading global water technology company.

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