

Spare parts list



Illustration: MPD Esso Enterprise

MPD Esso Enterprise

Design New Image with

- | | | |
|------------------------------|---|--------------------------------|
| Pumping unit | - | ZPA 2180 |
| Gilbarco Piston Meter | - | C-Meter |
| Pulser | - | Gilbarco |
| Computer | - | Epsilon-Computer |
| Middle Speed = 80 L/min | - | MS - with separate hose |
| Vapour recovery System - VRS | - | Dürr pump |
| Submerged turbine pump | - | DP (STP) |

Special colours and special lettering of rear- / front panels as well as Special equipment please see order.

Technical subject to change.

Document not subject to updating service



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Released by	24.10.2001	EZ Entwicklung - Zulassungen	Kersting	

Type key

Example : **MPD-Esso-Enterprise New Image** 8 / 4 / 8 C DK DP
6 / 3 / 6 C F DK VRS MS

Modular Petrol Dispenser -
pump type **Esso-Enterprise New Image**

Number of C-Meters

Number of pumping units

Number of hoses

C = C-Meter - Gilbarco Piston Meter with Eltomatic pulser

Hoses on one side only:

- A = Hoses Drive side = Carriageway side 1
- F = Hoses Filter side = Carriageway side 2

DK = 1 Pumping unit with Diesel-Fuel

VK = Pumping unit with Petrol-Fuel

VRS = Vapour recovery system

MS = Middle Speed = 80 L/min with separate hose

Submerged turbine pump **DP** (STP)

Instructions for ordering spare parts

1. First of all find out the page-no. of the spare part drawing/illustration and the spare part list in the table of contents.
2. Now find the Item-No. of the spare part in the spare part drawing/illustration.
3. In the spare part lists you find the description, article-no. and number of pieces under the Item number (if necessary with sub-item).

The number of pieces for bolts, screws, linking elements and other accessories refer to one piece of the preceding sub-assembly.

Pay attention to the corresponding notes.

4. Spare part order should contain the following information:

Part No.

Description (if necessary, colour etc.)

Number of quantity (Qty.)

Type and year of construction of the petrol pump

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Pressure relief valve DBV-E-140 for MS	5.3.2
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MPD Esso Enterprise New Image

- Hydraulic - and - Hydraulic-Module -

SPARE PARTS LIST
Drawing 120 095 104 / 16 / 17

Page 1.1 and 1.2

24.10.2001 / ED / Meier



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	Pumping unit ZP(A) 2180	<i>for underground and aboveground storage tanks, without venting - s. item 34 without float breather vent - s. item 34 bypass valve with pressure relief valve. outlet connector = 1" int. connector for venting = 1/4" int. with magnet switch, cable 1,5m with cap 1 1/2" (without filter element)</i>	7	1	140 646 212	Pipe 28 x 2 ZPA 2180 >>> C-Meter, for module 1 - 4, cpl. with union nut <i>Mounting kit, gasket and blind flange for single sided MPD s. Item 8 - 10</i>
a)		140 640 310	- for Petrol	8			Connection fitting for ZP(A) 2180 - outlet:
b)		140 640 320	- for Diesel	a)	1	140 536 836	O-ring 30 x 3
			<i>Piece parts s. page 5.1</i>	b)	1	140 639 003	Red.-nipple 1 1/4" x 1" x 62 long
2.1	4	140 644 556	Self-tapping hex. hd. screw M8 x 25	c)	1	140 060 980	O-ring 35 x 3
2.2	4	140 039 830	Washer 8,4	9			Connection fitting for C-Meter - inlet:
2.3	1	140 635 942	Angle profile	a)	1	140 687 086	O-ring 40 x 3,5
3.1	1	Filter DN50-AL	with 1 non return valve valve cone with pressure relief valve cpl., but without filter element s. Item 3.2	b)	1	140 642 696	Hex. hd. screw 5/16" x 25, hex. 1/2"
a)		140 568 221	- Standard - with bayonet catch	c)	1	140 040 730	Lock washer A 8,4
			<i>Piece parts s. page 6</i>	d)	2	140 662 216	Hex. hd. screw 5/16" x 25, hex. 1/2" with seal hole and lock washer
b)		140 632 703*	- Compression proof, filter cover with 4 hex. hd. screws for aboveground storage tanks and STP				<i>For C-Meter mounting:</i>
			<i>*) for GB and IT with compression ring 140 618 234 to deliver - s. page 7.2, item 7</i>	e)	2	140 642 696	Hex. hd. screw 5/16" x 25, hex. 1/2"
			<i>Piece parts s. page 6</i>	f)	2	140 040 730	Lock washer A 8,4
3.2		Filter-element , ø100/50 x 90 long,		10			Blind flange and gasket for single sided MPD:
a)	1	140 418 056	- for Petrol, 12µm	a)	1	140 650 284	Three angle gasket, blind
b)	1	140 418 066	- for Diesel, 25µm	b)	1	140 650 274	Three angle blind flange with 3 x M8 IT
4		Caps and Spillage cover :		c)	1	140 031 550	Hex. hd. screw M8 x 25
a)	1	140 653 313	Cap Ø152/180/54 x 20 high for flexible pipe DN50	d)	2	140 038 260	Hex. hd. screw M8 x 25 with seal hole
b)	1	140 610 633	Cap Ø145/170 x 20 high, blind	11	1	140 705 075	C-Meter PA024TC24 version with shaft, routine test, with sealing <i>Spare parts s. page 8.1 and mounting s. page 8.3</i>
5		140 660 182	Electric single-phase motor 0,75 kW cpl.	12	1	140 620 186	Check valve , with relief valve 43 psi, implemented in the entry stub of the C-Meter
		140 646 302	Electric three-phase motor 0,75 kW cpl.	13			Connection for C-Meter - Exit:
			<i>Piece parts s. page 7</i>	a)	1	140 687 086	O-ring 40 x 3,5
6	1	140 257 140	V-belt 13 x 825	b)	1	140 705 183	Distance ring Ø 73/86 x 5
				c)	1	140 687 086	O-ring 40 x 3,5
				d)	2	140 642 696	Hex. hd. screw 5/16" x 25, hex. 1/2"
				e)	2	140 040 730	Lock washer A 8,4
				f)	2	140 662 216	Hex. hd. screw 5/16" x 25, hex. 1/2" with seal hole and lock washer
				14	1	140 644 076	Magnet valve , cpl. BT606979-02 for Petrol and Diesel, 230V/50Hz, Ex, cable 2m with single magnet coil <i>Spare parts s. page 8.2 Connection for entry s. item 12</i>
				15			Connection for magnet valve - exit:
				a)	1	140 060 990	O-ring 28 x 3,5
				b)	2	140 031 510	Hex. hd. screw M8 x 16
				c)	2	140 039 830	Washer 8,4
				d)	1	140 641 874	Baffle plate Ø9,2/29,5 x 1



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
16	1		Universal - Pulsar for Esso Enterprise GB	Item 101 to . . . for special design			
a)		140 641 076	Universal-pulsar	'MS' = 80 L/min - with separate hose			
b)		140 636 642	Mounting plate	101	1	140 656 320	Pumping unit ZP(A) 2180-140
c)		140 642 263	Holder for pulsar	<i>for underground and aboveground storage tanks, without venting - s. item 34, without float breather vent s. item 34, bypass valve with pressure relief valve., outlet connector = 1" int., connector for venting = 1/4" int., with magnet switch, cable 1,5m, with cap 1 1/2" (without filter element)</i>			
d)		140 644 546	Cross recessed pan head tapping screw H 4,8 x 9,5	<i>Piece parts s. page 5.2</i>			
e)		140 645 166	Cross recessed pan head tapping screw H 3,5 x 6,5	102	1	140 651 696	Hose - C19- black x 3m long
f)		140 330 115	Hex. hd. screw M5 x 10	1" BSP internal thread and 1" BSP external thread, anti kinking sleeves on both sides			
g)		140 039 820	Washer 5,3	103	1	140 665 216	Nozzle - ZVA-25.41 for Diesel plastic-cover EK 144 black
h)		140 645 173	Coupling, c-meter / pulsar	104	-	-	-
i)		140 646 082	Pulsar cpl. (item 16 a + 16 h)	105		140 656 372	Electric three-phase motor 1,5 kW
			<i>Mounting s. page 8.3</i>	cpl.			
17.1	-	140 068 880	Seal wire, length according to statement	<i>Piece parts s. page 7</i>			
17.2	-	140 068 890	Seal Ø 10 x 5 thick, piece according to statement				
18	1	140 681 774	Spring cotter of a bolt φ1,6mm				
19-20	-	-	-				
21-24			Pipe 28 x 2 / 1"- C-Meter >>> hose:				
			Drive side:				
21	1	140 675 303	- Module 1				
22	1	140 675 283	- Module 2				
23	1	140 675 263	- Module 3				
24	1	140 675 243	- Module 4				
			Filter side:				
21	1	140 675 303	- Module 4				
22	1	140 675 283	- Module 3				
23	1	140 675 263	- Module 2				
24	1	140 675 243	- Module 1				
25	1	140 646 974	Pipe nut 1"				
26-33	-	-	-				
34	1	140 711 054	Venting for pumping unit, kit cpl.				
			<i>Piece parts s. item 34.1 - 34.7</i>				
34.1	1	140 492 803	Float breather vent 1/4"				
34.2	1	140 649 324	Sleeve 1/4"				
34.3	1	140 472 656	Connection fitting X-WE 10-R, without sleeve nut and triple strainer				
34.4	1	140 658 972	Pipe 10 x 1 Float breather >> housing, with sleeve nut and triple strainer				
34.5	1	140 638 946	Hex. hd. screw B M16 x 1,5				
34.6	1	140 623 644*	Housing				
34.7	1	140 623 654*	Sieve Ø16 (mounting into the housing item 34.6)				
			*) cpl. = 140 623 124				
35-100	-	-	-				



MPD Esso Enterprise New Image

Hoses, Nozzles, Nozzle boot, Frames,
Panels, Dial plates and Signposting

SPARE PARTS LIST
Drawing 120 095 104 / 19 / 20

Page 2.3

13.11.2001 / ED / Meier

Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1			Frame for MPD Esso Enterprise, cpl.,	17.1	1	140 640 483	Lock bar for housing above, left
a)	1	140 661 050	- for 8/4/8 and 2/1/2	17.2	1	140 640 493	Lock bar for housing above, right
b)	1	140 676 500	- for 8/0/8 and 2/0/2	<i>Two lock bars, left and right, for one housing</i>			
2.1	1	140 738 446	Coax-Hose for VRS Slimline 21 GR black x 3,30m long anti kinking sleeves on both sides	18	1	140 653 360	Front panel for display housing, drive side
3	1	140 691 816	Hose Slimline C16 black x 3,28m long for Diesel and Petrol without BSP 1" internal thread and BSP 1" external thread anti kinking sleeves on both sides	19	1	140 652 480	Front panel for display housing, filter side, with manager door and cyl. lock
4	1		Nozzle ZVA X204-GRV 3, VRS	20	1	140 652 584	Lock bar for front panel
a)	1	140 715 766	- for Petrol unleaded plastic cover green without Coax-Break; s. <i>Item 5</i>	20.1	1	140 041 450	Lock washer
b)	1	140 715 776	- for Petrol leaded plastic cover red without Coax-Break; s. <i>Item 5</i>	20.2	1	140 652 566	Lock-Clip
5	1	140 563 276	Safety swivel Coax-Break 21 with BT21 green	20.3	1	140 651 076	Pin 3,2/8 x 13
6	1	140 738 456	Nozzle ZVA 4.1 SSB mod.1A, plastic cover EK144 black, without safety swivel; s. <i>item 7</i>	20.4	-	140 646 466	Cell-elastic 10 x 4, one sided adhesive
7	1	140 675 386	Safety swivel SSB16.1 M34 x 1,5AG x 1" IG for Petrol without VRS and for Diesel	21	1	140 652 153	Manager-Door for display housing
8	1		Nozzle boot: (<i>Details s. page 9</i>)	22.1	1	140 652 846	Cyl. lock
8.1	1	140 639 902	Holder for nozzle boot	22.2	1	140 652 854	Lock lever for manager-door
8.2	1	140 647 663	Flat gasket	22.3	1	140 653 966	Nylon-Washer
8.3	1	140 647 532	Frame for nozzle boot	22.4	1	140 653 956	Spring for cyl. lock
8.4	1	140 647 542	Nozzle boot	22.5	1	140 652 084	Axis for manager-door
8.5	1	140 398 820	Washer 5,3	23	1	140 663 061	Dial plate
8.6	1	140 031 390	Hex. hd. screw M5 x 10	24	1	140 647 703	Panel for dial plate
8.7	1	140 649 386	Cyl. screw M5 x 12	25	1	140 652 464	Dial glass
9	1		Panels for socket:	26			Plugs for boreholes:
a)	1	140 640 233	Panel for socket, drive side	a)	1	140 652 546	- for 10mm borehole, Nylon, white
b)	1	140 640 253	Panel for socket, filter side	b)	1	140 652 236	- for 28mm borehole, Nylon, white
10	1	140 527 746	Thread-cutting screws with cross recess and countersunk head	c)	1	140 652 226	- for 35mm borehole, Nylon, white
11	1	140 649 823	Front-/rear panel for hydraulics housing below	27	1	Grade panels, 177 x 215, adhesive:	
11.1	1	140 650 334	Lip seal 8,2 x 12 x 1,5	a)	1	140 676 422	- for EXTRA , white/transparent
11.2	1	140 649 904	Cyl. screw M8 x 40	b)	1	140 688 563	- for UNLEADED 98 , white green
12	1	140 640 843	Side panel, below	c)	1	140 714 842	- for UNLEADED , white/green
13	1	140 640 693	Side panel above	d)	1	140 704 752	- for SUPER PLUS UNLEADED , white/green
14	1	140 638 843	Cover for hose connection above	e)	1	140 738 473	- for LEAD REPLACEMENT , white/red
15	1		Housing for drive side, above:	f)	1	140 692 983	- for DIESEL 2000 , white/blue
a)	1	140 641 193	- for 2/1/2 DK and 2/0/2 DK	<i>Further special dial plates and grade panels s. confirmation of order and Salzkotten article catalog DK 7317 or 7316</i>			
b)	1	140 641 143	- for 2/1/2 and 2/0/2	28	1	Signposting, for Enterprise:	
c)	1	140 640 213	- for 6/3/6 and 6/0/6	28.1	1	140 661 374	Adhesive film Warning-hint current
16	1		Housing for filter side, above:	28.2	1	140 658 354	Adhesive film Earth
a)	1	140 641 113	- for 2/1/2 and 2/0/2	28.3	1	140 665 094	Adhesive film AC1/DC1
b)	1	140 641 173	- for 2/1/2 DK and 2/0/2 DK	28.4	1	140 665 844	Adhesive film DC1
b)	1	140 640 193	- for 6/3/6 and 6/0/6	28.5	1	140 645 274	Adhesive film for Junction-Box
17	1		Housing for drive and filter side, above:	28.6	1	140 664 694	Adhesive film Power supply
a)	1	140 646 653	- for Blind	28.7	1	140 669 862	Adhesive film Attention ...
b)	1	140 641 063	- for 4/2/4 and 4/0/4	28.8	1	140 713 944	Adhesive film for Filter ...
c)	1	140 645 903	- for 4/2/4 DK and 4/0/4 DK	28.9	1	140 714 414	Adhesive film for Type ...
d)	1	140 640 623	- for 8/4/8 and 8/0/8	28.10	1	140 645 254	Adhesive film for Contact ...
				28.11	1	140 645 263	Adhesive film for Magnet-valve ...
				28.12	1	140 645 294	Adhesive film for Contact ...
				28.13	1	140 645 284	Adhesive film for Contact ...
				28.14	1	140 658 164	Adhesive film for Shield ...
				28.15	1	140 658 884	Adhesive film for Calibration ...
				28.16	1	140 658 154	Adhesive film for Warning ...
				28.17	1	140 658 173	Adhesive film for Epsilon-comp ...
				28.18	1	140 666 584	Adhesive film for Attention ...
				28.19	1	140 658 964	Adhesive film for Directional... below
				28.20	1	140 658 954	Adhesive film for Directional... above
				28.21	1	140 653 464	Adhesive film for Important ...