

Fitting an electric fuel pump E1F as a replacement for a mechanical fuel pump

si 0062 GB

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Vehicle:
Various with mechanical fuel pump

Product: Electric fuel pump E1F
Pierburg-No.: 7.21440.51.0/53.0/63.0/78.0/68.0

Application

Mechanical fuel pumps are used
– in vehicles with carburettor engines
– diesel vehicles as feed pump for supplying fuel to the injection pump.

They are usually diaphragm pumps and are seated directly on the engine – the drive takes place via cams and tappets or via a lever.

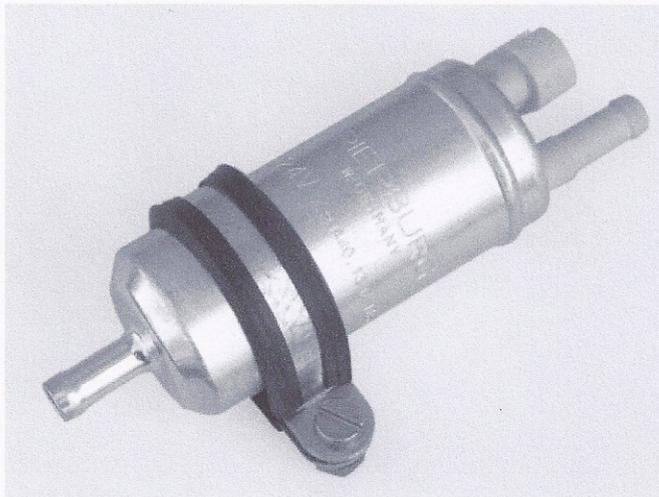
Mechanical fuel pumps are designed for long operating times. However, malfunctions can occur due to dirt, wear or hardening of membranes and seals, leaks or failures. If necessary, a faulty pump can only be replaced completely.

If original pumps are not available, an E1F series electric fuel pump is a practical and cost-effective solution.

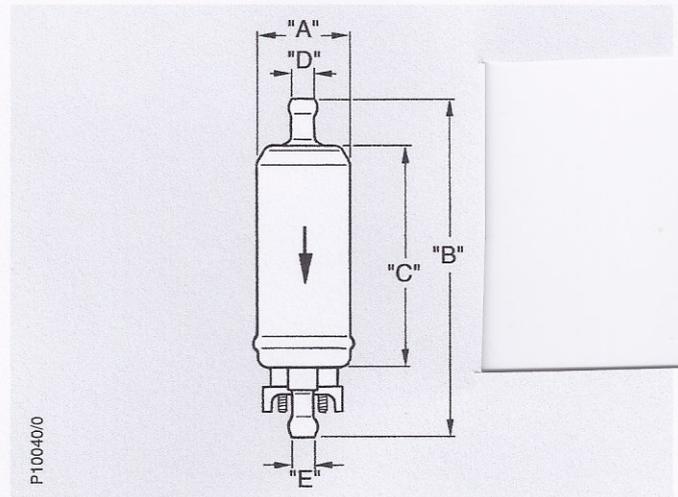
☞ This applies similarly to
– applications in the old-timer sector or
– if a mechanical drive is no longer possible (e.g. due to cam wear).

E1F series electric fuel pumps are available with various delivery capacities and pressures for operation with 12 or 24 V.

☞ See → Product Information "pi 0013"



View of E1F



Dimensions of E1F

Technical data of E1F universal pumps

Pierburg-No.	Rated voltage [V]	Static pressure at Q=0l/h [bar]	Volume flow [l/h]	System pressure at [bar]	Fitting and connection dimensions (see → Fig.) [mm]					Current consumption [A]
					"A"	"B"	"C"	"D"	"E"	
7.21440.51.0	12	0,27-0,38	95	0,10	Ø 38	133,5	84,5	Ø 8	Ø 8	≤ 2,00
7.21440.53.0	12	0,44-0,57	100	0,15	Ø 38	133,5	84,5	Ø 8	Ø 8	≤ 2,05
7.21440.63.0	24	0,44-0,57	100	0,15	Ø 38	134,2	84,5	Ø 8	Ø 8	≤ 1,35
7.21440.78.0	12	> 1,85	95	1,00	Ø 38	141,5	91,0	Ø 12	Ø 8	≤ 4,30
7.21440.68.0	24	> 1,85	95	1,00	Ø 38	139,5	90,5	Ø 8	Ø 8	≤ 3,00

Assignment and replacement, refer to → respectively valid catalogues, TecDoc-CD data based systems.

Subject to change of illustrations and text.