

# MINOR

Our Tradition. Your Future.

**MINOR** meet existing and incoming requirements of easy installation, simple service and maintenance, economic operation and operating reliability in the standard and extreme climatic conditions

## Main Advantages

- Modern design, compact construction
- Integrated hydraulic unit
- Electronic control unit ADP1/L with a single-chip microcontroller for control of all dispenser functions
- Automatic Temperature Compensation – Approvals OIML R 117-1, Welmec 10.4
- Proportional valve for accurate control of flow rate from 2 to 80 l/min
- Piston flow meter with integrated intelligent impulse sensor
- High quality materials with high working life and low maintenance requirements
- Ergonomic location of the dispensing nozzle
- User friendly design of pre-setting keyboard
- Option with payment terminal



The Fuel dispensers are determined for dispensing of petrol, diesel, biodiesel B 10 to B 100 – mixture of diesel with FAME (Fatty Acid Methyl Ester), ethanol and mixture petrol with ethanol (E 10 to E 85).



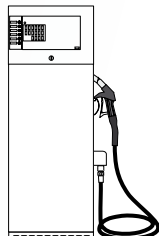
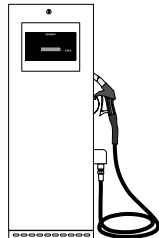
The fuel dispenser got a prestige awards „The excellent design 2007“.

The awards is given by the Ministry of Industry and Trade and the Design Centre CZ in accordance with the recommendation of the international professional jury.

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<b>V-line Minor modifications</b>	899x.xxx/S – suction system 899x.xxx/P – pressure system 899x.6x3 – with an electronic counter of volume and price – two-space body 899x.6x4 – with a mechanical counter of volume – one-space body																		
<b>Operating flow rate</b>	according to the variant models 40, 60, 70, 80 l/min																		
<b>Locking device</b>	of fuel dispenser covers and dispensing nozzle																		
<b>Temperature range</b>	standard -20 to +50 °C, design for extreme temperatures -40 to +60 °C																		
<b>Electrical connection</b>	3 x 230/400 V AC ±15 %, 50 Hz																		
<b>Hydraulic connection</b>	flow rates 40 – 80 l/min are depending on dispenser model, parameters and length of connection piping and of suction pressure																		
<b>Options</b>	<table border="0"> <tr> <td>Safety break-away couplings</td> <td>System of vapour recovery</td> </tr> <tr> <td>Sight glass</td> <td>Signalling light</td> </tr> <tr> <td>Dispensing nozzles</td> <td>Heating element</td> </tr> <tr> <td>Dispensing hoses</td> <td>Payment terminal</td> </tr> <tr> <td>One sided design</td> <td>Vacuometer</td> </tr> <tr> <td>Electronic volume and price pre-setting</td> <td>Circuit breaker of electronics supply</td> </tr> <tr> <td>System ATC for all products</td> <td>Electronic counter ADP1/T</td> </tr> <tr> <td>Electromechanical totalizer</td> <td>Communication standard IFSF – LON – FTT-10 or TCP/IP – Ethernet</td> </tr> <tr> <td>Button for flow rate choice 40/80 l/min for diesel</td> <td></td> </tr> </table>	Safety break-away couplings	System of vapour recovery	Sight glass	Signalling light	Dispensing nozzles	Heating element	Dispensing hoses	Payment terminal	One sided design	Vacuometer	Electronic volume and price pre-setting	Circuit breaker of electronics supply	System ATC for all products	Electronic counter ADP1/T	Electromechanical totalizer	Communication standard IFSF – LON – FTT-10 or TCP/IP – Ethernet	Button for flow rate choice 40/80 l/min for diesel	
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Fuel dispenser V-line	8991.6x3	8997.6x3	8991.6x4	8997.6x4	
<b>Number of products</b>	1	1	1	1	 <p>8991.6x3/S, P; 8997.6x3/S, P</p>
<b>Max. flow rate 40 l/min</b>	•	—	•	—	
<b>60 l/min</b>	•	—	•	—	
<b>70 l/min</b>	—	•	—	•	
<b>80 l/min</b>	—	•	—	•	
<b>Max. operating pressure (MPa)</b>	0,22	0,25	0,22	0,25	 <p>8991.6x4/S, P; 8997.6x4/S, P</p>
<b>Min. operating pressure (MPa)</b>	0,12	0,19	0,12	0,19	
<b>Measurement accuracy (%)</b>	±0,2	±0,2	±0,2	±0,2	
<b>Length (mm)</b>	510	510	510	510	
<b>Width (mm)</b>	410	410	410	410	
<b>Hight (mm)</b>	1400	1400	1400	1400	
<b>Hose distance (m)</b>	4 to 6	4 to 6	4 to 6	4 to 6	

Certificate



CE 1026 ATEX

CE 1383 MID – OIML R 117-1, WELMEC 7.2, WELMEC 10.4