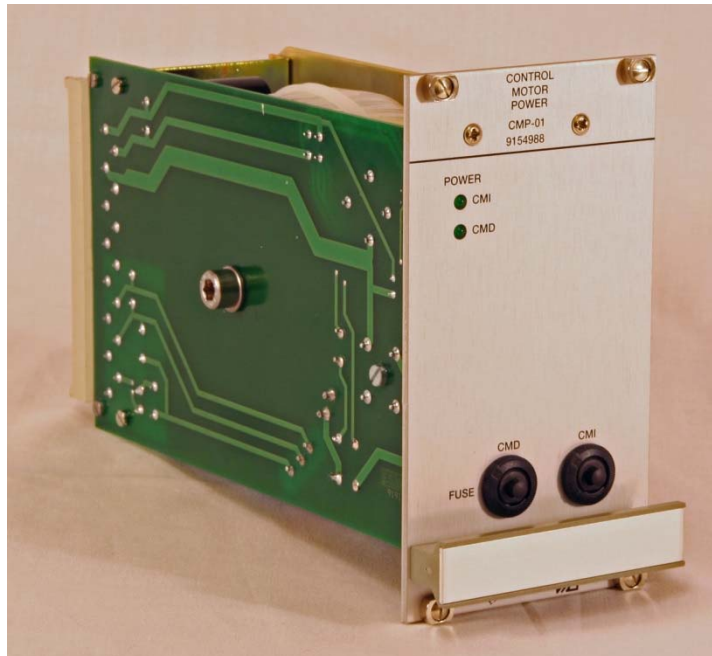


dametric 

# CMP-01

VAL0122829

SKC9154988



## CONTROL MOTOR POWER SUPPLY USERS MANUAL

Valmet 

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### 1. DESCRIPTION

The CMP-01 is a power supply unit for the CMS Control Motor System.

The unit is mounted into the card slots of the rack unit (CMR-01).

The incoming mains supply power (115 or 230 Vac) is transformed and rectified to 2 galvanic isolated dc-voltages.

The unit has a fuse for the mains supply. This is located on the same side as the card connector, and the unit must therefore be dismounted, prior to change the standard (5\*20mm) glass fuse.

Each output dc-voltage has an automatic fuse in the front of the unit. The voltages are also indicated by green led's in the front.

The 24-33 VDC is used to power the driver card, CMD-DM1 or CMD-DM2, for an electric stepping motor. The unit also provide power, 10-12VDC for the interface card of the system, CMI-01 and for a cooling fan.

Revision 3.0: Units manufactured 2014 and earlier are built on an analogue base with a toroid transformer and an electrolytic capacitor.

This version generates +33VDC to the driver card and 10VDC for the CMI card and the fan.

Revision 4.0: From 2015 the transformer and capacitor are replaced by a primary switched mode power supply, which reduces the weight of the unit.

This version generates +24VDC to the driver card and 12VDC for the CMI card and the fan.

## 2. EXTERIOR

### 2.1. Version 3.0 and earlier



### 2.2. Version 4.0 and later



### 3. TECHNICAL SPECIFICATION

Dametric article no:	CMP-01
Valmet article no.:	VAL0122829
SKC article no.:	SKC9154988
Power supply:	Version 3: 115 or 230 Vac, 10%, 48-62 Hz Version 4: 90-264VAC, 47-63 Hz
Current consumption:	3.0 A, (115Vac), 1.5 A (230Vac)
Internal voltage CMD:	Version 3: 33 VDC, 4.5 A Version 4: 24 VDC, 5.0 A
Internal voltage CMI:	Version 3: 10 VDC, 0.5 A Version 4: 12 VDC, 0.5 A
Internal voltage Fan:	12 VDC, 0.25 A
Fuse Primary:	2A Slow, in the rear of the unit
Fuse Secondary 35V:	5A, fast, automatic, in the front of the unit
Fuse Secondary 10V:	1A, fast, automatic, in the front of the unit
Connector:	15-pole European standard type F
Board dimension:	L=160 mm, W=100 mm, H=70 mm (14TE)
Panel output indicators:	CMI, CMD: Green led's indicating voltage after the fuse.

### 4. CONTACT

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