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VACUUM PUMP MADE OF METAL

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(Vakuum Pumpe Aus Metall)

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Subject: Vacuum Pump Made of Metal

References:

Enclosure: 1. Technical Drawing

Reference 1 requests the Academy for Medical Service and Sanitation of the Bundeswehr through the Federal Office for Military Technology and Procurement (BWB) to test a vacuum pump made of metal (as in reference 2) to establish whether the model fulfills the requirements.
The following position has been established on this matter:

The model demonstrated is stable, has a good suction performance and is basically suited for manual and treadle operation.

However, in order for the pump to be still better utilized for manual and treadle operation and to enable a simple harmless attachment to the vacuum stretcher, the following changes are proposed: (cf. technical drawing as inclosure on this subject*)

1. The foot section should be kept narrower in the width of the area for the foot and be provided with a nonskid rubber or plastic inlay.
2. The web edges should be flanged for increasing web stability.
3. The width of the treadle should remain on the body of the pump as in the model in order for the treadle to keep enough buckling strength.

A pressure hose used as general supply article in the Bundeswehr should be utilized as pump hose.

For

[Signature]
(Schell)
Lieutenant Colonel (Pharmacist)

[Handwritten note: Handpump shipped by separate mail.]

*Translator's Note: Handwritten note.
Proposed modification:
Treadle vacuum pump, metal

Änderungsvorschlag:
Fußbügel
Vakuumpumpe, Metall

Scale: M 1:2.5
1:2.5