



# 25-RMP-E

## Hand diaphragm pump

### Application

The hand diaphragm pump can be used for purpose and only in the way as determined in the service instructions.

These pumps are intended for explosion hazard area, zone 1, as classified in the standard ČSN 33 2320 (an area containing gases and fumes of II A or II B explosibility category according to ČSN EN 60 079 - 10).

These pumps can be used for pumping following liquids only: diesel fuel, petrol, furnace oil, motor oil, oily water, slightly contaminated water.

They are intended for hand emptying of drums, for liquid dosing in stocks as well as for refuelling of heavy-duty mining, building, forest and agricultural machines.

They are advantageous for handling clean and service water up to max. temperature 80 °C.

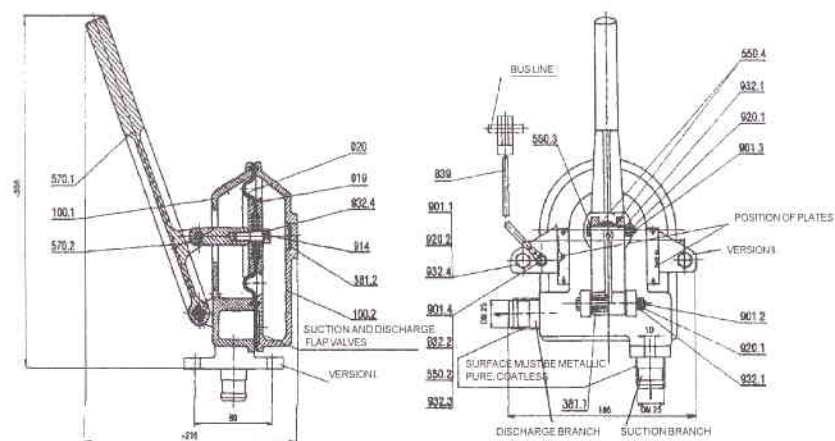
### Design

The pump is of simple design consisting of front and rear bodies, a diaphragm and hand lever. Moving the pump lever in the direction from the pump body, certain volume of liquid is sucked in; this liquid is displaced out of the pump with lever counter-motion. Quantity of transferred liquid is directly proportional to frequency of foregoing motion.

At operation, the pump should be attached firmly on the drum or tank cover or on the wall respectively.

#### Position numbering according to DIN 24250

019 - support	901.2 - bolt M6x65
020 - diaphragm	901.3 - bolt M6x45
100.1 - front body	901.4 - bolt M5x10
100.2 - rear body	914 - bolt M8x35
381.1 - insert	920.1 - nut M6
381.2 - protective insert	920.2 - nut M8
550.2 - washer 5.3	932.1 - washer 6.4
550.3 - washer 6.4	932.2 - washer 5
550.4 - washer 6.4	932.3 - washer 5.3
570.1 - lever	932.4 - washer 8.4
570.2 - pull-rod	I - for attachment on a drum
839 - earth wire (complete)	II - for attachment on the wall
901.1 - bolt M8x45	



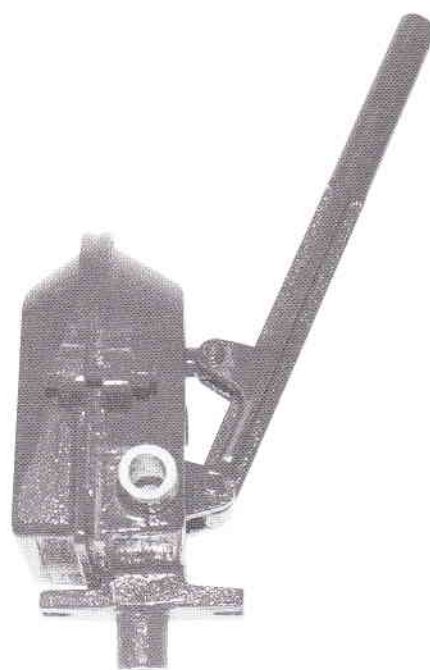
### Materials

Basic parts of the hand pump are made of following materials:

front and rear bodies	-	aluminium
lever and support	-	aluminium
diaphragm	-	oil-resistive rubber

### Technical data

Quantity of pumped liquid	Q (l.min <sup>-1</sup> )	25 - 30
Suction head	m	7
Max. density	(g/cm <sup>3</sup> )	1.1
Max. discharge head	(m)	20
Pump weight	(kg)	2.8



We reserve the right to alter texts, technical specification and illustrations without prior notice.

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