P1000

New mains powered pump for industrial use

P1000 is a secure, lean produced 2-step pump as an economical alternative for industrial use where simplicity and reliability is required. The pump is supplied with Elpress safety hose with quick coupling. The robust although light weighted design allows intensive use in most cases. The pump is CE-approved.

Technical specifications P1000

Electro hydraulic mains powered pump

Function	Self holding pressure during crimp cycle, automatic return after completed crimp
Hydraulic pressure	Working range 0-63 (70) MPa, adjustable
Hydraulic flow	Low pressure (up to 1,5 MPa) approx. 0,8 l/min High pressure (more than 1,5 MPa) 0,2 l/min
Oil volume	2 l (usable 1,8 l)
Oil	hydraulic oil ISOVG32
Measures, w x d x h	approx. 250 x 150 x 384 mm (excl. hose)
Weight	15 kg (incl. hose)
Mains connection	230 V AC 50/60 Hz
Allowable voltage fluctuation	Rated voltage ± 5%
Electric motor	0,25 kW, Class E insulation, open type commutated motor 230 V, 50/60 Hz single-phase, Max. currency: 2,8 A (5 min.)
Protection class	IP20
Environment temperatures	0 - 40°C
CE-approved	Machine safety 98/37/CE, LVD 73/23/EEC
Hydraulic house	2,4 m, quick coupling, manoeuvre handle 12 V AC
Mains cord	1,5 m earth plug

- **Working pressure up to 70 MPa / 10 000 PSI / 700 bar**

8052-046200

Elpress AB • P.O. Box 186 • SE-872 24 KRAMFORS, Sweden
Tel: +46 612 71 71 00 • Fax: +46 612 71 71 51
E-mail: sales@elpress.net • www.elpress.net

ELPRESS®
MEMBER OF LAGERCRANTZ GROUP

Hydraulic foot pump

This pump operates all Elpress crimp heads.

P4000

P4000

Elpress hydraulic footpump.

Particulars:

- unique design in high tensile aluminium alloy
- low weight, 8.6 kg, incl. 2.2 m hose
- standard setting 630 bar (max setting to 700 bar)
- safety valve for relief at all pressures
- a pressure gauge can be attached to indicate working pressure
- ergonomic design
- high finish anodised surface - easy to keep clean
- high efficency two-step oil flow
- simple foot operated off-loading (piston return) after automatic stop at full pressure
- robust and stable to work with
- practical storage position for hose

Battery and mains powered pump

The pump operates all Elpress crimp heads.

PS700

PS700

Battery and mains powered pump for crimping with advanced control and supervision of the crimp procedure.
A flexible system for almost all crimp applications where high performance and reliability is required. The robust design in aluminium, combined with a high total efficiency, allows intensive use in most cases and environments.
When battery powered, the upper unit is lifted off the lower mains drive unit for full flexibility.

Particulars:

- 24 V NiMH battery or 230 V mains power supply (110V optional)
- high efficiency = many crimps per charge
- close to continuous work when mains powered
- working pressures up to 700 bar / 70MPa / 10 000 PSI
- LCD display for versatile control and follow-up
- PC port for transferring data to PC computer where advanced analysis can be made
- hydraulic pressure work range 0-630 (700) bar
- hydraulic flow 0.6 dm^3/min
- oil volume 1.0 dm^3
- measures: pump unit, w x d x h = 390 x 225 x 225 mm
- mains unit, w x d x h = 495 x 300 x 660 (980) mm
- weight pump unit 12.3 kg (incl. battery, excl. hose)
- weight mains unit with carriage 8.6 kg
- battery fast charger 7.2-24V, charge time 45 min
- mains unit: in 230VAC, out 24-28VDC 30A; overvoltage and overcurrent protected
- control system: Elpress Advanced Crimp Analyzer incl. display and control switches. Port for PC-connection
- environment temperatures -15 °C to + 40 °C; battery to be kept >5 °C for best power
- typical number of crimps per charge (50 % ED): 115 Cu-terminals 150 mm^2 flexible, 180 Cu-terminals 50 mm^2 flexible (depending on temperature)
- protection class IP 54
- CE-approved; Machine Safety 98/37/CE, LVD 72/23/EEC

Analyzer PS700

Analyzer PS700, special software for crimp data.

The special software is used to save data for important documentation. In a simple way crimping can be analyzed in a PC. Every crimp-cycle receives a unique ID-number. With the help of the comfortable solution to convert data to Excel, a lot of opportunities for quality control comes up. For example to compare crimping graphs, to detect divergences and system control.
Analyzer PS700: CD with program, instructions and all cables etc. to connect between PS700 and PC.

Particulars:

- transfer data from PS700 to PC (RS232 or USB)
- save data in PC
- direct examination at display print
- easy to convert data to Excel
- for more advanced analyzes a pre-knowledge in Ecxel is necessary
- compatible Windows 95, 98, 2000 and XP