



## HYDRAULIC PUMPS

### SERIES CP700

- **Small** - 205 x 290 x 190 mm
- **Light** - 4,5 kg
- **Powerful** - 700 bar / LP= 1,2 lit/min. / HP= 0,2 lit/min.

#### i-Drive

Several setting possibilities, selection through setting knob.

- hold function (CP700 version only)
- pressure adjustment (CP700 version only)
- selectable piston return

#### USB Port

Direct USB-port on the pump allows special settings and detailed reporting of your daily work

#### Comfort

Light, compact and robust structure

#### Reliable

Long lifetime, the first maintenance is not necessary before 20,000 cycles



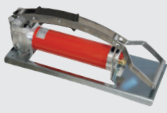









#### Powerful

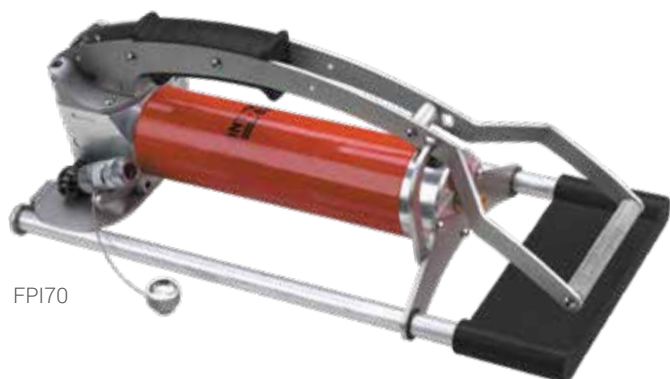
Powerful and replaceable 18V lithium-ion battery with own management controlled by the pump for max. safe and efficient working.

#### Resistant

Body made of polyamide reinforced with fibreglass, completely insulating and shock resistant



	Pump	Operation	Set equipment (pump + ...)	
FPI70	 FPI70	Foot	<ul style="list-style-type: none"> <li>• Metal case</li> <li>• Pressure gauge</li> </ul>	PAGE 204
FPI AS85 70S	 FPI70S	Foot	<ul style="list-style-type: none"> <li>• Flexible hose 3m</li> <li>• Metal case</li> <li>• Pressure gauge</li> </ul>	PAGE 204
FPI70 EC	 FPI70 EC	Foot	<ul style="list-style-type: none"> <li>• Metal case</li> </ul>	PAGE 204
FPI70S EC	 FPI70S EC	Foot	<ul style="list-style-type: none"> <li>• Flexible hose 3m</li> <li>• Metal case</li> </ul>	PAGE 204
CP700	 CP700	<b>Battery</b> ↳ Main adapter available	<ul style="list-style-type: none"> <li>• Battery and charger</li> <li>• Flexible hose 1,5 m</li> <li>• Remote control 1,5 m</li> <li>• USB-cable</li> <li>• Nylon bag with shoulder strap</li> </ul>	PAGE 205
CP700 EC	 CP700 EC	<b>Battery</b> ↳ Main adapter available	<ul style="list-style-type: none"> <li>• Battery and charger</li> <li>• Flexible hose 1,5 m</li> <li>• Remote controle 1,5 m</li> <li>• USB-Cable</li> <li>• Nylon bag with shoulder strap</li> </ul>	PAGE 205
ANP24/220	 ANP24/220	Battery or Mains	<ul style="list-style-type: none"> <li>• Remote controle 5 m</li> <li>• Power cord 3 m</li> <li>• Shoulder strap</li> </ul>	PAGE 206
NP220	 NP220	Mains	<ul style="list-style-type: none"> <li>• Remote control 5 m</li> <li>• Power cord 3 m</li> </ul>	PAGE 206
90404	 90404	Mains	<ul style="list-style-type: none"> <li>• Remote control 5 m</li> <li>• Power cord 3 m</li> </ul>	PAGE 207
90418	 90418	Mains	<ul style="list-style-type: none"> <li>• Remote control 5 m</li> <li>• Power cord 3 m</li> </ul>	PAGE 207
90415	 90415	Mains	<ul style="list-style-type: none"> <li>• Remote control 5 m</li> <li>• Power cord 3 m</li> </ul>	PAGE 208
91421	 91421	Mains	<ul style="list-style-type: none"> <li>• Remote control 5 m</li> <li>• Power cord 3 m</li> </ul>	PAGE 208



FPI70



Pressure gauge and tilting coupling is standard on FPI70 and FPI70s models (not on models "-EC")



FPI70S



FPI70S EC



FPI70 EC

Hose must be ordered separately



Set FPI70

### FPI70 / FPI70-EC – Foot operated hydraulic pump

Designed to operate hydraulic tools up to 700bar (70MPa).

#### Technical characteristics:

- Compact dimensions
- Lightweight due to use of light alloys and corrosion-resistant materials
- Handy and stable due to a firm fitting pedal and sturdy non slip base
- Automatic two speed device (fast advancing under no-load and slow under load)
- Tilting system for coupler (not on models "-EC")
- Pressure monitoring by oil pressure gauge (not on models "-EC")
- Manual pressure release at any time
- High mounted quick release coupling with dust cap
- Operating pressure: ..... 700 bar (70 MPa)
- Low pressure pump capacity: ..... 18,3 cm<sup>3</sup>/stroke
- High pressure pump capacity: ..... 2 cm<sup>3</sup>/stroke
- Amount of oil: ..... 1200 ml
- Operating temperature: ..... -20°C to a +40°C

#### Tool dimensions:

- FPI70 ..... 570 x 230 x 209 mm
- FPI70S ..... 570 x 230 x 209 mm
- FPI70 EC ..... 545 x 212 x 198 mm
- FPI70S EC ..... 545 x 212 x 198 mm

#### Tool weight:

- FPI70 ..... 9,6 kg
- FPI70S ..... 10,9 kg
- FPI70 EC ..... 9,6 kg
- FPI70S EC ..... 10,3 kg

Description	Order No.	Dimensions	Weight
Set: Foot pump	FPI70	650 x 240 x 220 mm	19 kg
Set: Foot pump with flexible hose 3 m	FPI70S	650 x 240 x 220 mm	21 kg
Set: Foot pump EC	FPI70 EC	650 x 240 x 220 mm	19 kg
Set: Foot pump EC with flexible hose 3 m	FPI70S EC	750 x 300 x 220 mm	24 kg

#### Accessories see pages 209 - 212

On request special models with different operating-pressures up to a maximum of 850bar (85MPa).

#### Set equipment FPI70:

- Foot operated pump with oil pressure gauge
- Metal case

#### Set equipment FPI70S:

- Foot operated pump with oil pressure gauge
- Flexible hose 3 m
- Metal case

#### Set equipment FPI70 EC:

- Foot operated pump
- Metal case

#### Set equipment FPI70S EC:

- Foot operated pump
- Flexible hose 3 m
- Metal case



CP700EC

### CP700 - Compact hydraulic pump with battery

Designed to operate hydraulic tools up to 700bar (70MPa).

#### Technical characteristics:

- Light, compact and robust structure
- Ergonomic design for right or left handers
- Optional transportation bag with pockets, with a shoulder strap or attached to a belt (optional)
- Manual or automatic return
- Rapid return of piston due to high return capacity
- Free pressure calibration (only model CP700)
- Freely programmable pump (only model CP700)
- Preinstalled standard programs for cutting and crimping
- Maintenance program (only model CP700)
- Possibility to set up maintenance times (only model CP700)
- Electronic sensor pressure control
- High performance lithium ion battery
- Charge indicator on the battery
- Double piston technology for rapid high pressure feed
- Flow range at low pressures < 100 bar: 1.2 lit./min.
- Flow range at pressures up to 700 bar: 0.2 lit./min.
- Operating pressure: ..... 700 bar (70 MPa)
- Power: ..... 200 W
- Battery voltage: ..... 18,0 V DC
- Battery capacity: ..... 3,0 Ah
- Range of use: ..... -20°C / +55°C (integrated cooling system)
- Remote control (1.5 m) two buttons and LED indicator
- Possibility to attach the remote control to the unit with the integrated magnet
- A belt or shoulder strap can be added through a clamp support
- Anti-scratch and shock resistant display protection (only model CP700)
- Current and required pressure visible on display (only model CP700)
- Error indication
- Possibility of reading the curves on the pump (only model CP700) and on PC
- Possibility of reading all the cycles and error indications by USB
- Including software

Tool dimensions: ..... 290 x 190 x 205 mm  
 Tool weight: ..... 4,5 kg

Description	Order No.	Dimensions	Weight
Set: Hydraulic pump	CP700	480 x 250 x 250 mm	7,7 kg
Set: Hydraulic pump	CP700EC	480 x 250 x 250 mm	7,7 kg

#### Accessories see pages 209 - 212

On request special models with different operating-pressures up to a maximum of 850bar (85MPa).

#### Set equipment:

- Compact hydraulic pump
- Battery 18 V/3,0 Ah lithium-ion (RA11)
- Battery charger (LG8)
- Flexible high pressure hose – length 1,5 m
- Remote control 1,5 m (CP-F)
- Shoulder strap (TG3)
- USB cable + software
- Comfortable sturdy nylon bag

#### Application:



Top version CP700  
(with display):



- Selectable piston return
- Hold function
- Free pressure calibration
- Patented cable cutting detection
- Installed cutting / crimping programmes
- Freely programmable
- Possibility of reading all cycles and error indications directly on the pump and on the PC by USB

Standard version  
CP700EC:



- Selectable piston return
- Patented cable cutting detection
- Installed cutting / crimping programmes
- Possibility of reading all cycles and error indications on the PC by USB



CE

### ANP 24/220 - Combined electro hydraulic battery and mains pump

Designed to operate hydraulic tools up to 700bar (70MPa).

#### Technical characteristics:

- Battery-operated or mains-operated
- High pump performance in 2 stages (fast and slow)
- Remote control
- Manual pressure release at any time
- Automatic pressure release when maximum force is achieved
- Engine brake operates when pressure released
- Fitted battery charger with battery condition indicator
- Quick automatic-lock hydraulic connection and undetachable dustcap
- Compact design, light weight
- Pump capacity: 0,4 l/min - 0,7 l/min
- Mains voltage: ..... 230 V (50/60 Hz)
- Cell Voltage: ..... 2 x 12 V
- Motor rating: ..... 360 W
- Protection class: ..... IP43
- Operating temperature: ..... -10°C to +40°C

Description	Order No.	Dimensions	Weight
Electro hydraulic battery pump	ANP24/220	550 x 350 x 180 mm	20 kg

Accessories see pages 209 - 212

On request special models with different mains voltage.

#### Set equipment ANP24/220:

- Electro-hydraulic battery-mains pump
- Remote control with 5m connecting cable
- Power cord 3m
- Carrying shoulder strap with shoulder pads

### NP220-1 and NP220-2 mains operated hydraulic pump

Designed to operate hydraulic tools up to 700bar (70MPa).

#### Technical characteristics:

- Mains-operated
- High pump performance (fast and slow in 2 stages only NP220-2)
- High pump performance in application of large cross-sections and power rails processing
- Protection support
- Remote control
- Oil check by external sensor
- Engine brake operates when pressure released
- Quick automatic-lock connection and undetachable dust cap
- Pump capacity: ..... 0.6 l/min (NP220-1) 0.6 - 1.1 l/min (NP220-2)
- Mains voltage: ..... 230 V (50/60 Hz)
- Motor rating: ..... 750 W
- Protection class: ..... IP54
- Operating temperature: ..... -10°C to +40°C

Description	Order No.	Dimensions	Weight
Pump 1 stage	NP220-1	370 x 185 x 490 mm	25 kg
Pump 2 stage	NP220-2	370 x 185 x 490 mm	25 kg

Accessories see pages 209 - 212

On request special models (NP220-1; NP220-2) with different mains voltage.

#### Set equipment:

- Mains-operated hydraulic pump – NP220-1 or NP220-2
- Remote control push-button with 5m connecting cable
- Power cord 3m



CE

### Electro-hydraulic 3-cylinder-radial-piston-pump with transport cart

Our electro-hydraulic pumps are delivered completely with an electrical control, pressure control valve, magnet valve, oil sight glass and a 3 meter high-pressure hose. The operating pressure is normally set to 700 bar. The control is effected with a foot pedal. The pedal is equipped with a high-quality 3-point-safety wiring. All our pumps are delivered without cutting and crimping tool.

#### The following variants are deliverable:

- Operating pressure: .....max. 700 bar (70 MPa)
- Operating voltage/pump delivery volume: ..... 230V 50Hz / 0.64 l/min. 3 x 400V 50Hz / 0.82 l/min.
- With transport cart or with rack
- Foot pedal with one switch = version without positioning
- Foot pedal with two switches = version with positioning

The version with positioning should be used at the power rail work station and the hydraulic puncher (catalogue pages xx). The positioning guaranteed a save and point exactly work. We recommend to use the pump (art.-no. 91421) if you buy the power rail work station BLS 120 (page 195). This tool combination ensures you a high precision.

Further components and special solutions are available on request



Art.-no.: 90404

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	90404	31,0 kg

- Transport cart, with positioning
- Nominal capacity: .....0.75 kW
- Voltage: ..... 3 x 400V 50Hz
- Delivery rate: ..... 0.82 l/min.

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	90417	31,0 kg

- Transport cart, with positioning and automatic pressure shutdown
- Nominal capacity: .....0.75 kW
- Voltage: ..... 3 x 400V 50 Hz
- Delivery rate: ..... 0.82 l/min.

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	90407	30,4 kg

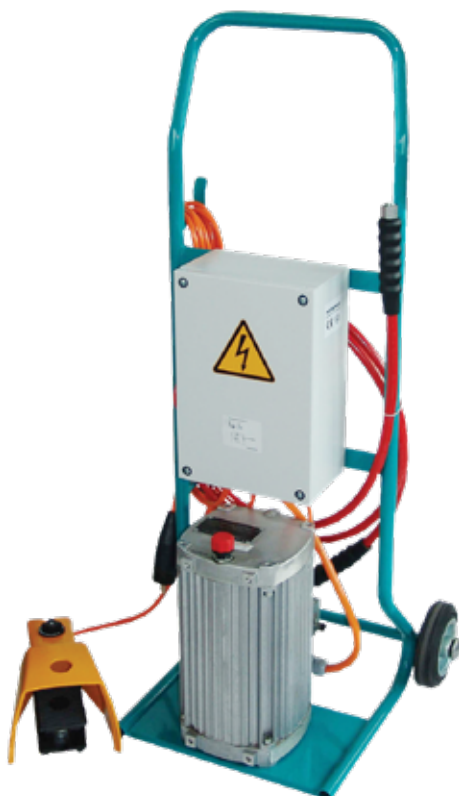
- Transport cart
- Nominal capacity: .....0.75 kW
- Voltage: ..... 3 x 400V 50 Hz
- Delivery rate: ..... 0.82 l/min.

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	90413	33,0 kg

- Transport cart, with positioning
- Nominal capacity: .....0.75 kW
- Voltage: ..... 230V 50 Hz
- Delivery rate: ..... 0.64 l/min.

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	90418	33,0 kg

- Transport cart
- Nominal capacity: .....0.75 kW,
- Voltage: ..... 230V 50 Hz
- Delivery rate: ..... 0.64 l/min.



Art.-no.: 90418



Art.-no.: 90415

### Electro-hydraulic 3-cylinder-radial-piston-pump with rack

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	99962	24,0 kg

- Rack, with positioning
- Nominal capacity: ..... 0.75 kW
- Voltage: ..... 3 x 400V 50Hz
- Delivery rate: ..... 0.82 l/min.

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	90406	24,0 kg

- Rack
- Nominal capacity: ..... 0.75 kW
- Voltage: ..... 3 x 400V 50Hz
- Delivery rate : ..... 0.82 l/min.

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	90416	30,0 kg

- Rack, with positioning
- Nominal capacity: ..... 0.75 kW
- Voltage: ..... 230V 50Hz
- Delivery rate: ..... 0.64 l/min.

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	90415	24,0 kg

- Rack
- Nominal capacity: ..... 0.75 kW
- Voltage: 230V 50Hz,
- Delivery rate: ..... 0.64 l/min.



Art.-no.: 91421

Description	Order No.	Weight
Electro-hydraulic 3-cylinder-radial-piston-pump	91421	24,0 kg

- rack, with positioning,
- nominal capacity: 0.75 kW, with automatical pressure switching-off and connection for end switch (for BLS120), voltage 3 x 400V 50Hz, delivery rate 0.82 l/min.