

PROCONTROL



POWER HANDWHEEL

Efficiency
and Design

POWER HANDWHEEL

Description

The Power Hand-wheel engineered by ProControl is a valve actuation solution designed to operate both quarter turn & linear valve scarcely used or remotely located where automation is unpractical (conventional power supplies electric, hydraulic &/or pneumatic are not available); but quicker (then manual hand-wheel) operation is required.

The six available sizes cover wider range of torque/thrust requirements combining different gear boxes (of different type according to actuation requirement: bevel, worm, spur type) and hydraulic orbital motor sizes.

The Power Hand-wheel is hydraulically powered unit designed to operate from a portable hydraulic power pack (either electric or petrol engine driven) however alternate prime movers such as natural gas or air motor, are available upon request.

Main features:

- 1) Simple design
- 2) Grease bathed gearings ensure high constant efficiency
- 3) Mechanical local position indicator available or by means of position sensors
- 4) Weather proof construction to meet IP66 design criteria
- 5) Flame proof for electric accessories availability where required
- 6) SS316 quick connector available for long lasting lifespan in harsh environment
- 7) Adaptation to valve top-work design where not ISO5210/5211 compliant
- 8) Lockable engagement clutch handle to prevent unauthorized and safe operation
- 9) Flex hoses with safety wire restraint supplied as standard



PHW MODEL	Max. Output Torque (Nm)	Max. Supply pressure (Barg)	Max acceptance Stem diameter (mm)
PHW-0730-100-DD	730	170	Ø70
PHW-0800-100-DD	800	170	Ø85
PHW-3300-100-DD	3300	170	Ø102
PHW-5800-100-DD	5889	170	Ø115
PHW-8100-125-DD	8100	170	Ø122
PHW-15400-100-DD	15400	170	Ø140

POWER HANDWHEEL

Hydraulic Portable Power Unit

Portable HPU is built up with hydraulic pump driven by 4 stroke petrol engine, flexible hoses with safety wire & stainless quick connectors, oil tank and manual hand valve for open and close operation. Wider range of torque/thrust requirements can be covered by means of alternate combinations of motor / pump from 6.5 HP with single pump up to 18HP with double pump to speed up the operating times. Larger petrol engines are available with electric starter.

Where electric motors are required those can be battery powered or by a vehicle electric power take-off Hydraulic power pack is designed to ensure hydraulic pressure and flow rate for power handwheel operation

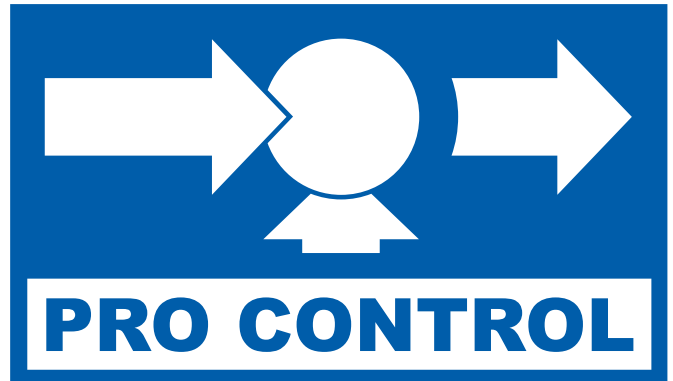
Compact design with easy accessible lifting points and integral handles for manual transport. Open / Close operation by means of hand operated hydraulic direction control valve

Main features:

- 1) Simple design
- 2) Stainless Steel hydraulic control components available
- 3) Stainless Steel hydraulic fluid reservoir as a standard
- 4) Local level gauge with integral temperature indicator available
- 5) Inspection hatch for easy reservoir inspection and cleaning operation
- 6) Wide choice driven pump solution



HPPU MODEL (hydraulic Portable Power Unit)	Electric Starter	Flow Capacity Min-Max (lt/min.)	Max. Output Pressure (barg)
HPPU-6,5-M (Engine 6,5 HP- Manual starter)	no	12	170
HPPU-18-M (Engine 18 HP- Manual starter)	no	25-50	170
HPPU-18-ES (Engine 18 HP- Electric Starter)	yes	25-50	170



VALVE ACTUATION & CONTROL

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