

## HYDRAULICS - IN BRIEF



Concentric AB

*Innovation in Hydraulics*

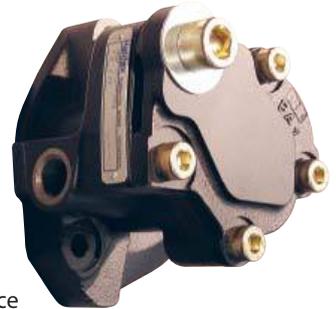


## Concentric

Concentric is specialized in the mobile markets: trucks, construction equipment, fork lift trucks, aerial lifts and engines. Experienced in hydraulics since the 1920's, the gear pumps, gear motors and power packs have successfully been installed by most of the well known manufacturers of mobile machines. With a special focus on emission and engine technology, our fuel pumps, EGR- and CCV systems, provide innovative and successful solutions for diesel engines.

### Fuel Pumps

New technique in design and manufacturing is the key elements for the new generations of electric and direct driven fuel pumps improving performance and reliability.



### Closed Crankcase Ventilation (CCV)

Centrifugal based separation. Oil and soot to the sump. Cleaned air returned to intake.



### Fan drive

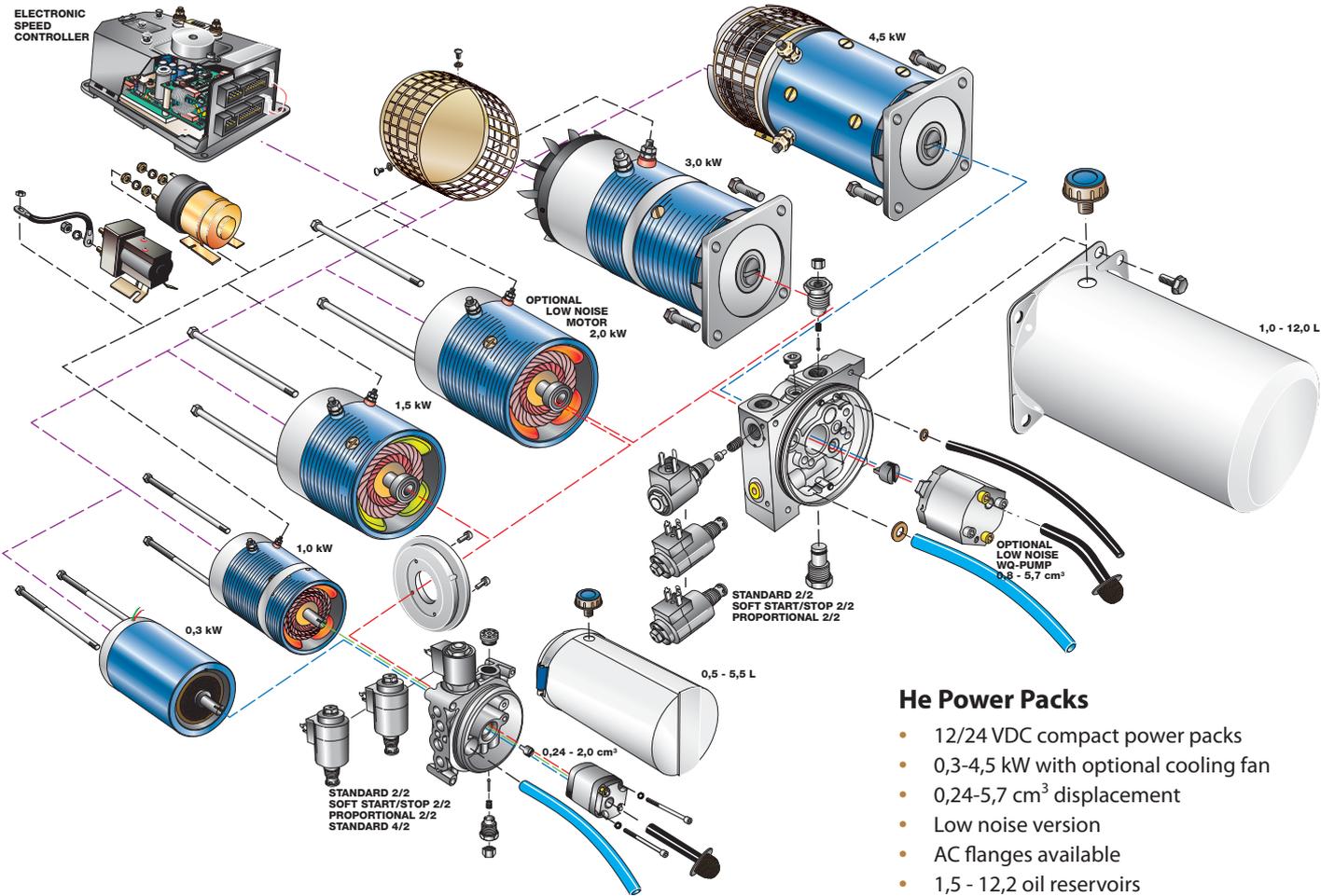
Hydrostatic fan drives enables the vehicle and engine manufacturer to more freely design the engine compartment and at the same time cool on demand to reach optimum operation conditions.



### Exhaust Gas Recirculation (EGR)

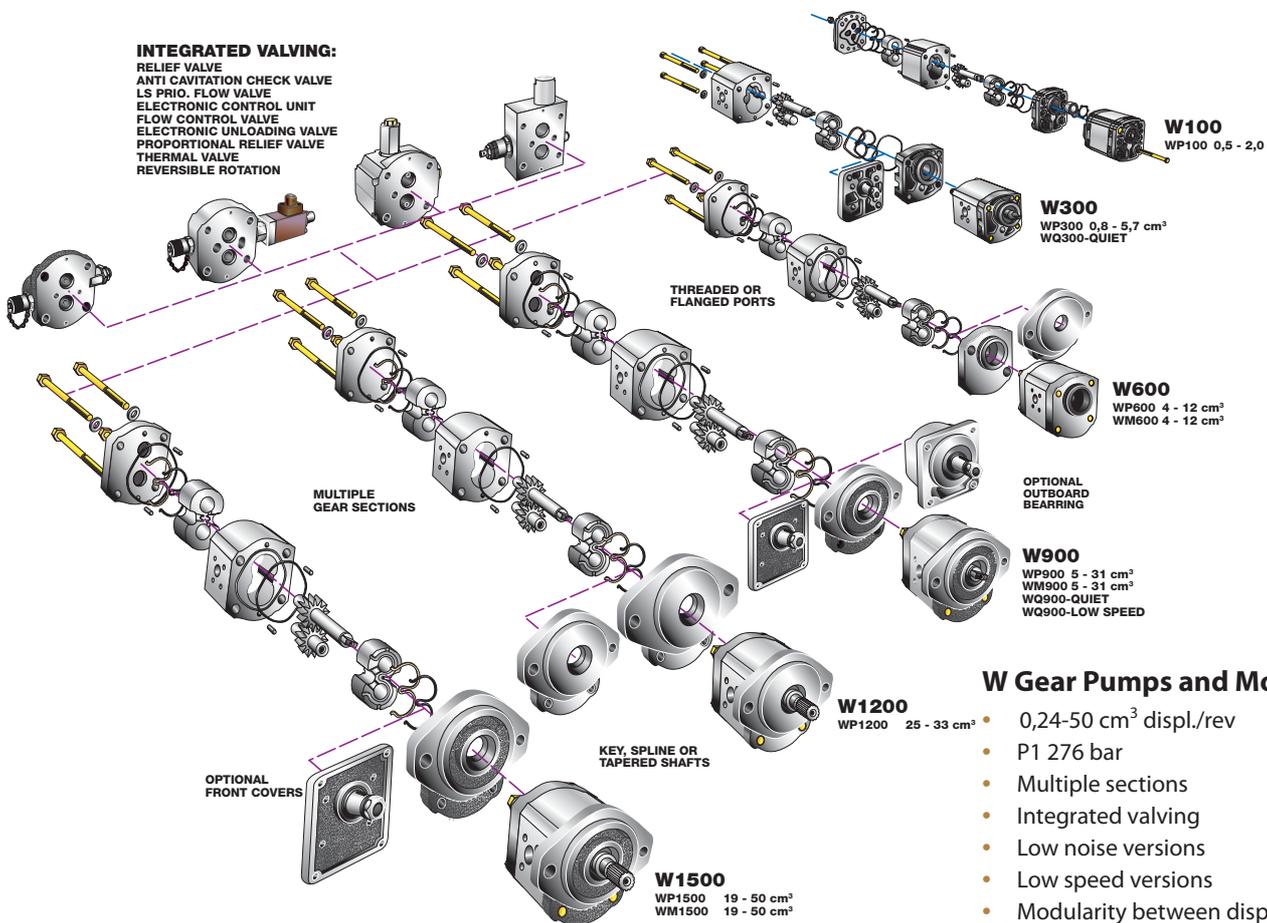
EGR pump for reaching the new emission levels and regulations Euro 5 and US07 with maintained engine performance and fuel economy without additives.





### He Power Packs

- 12/24 VDC compact power packs
- 0,3-4,5 kW with optional cooling fan
- 0,24-5,7 cm<sup>3</sup> displacement
- Low noise version
- AC flanges available
- 1,5 - 12,2 oil reservoirs
- Modular concept for flexibility



### W Gear Pumps and Motors

- 0,24-50 cm<sup>3</sup> displ./rev
- P1 276 bar
- Multiple sections
- Integrated valving
- Low noise versions
- Low speed versions
- Modularity between displacement ranges

## PRODUCT RANGE

### HE Powerpacks

12/24/48 VDC 0.3 – 4.5 kW and  
0.75 – 3 kW AC modular power packs

### HE Box Powerpacks

12/24/48 VDC modular powerpacks  
in weatherproof boxes

### Pressure Switches

5 - 350 bar, connecting/disconnecting

### W100 Hydraulic pumps

0,5 - 2,0 cc 227 bar

### W300 Hydraulic pumps

0,8 – 5,7 cc 230 bar

### W600 Hydraulic pumps / motors

3 – 12 cc 276 bar

### W900 Hydraulic pumps / motors

5 – 31 cc/section 276 bar

### Calma The new quiet pumps

6,2 - 23,7 cc/section 250 bar

### WQ900 The quiet pumps

5 - 23 cc/section 230 bar

### WP900X Hydraulic pumps

16 - 31 cc/section 276 bar

### W1500 Hydraulic pumps / motors

19 - 50 cc/section 276 bar

### F12 FERRA Heavy duty pumps

16 - 41 cc/section 276 bar

### F15 FERRA Heavy duty pumps

19 - 50 cc/section 276 bar

### F20/F30 (LS) Hydraulic pumps / motors

23 – 161 cc/section 276 bar

### GPA Internal Gear pumps

1,7 – 63 cc/section 100 bar

### GC Hydraulic pumps / motors

1,06 – 11,65 cc/section 276 bar

### D Hydraulic pumps

3,8 – 22,9 cc/section 207 bar

### H Hydraulic pumps

9,8 – 39,4 cc/section 207 bar

### II-Stage Hydraulic pumps

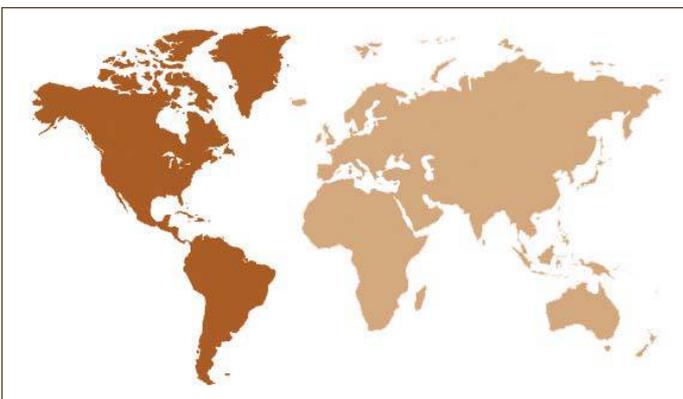
4,2 – 22,8 cc/section 276 bar

### Rotary Flow Dividers

3,8 – 13,3 cc/section 300 bar

### Transmission pumps

[www.concentricAB.com](http://www.concentricAB.com)



Concentric Rockford Corp.  
2222 15th Street  
ROCKFORD, IL 61104  
USA

Tel: +1-815 398 4400

Fax: +1-815 398 5977

E-mail: [info.hydraulics.us@concentricAB.com](mailto:info.hydraulics.us@concentricAB.com)

Concentric Hof GmbH  
Postfach 1507  
D-95014 HOF  
Germany

Tel: +49-9281 895-0

Fax: +49-9281 87133

E-mail: [info.hydraulics.eu@concentricAB.com](mailto:info.hydraulics.eu@concentricAB.com)

Concentric Skanes AB  
Box 95  
SE-280 40 SK. FAGERHULT  
Sweden

Tel: +46-433 32400

Fax: +46-433 30546

E-mail: [info.hydraulics.eu@concentricAB.com](mailto:info.hydraulics.eu@concentricAB.com)

Concentric Suzhou Co. Ltd.  
47 Dongjing Industrial Park  
9 Dong Fu Lu  
SIP, Suzhou  
Jiangsu  
China 215123

Tel +86 512 8717 5100

Fax +86 512 8717 5101

[info.chsh@concentricAB.com](mailto:info.chsh@concentricAB.com)



Concentric is an innovator in flow control and fluid power, supplying proprietary systems and components for trucks, buses and industrial vehicles, worldwide. With 1,156 employees and yearly sales exceeding 1,977 million Swedish Kronor, Concentric AB is listed on the Stockholm Stock Exchange ([www.concentricAB.com](http://www.concentricAB.com)).

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