

# More than an alternative

axial piston pumps and motors / vane pumps and motors  
internal gear pumps / on-off valves / servopumps



hyd<sup>h</sup>draut

## We develop, customize and test our hydraulic products

**Hydraut** has been creating customized hydraulic components since 2006 to answer the need for high-quality alternatives of the European market and provides customers with the best solutions for their needs.

The wide range of Hydraut components is characterized by **reliability and a full interchangeability** with the most reliable hydraulic components on the market.

### HA2FM

#### Axial piston motors - fixed displacement

##### FEATURES

- Available displacement:  
from 10 to 180 cm<sup>3</sup>/rev
- Working pressure: 400 bar
- Peak pressure: 450 bar

##### MAIN APPLICATIONS

- Mobile and construction equipment
- Concrete mixers
- Sweepers



### HA6VM

#### Axial piston motors - variable displacement

##### FEATURES

- Available displacement:  
55-80-107-160-200 cm<sup>3</sup>/rev
- Working pressure: 400 bar
- Peak pressure: 450 bar
- Available controls:  
Proportional hydraulic control HD\*  
Proportional electrical control EP\*  
Two-point electrical control EZ\*  
Two point hydraulic control HZ\*  
Automatic control HA\*

##### MAIN APPLICATIONS

- Mobile and construction equipment
- Harvesters
- Sweepers
- Cranes



# HSP

## Axial piston pumps - variable displacement - open circuit

### FEATURES

- Available displacement: from 18 to 140 cm<sup>3</sup>/rev
- Working pressure: 280 bar
- Peak pressure: 350 bar
- Available controls: Cut-off/Load sensing/Remote pressure control, Torque limiter, Proportional pressure & flow regulator

### MAIN APPLICATIONS

- Hydraulic power units
- Hydraulic presses
- Metal forming machines
- Mobile and construction equipment



# HA4VG

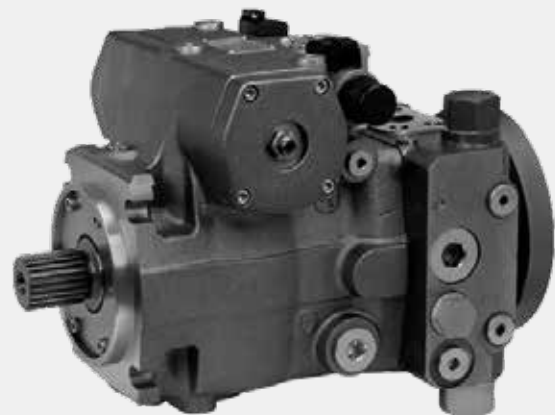
## Axial piston pumps - variable displacement - closed circuit

### FEATURES

- Available displacement: 40, 56, 71, 90, 100, 125 cm<sup>3</sup>/rev
- Working pressure: 400 bar
- Peak pressure: 450 bar
- Available controls: HW/HD hydraulic proportional control, EP1/EP2/EZ electrical proportional control

### MAIN APPLICATIONS

- Mobile and construction equipment
- Concrete mixers
- Harvesters
- Cranes



## HA2FO

### Axial piston pump - fixed displacement - open circuit

#### FEATURES

- Available displacement: from 10 to 200 cm<sup>3</sup>/rev
- Working pressure: 400 bar
- Peak pressure: 450 bar

#### MAIN APPLICATIONS

- Mobile and construction equipment
- Concrete mixers
- Sweepers
- Cranes



## HG

### Internal gear pumps

#### FEATURES

- Available single and double pumps (HG0, HG1 and HG2 series)
- Speed range up to 3000 rpm
- Nominal pressure: up to 315 bar
- Nominal displacement: 4:160 cc/rev
- Hydraulic fluid used: HLP, HFC, HEES, HFD-U

#### APPLICATION FIELDS

- Plastic and rubber injection molding machines
- Machine tools
- Trimming presses
- Hydraulic power units
- Die casting machines



# 4WE(H), ZDR, ZDB, Z2F(S), Z2S

## Directional and modular valves

### FEATURES

- Max working pressure up to 315 bar
- Size: Cetop 3, Cetop 5, Cetop 7 and Cetop 8
- Single & double solenoid, DC & AC voltage
- Modular valves available for pressure, check and flow control



## KSPH

## Electro-hydraulic hybrid system

### BENEFITS

- Energy saving up to 80%
- Ideal for new applications & existing machines
- Noise reduction up to 20 dB
- Plug & Play for quick installation

### MAIN APPLICATIONS

- Plastic and rubber injection molding machines
- Metal forming machines
- Die casting



# KSPHE

## Electro-hydraulic hybrid system for Electrification in the mobile field

### FEATURES

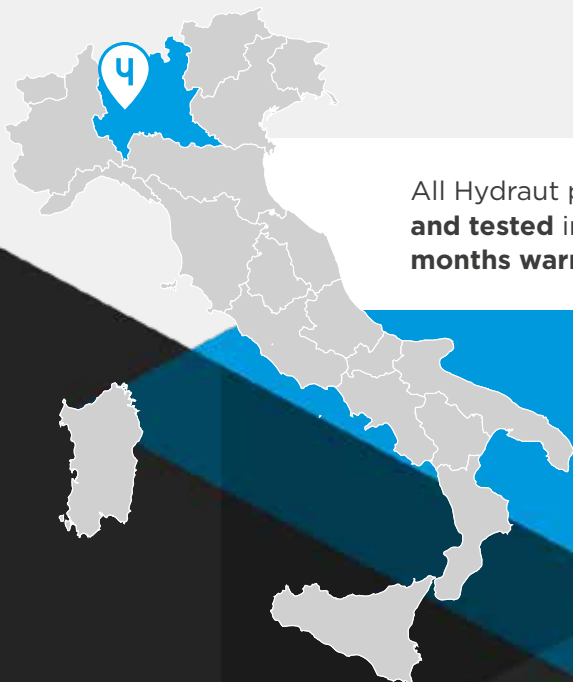
- Temperature range: -40° to +85°C
- Protection: IP 67
- Supply voltage: 9-36V DC
- Supply current: 700 mA (@ 12v)
- Power input: 350V to 800V DC, 24V to 48V DC (Coming Soon)

### BENEFITS

- Power-on-Demand technology with permanent magnet motor delivers energy savings of over 82%
- Up to 86% size reduction for a more compact and space-saving design
- Complete integration combines motor, controller, software and cooling system into a single solution, reducing installation time and cost
- Built for harsh environments and tested to SAE J1455 standards to ensure long-term reliability
- Easily customizable thanks to a modular design that can be tailored to specific application needs

### MAIN APPLICATIONS

- Medium and heavy-duty trucks
- Electric & hybrid mobile machines
- Off-highway vehicles
- Hybrid and electric vehicles
- Electric inspection drilling machines



All Hydraut pumps, valves and motors are **assembled and tested** in our workshop **in Italy** and have a **24 months warranty** period



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