

## Atos galvanizing plant for zinc plating treatment

The new Atos zinc plating galvanizing plant is now completed and it will be fully operative from the beginning of next year.

Thanks to the sophisticated controls on the whole process, it grants higher quality respect to the current zinc treatment plus the new "Top Coat" in-line painting that provide following advantages:

- ▶ complete coating of valve's internal surfaces for a better protection in case of long components stocking in wet environments
- ▶ external surfaces resistance to white oxidation up to 200 h in salt fog test
- ▶ improved surface aspect thanks to the better colour homogeneity



New Atos galvanizing plant

## **New** Threaded type on-off solenoids for DHE/DKE

Atos has nearly completed the development of new high performance threaded solenoids, 100% manufactured in Italy on Atos design. They will be cURus certified to North American Standard and they will replace the solenoids currently adopted on DHE / DHER and DKE / DKER valves, granting similar or even better performances respect to actual -R versions.

As a consequence, during 2014 DHER and DKER valves will be phased-out, thus simplifying the Atos range for solenoid's valves:

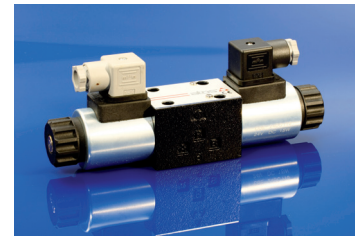
Size 06: current DHI plus new DHE series 20

Size 10: new DKE series 20

Documentation: technical table under construction

Availability: beginning of 2014

List price: 2014 Price List



New DHE series 20

## **New** ZE-A proportional valves

New line of cost effective proportional open loop valves equipped with threaded type solenoids. It will offer excellent performances at competitive prices for mobile, plastics and other industry applications.

The range will include in the first step the directional controls size 06 DHZE-A and size 10 DKZE-A, while the piloted version DPZE (size 10 to 25) and pressure controls RZME and AGMZE will follow.

Documentation: technical table under construction

Availability: beginning of 2014

List price: 2014 Price List



New DHZE and DKZE

## **New** DPZO-4 size 25 with increased flow

The new high flow proportional valve DPZO-4 (size 25) is equipped with the same body of current DP-4 on/off pilot operated valves, thus granting flow performances aligned with the correspondent BRR model.

Executions, options and spools range are the same of current DPZO-3 which will be gradually phased-out in 2014. The new DPZO-4 will be also available with /M option = enlarged ports size 32 (TAK - **TF070**)

Documentation: technical tables **F170**, **F172**, **F175** available at Atos on-line catalog

Availability: few samplings are already available, series from March 2014

List price: 2013 Price list



DPZO-LES-4

### **New high pressure valves - max P 420 bar**

Current range of high pressure valves for heavy duty application (DHEP, DKEP, LIQZP - see [Infotec Valves n° 24 & 27](#)) will be extended with new pressure relief valves, to allow the design of complete hydraulic system withstanding 420 bar max pressure: CART M3, M4, M6; ARE-06 & -15 plus relevant cartridges.

PED certification will be optionally available, as usual.

Documentation: technical tables [C010](#), [C020](#), [E135](#) available at Atos on-line catalog

Availability: standard versions already running, PED options will follow

List price: 2014 Price List



420 bar cartridge valves

### **CNC Press Brakes**

#### **New ESA driver for Atos closed loop synchro blocks**

Atos standard size 06 blocks, type PB06-\*\*-HT, can be now directly driven by ESA controllers ([www.esautomotion.com](http://www.esautomotion.com)) not requiring anymore the presence of the Atos electronic driver. To introduce the closed loop proportional driver function in the existing ESA controllers, it is just required to updated the software and to add a simple power amplifier.

This solution will allow to better challenge OERBIGER closed loop blocks thanks to more competitive prices and superior performances.

This new closed loop solution will join the existing open loop one, commonly supplied for standard performances presses.



BP06-HT press brakes block

### **New TAK 13 catalogue**

The updated issue of TAK '13 supplementary components catalogue, is now available, both on-line at [www.atos.com](http://www.atos.com) (on-line catalog, section "other components") and in printed book form; it includes several news like modular safety valves with /FV position monitor, proportional relief valves with max pressure 500 bar, new DPZO-4 with increased ports size 32, ATEX ex-proof valves with proximity sensor or with solenoid internal suppressor diode.

Contact Atos marketing dept. to require your copy.



### **DHZO-A/FI for safety functions in concrete pumps**

The undesired arm oscillations in concrete pumps have been solved by means of a proportional directional valve type DHZO-A operated in closed loop by a sophisticated machine software with accelerometers remotely fit on the extensible arm.

The proportional valve's real-time reaction compensates the pressure pulsations caused by the machine pumping cylinder, thus attenuating the oscillations at the upper end of the extensible arm. The proportional valve is also equipped with an inductive sensor detecting the spool's open/close position for safety requirements.



Concrete pump extensible arm