

## • New solenoid valves size 06, type DHE and DHER

Atos is going to introduce in the range of size 06 solenoid valves 2 new models, identified DHE and DHER, which will progressively replace the current DHU and DHO.

These new valves are characterized by high force, threaded type solenoids ensuring valve's performances up to 80 l/min and 350 bar.

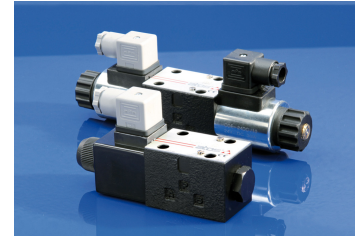
DHE valves are equipped with high performance solenoids that in the DHER model are certified according the North American standard C UR US.

The new valves are available with the same executions, spools and options of DHI and DHU models and can be also provided with electric coil connections specific for mobile applications, type AMP, Deutsch or lead wires.

Documentation: technical table [E015](#) in progress

Availability: DHE from January 2012, DHER from February 2012

Prices: available on next 2012 Price List



## • New DP-2 series

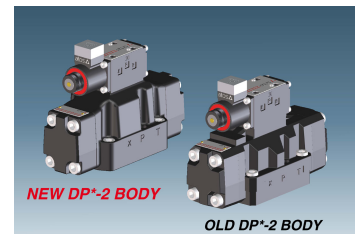
The new series of DP\*-2 on-off pilot operated valves is provided with new main body casting and increased spool's diameter from 25 mm to 28 mm improving flow capacity and pressure drops.

It will replace the current series and it will be gradually introduced in all Atos range of directional valves size 16.

Technical documentation: technical table [E085](#) already available in Atos catalog on-line

Availability: samplings can be available from January 2012, pre-series will start from June 2012

Prices: unchanged respect to actual price



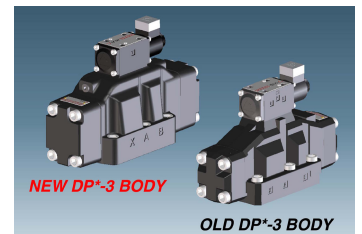
## • New DP-3 series

Also for DP-3 a new series with renewed main body is going to be introduced in Atos range and it is characterized by spool diameter increased from 32 mm to 38 mm. The valve length has been increased of +20 mm to install strong springs and ensure a reliable spool return at high pressure conditions. The pilot valve has been reversed of 180° respect to current series in order to align this new execution to the main competitors one.

Technical documentation: technical table [E085](#) already available in Atos catalog on-line

Availability: samplings can be available from March 2012, pre-series / series will start from October 2012

Prices: unchanged respect to actual price



## • New DPZO-2 and -3

The new body introduced for DP-2 and DP-3 on-off versions will be extended also to the proportional executions DPZO\*-2 and DPZO\*-3. The new series is characterized by improved flow performances thanks to the increased spool diameter. The valve's configurations, spool type and options will be the same as the running series.

Technical documentation: will be prepared in 2012

Availability: due to the consistent performance improvements respect to the running series, the new versions need a long testing time before its availability in series production, expected not earlier than January 2013. During next year we will organize samplings to the main worldwide customers

Prices: unchanged respect to actual price

## • Safety valves DH/FI and DK/FI with new proximity sensor 100 bar

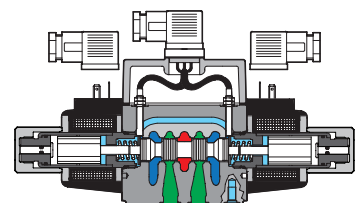
The safety valves type DH\*\*/FI and DKE(R)-\*/FI are now equipped with new inductive proximity sensors capable to withstand a max working pressure up to 100 bar.

This solution ensures a much better reliability respect to the old version in which the sensor pressure was limited to 5 bar and then critic in applications with pressure peaks on T line.

Technical documentation: technical table [E110-16](#) is already available in Atos catalog on-line

Availability: running

Prices: available in LPS price list 11100



Safety valve DKE(R)-\*\*/FI

**• New packing for SC LI cartridges and threaded plastic plugs for manifolds**

Atos is going to introduce a new packing solution for SC LI cartridges, replacing the actual cardboard housing, easy to be deteriorated by water and high humidity. The new packing is fully made in plastic material to provide better protection, especially in case of overseas shipments. The new packaging also offers a much better quality image.

**• New threaded plastic plugs**

During transportation and handling the residual oil, remained inside Manifolds, Multiple subplates, Cylinders and Power Packs, after testing, may leak from connection ports which are now plugged with simple plastic plugs. This aspect causes discomfort for customer and it gives a not positive quality image.

To prevent oil leakages Atos and Scoda are going to introduce for all the above components specific threaded plastic plugs provided with O-ring which ensure a perfect sealing. Scoda is already using the new threaded plugs in its power units, for Atos Valves and Cylinders divisions this improvement will be introduced at the beginning of the new year.

**• New packing solutions for proportional valves**

New packing solutions for proportional valves provide improved protection especially in case of overseas shipments.

Two different packages according to the valve type:

- a) cardboard box with elastomeric film for proportional valves size 06 and 10, ensures a very good insulation from the external environment and it offers high protection from mechanical shocks
- b) Polyethylene layer, reproducing the valve's external profile for AGRCZO, DPZO, LEQZO, LIQZO (from size 16 to 50). This layer avoids the valve's movements and it provides a very high shock absorption degree in case of collision, strong shaking or hits. For LIQZO-63 to 100 a new improved packing is under development.

Availability: around February 2012

**• PVL variable vane pumps**

The new PVL-200 will replace from February 2012 the running models PVL-206, -210 and -316 and it will be marketed by Scoda.

This decision is motivated by the progressive lowering market trend of this type of pumps. In addition the new PVL-200 is not interchangeable with the replaced models, with consequent troubles and discomfort for our running customers.

Technical documentation: technical table [SA082](#) already available in Scoda catalog on-line

Availability: the new PVL-200 will be available from February 2012

Prices: the 2012 price list for PVL-200 is still not defined, but you can consider that it will correspond to the actual Scoda one valid for PVL-316 (price list 2011 = 1450 €).

**• New robotized welding line for on-off and proportional solenoids**

A new laser welding system has been introduced in Atos production line for tubes of proportional and ex-proof solenoids, to obtain higher quality standards.

The new robotized manufacturing process reduces the cycle time and the laser welding ensures accuracy and repeatability

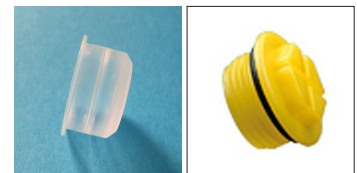
**• Start-up of the improved components cleaning program**

The production process cleanliness level is more and more becoming a sensible issue for customers, especially in automotive and energy sectors where the reliability is of primary importance. Atos is constantly improving its internal equipment, procedures and instrumentations in order to adequate the component's cleaning level to the most severe Standards.

In addition to the ICM in-line fluid contamination analysis (ISO 4406) that ensures high fluid cleanliness in production test benches, Atos has now started a project targeted to the overall improvement of the whole production cycle, according to ISO 16232. Next Infotec will keep you updated at this regard.



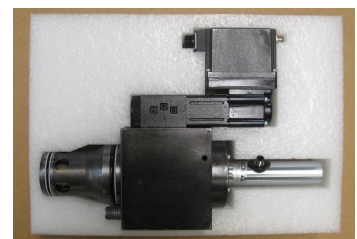
Actual packing      New packing



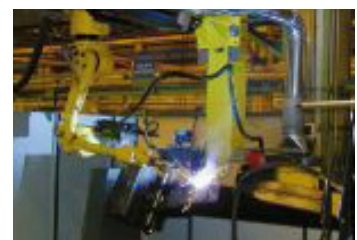
Actual plug      New plug



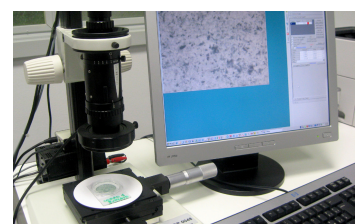
a) New packing solutions



b) New packing solutions



Robot for laser welding



Contamination analysis