

New DPZE pilot operated proportional directional valves

The positive market feedback to ZE cost effective proportional valves, has led Atos to develop also the **DPZE-A** pilot operated directional valve, size 10 to 32, to complete the range of open loop proportional directional controls.

The **DHRZE-A** proportional pressure reducing stage will be available as loose valve in the supplementary components catalog.

Availability: prototypes from Q4-2017



New DPZE-A

New SIL/PL certification for digital valves

The TUV certification to **IEC 61508 Safety Integrity Level** and **EN ISO 13849 Performance Level** for digital directional valves TES/LES and TEZ/LEZ is in progress. We expect it will be available within Q3-2017 starting from **valves with double power supply** (12 poles main connector).

Atos Technical Office is available for any additional information you might require.



TUV certified proportionals

New Fieldbuses for Atos digital valves

EtherNet/IP communication is now available for all directional & flow proportionals TES/LES closed loop valves, TEZ/LEZ axis controllers, as well as for the PES/PERS pumps, for their full compatibility and integration in digital networks powered by ROCKWELL (Allen-Bradley) controllers.

PROFINET IRT protocol is now in progress and it will be available starting from Q4-2017, extending potential applications to systems powered by SIEMENS controllers.

The digital proportionals road map has been updated accordingly [click here](#)



New Pressure relief valves with PED certification up to 420 bar

PED certification, currently available up to 350 bar, is going to be extended to **420 bar** max pressure for screw-in cartridges CART M-3, M-4, M-6, ARE-15; stainless steel models and pressure relief ARE-*

Price list: unchanged

Availability: new certification will be ready within Q2/2017

Tech. documentation: updated tables C010 & C020 already in catalog on-line and in KT17



PED screw-in cartridges

New LIQZA with new ex-proof main position transducer

The new **LIQZA** ex-proof servoproportional cartridges is now able to handle the same nominal flow rate controlled by the standard LIQZP thanks to the new position transducer, ATEX & IECEx certified, with increased stroke respect to old version.

The size range is from 16 to 100, without or with on-board digital driver.

Price List, Technical documentation and availability: on request



New
LIQZA-LES 3 way

New UL certified ex-proof solenoids without pre-wired cables

Atos has obtained the **UL** certification for ex-proof solenoids **without pre-wired cables**, that allows customers to perform the connection using UL listed cables and cable glands at their choice. This new solution simplifies the installation respect to the old version in which the fixed length of factory wired cables obliged the customer to use conduit pipes and junction boxes.

The on-off and proportional ex-proof valves without cables are identified by **series 30** and they are equipped with a new solenoid's nameplate reporting the additional French language for Canadian market.

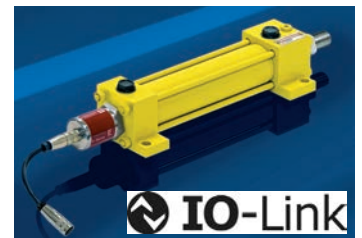
The new series will be available from week **26/2017** fully replacing the old series 22 which will be temporarily available on request till the end of 2017 and then phased-out.

Price list: unchanged

Technical documentation: temporarily on request; in catalog on-line from July



UL ex-proof valves without cables



Servocylinder with IO- Link output

New Servocylinders with transducer IO-LINK output

New CKM servocylinders equipped with the innovative position transducer with IO-Link output increases the feedback signal speed over **15%** and reduces the costs respect to actual magnetostrictive transducers with digital output.

The IO-Link output simplifies the wiring by a consistent reduction of the electrical connections and it improves the diagnostics according to the Industry 4.0 criteria.

Electrohydraulic systems for recycling and waste industries

Atos is traditionally present in the recycling and waste industry with customized hydraulic systems for compactors, briquetting and balers. This sector is consistently grown thanks to modern eco-compatible policies for the environmental preservation.



Power unit for compactors

New automated system for solenoid machining

A first class Nakamura CNC lathe, assisted by a robotized arm for loading/unloading, will be shortly installed in Atos plant to improve the quality level and the production efficiency of proportional solenoid housings; furthermore the innovative computerized optical inspection system with high-resolution cameras, detects eventual machining defects.



CNC lathe for integrated machining system