

Test of „Flying Hydraulic Systems“

(Haan/Hannover, April 13, 2015) Worldwide, aircrafts are serviced on highly specialized facilities and tested by especially equipped test benches. Such systems require particularly reliable couplings made of virtually wear-free materials in a durable design.

A typical application example is the test of so-called Flow Control Valves which are often used in civil aviation, e. g. in air conditioning systems of larger passenger planes.

Such Flow Control Valves are not only made of electronic, but also of hydraulic components, which have to be tested regularly. This is the only way for a pilot to adjust the status of a valve safely and to monitor it in the cockpit.

For testing the Flow Control Valves the hydraulic lines are connected via WALTHER couplings. Monitoring air pressure differences, the pilot can test, if all functions remain inside allowable limits.

Also other components and functions are examined on flexible test benches for different test connections and nominal widths. For this purpose, not only air, but also Skydrol or other media with pressures up to 300 bar are used to test the hydraulic systems.

The broad range of WALTHER offers robust, safe and - on request - also non-interchangeable connections for all nominal diameters.

For a safer handling, WALTHER has introduced coloured markings to indicate if a coupling is safely locked.

Press release

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Picture 1: Series LP



Picture: Series HP

**Hannovermesse, Hall: 20, Booth: C19**

For queries please contact:

WALTHER-PRÄZISION

Carl Kurt Walther GmbH & Co. KG

Petra Braun, Abt. Marketing

Westfalenstr. 2

42781 Haan /Deutschland

Tel.: 49 (0) 21 29 567-442

Fax: 49 (0) 21 29 567-450

E-Mail: [pbraun@walther-praezision.de](mailto:pbraun@walther-praezision.de)

Internet: [www.walther-praezision.de](http://www.walther-praezision.de)