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JET TEST QD®

**BULLETIN 14
(12-18)**

TESTING DURING REFUELING WITH THE JET TEST QD®

**A MINIATURE, PERMANENTLY-INSTALLED QUICK DISCONNECT
COUPLER FOR TESTING DURING JET REFUELING OPERATIONS**



Backed by 40 years of successful performance all over the world, the Jet Test QD® is a proven concept in Quick Disconnect Couplers for performing tests for dirt, water, and pressure regulation during the refueling of jet aircraft.

The Jet Test QD® is so small that it can be installed permanently on the underlying fuel nozzle. Prior to the introduction of this product, a pressure or contamination test at the nozzle could not be performed without considerable fuel spillage while a connection was fabricated at the plugged port.

USES FOR THE JET TEST QD®



Perform a contamination test with the Gammon MiniMonitor® Kit (or Millipore Test Kit). Just twist out the dust plug with a coin and insert the test apparatus. It takes only 15 seconds.

SEE BULLETIN 8



Perform a water test with the Gammon Aqua-Glo®. A complete test can easily be performed, including dust plug removal and replacement well within three minutes.

SEE BULLETIN 86



Perform a pressure test while refueling the aircraft. It takes only a few seconds. Simply twist the dust plug with a coin and pull it out, then insert the test gauge and twist to lock on the bayonet pin.

SEE BULLETIN 46



GTP-235-3/8
shown with standard dust plug (included)



GTP-235-3/8S



Coupler shown with actuator (not included)



GTP-235-3/8AH

COUPLERS

The exposed portion of the Jet Test QD® coupler is no larger than a standard hex head pipe plug, yet it contains an inner or primary seal as well as an outer secondary seal which is created by the dust plug.

See the table below to determine the appropriate coupler for your application.

The three couplers shown here are pictured with the standard knurled dust plugs.

DUST PLUGS

This is a dust plug that is also a secondary pressure seal. It is removed only when a test is to be run. GTP-235-9K is the standard plug for the GTP-235-3/8 coupler. GTP-235-9SK is the standard plug for the “AH” and “S” couplers. The standard plug is included unless otherwise specified. If the tee handle plug is desired, the customer must specify (GTP-235-9T for standard length, or GTP-235-9ST for “AH” and “S” couplers).



GTP-235-9K

GTP-235-9T



GTP-235-9SK

GTP-235-9ST

ACTUATORS



GTP-235-2



GTP-235-2AH

The actuator should be attached permanently to the test apparatus or pressure gauge. The standard actuator is GTP-235-2. A short version, GTP-235-2AH, is available to fit the “S” and “AH” couplers. Both actuators have 1/4” NPT threads.

Insert the actuator nipple, and rotate a quarter turn to lock on the bayonet pin. The internal valve automatically opens and a test can be performed.

REFUELING NOZZLE			JET TEST QD® COUPLER MODEL	
MAKE	MODEL	THREAD SIZE	LONG STYLE	SHORT STYLE
Whittaker* Carter Cla-Val	All models	3/8 NPT	GTP-235-3/8	GTP-235-3/8S (see note)
Avery Hardoll	Carter	3/8 BSP		GTP-235-3/8AH
NOTE: Avery Hardoll and Flight Refueling nozzles must use the short or AH Jet Test QD® to avoid interference, and therefore must use short actuators (GTP-235-2AH). Customers who also have other brands of nozzles should use the “short” or “S” style Jet Test QD® so that both long and short actuators will not be needed on test equipment.			ACTUATOR FOR ABOVE MODELS GTP-235-2 GTP-235-2AH Actuators have 1/4” NPT threads.	

All metal components are 300 Series stainless steel, except the dust plug, which is aluminum. The sealing compound is Viton.

To order replacement dust plugs, specify the style shown in the photograph above. If the coupler has the suffix “AH” or “S,” be sure to order the GTP-235-9SK or GTP-235-9ST dust plug.

*Formerly known as Parker, Thiem, and now Whittaker.

**CAUTION: If the sample ports on a Carter nozzle are laterally side by side when the nozzle is viewed with the nose seal up, use only the right hand port.