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JET TEST QD®
BULLETIN 14
(08-11)

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 it can be installed permanently on the underwing fueling 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.



Perform a contamination test - with the Gammon MINIMONITOR® Kit (or Millipore Test Kit). No preparation time is required - just twist out the dust plug with a coin and insert the test apparatus. This takes less than 15 seconds.

See Bulletin 8



Perform a water test with the Gammon AQUA-GLO®. A complete test can be performed, including dust plug removal and replacement well within 3 minutes.

See Bulletin 86



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

See Bulletin 46



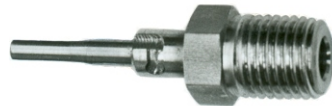
GTP-235-9K



GTP-235-9



GTP-235-9T



COUPLER

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.

DUST PLUGS

This is a dust plug that is also a secondary pressure seal and is removed only when a test is to be run. GTP-235-9 with thumbnail slot is the standard plug. If the knurled plug (GTP-235-9K) or the tee handle plug (GTP-235-9T) is desired, the customer must specify. For couplers with the suffix "S" and "AH," the standard dust plug is GTP-235-9S. If the knurled or tee handle versions of this dust plug are desired, please specify. GTP-235-9 is included unless otherwise specified.

ACTUATOR

The actuator should be attached permanently to the test apparatus or pressure gauge. The standard actuator is GTP-235-2, shown in the photograph. A short version (GTP-235-2AH) is available to fit the "S" and "AH" couplers.

Insert the actuator nipple a quarter turn, and rotate to lock on 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 CLAVAL	All Models	3/8 NPT	GTP-235-3/8	GTP-235-3/8S(See Note)
AVERY HARDOLL	All Models	3/8 BSP		GTP-235-3/8AH
ZENITH	AR630, Ar631	12MM	GTP-235-Z	
CARTER	6902 MILITARY D-1	7/16-20 WITH O-RING BOSS	GTP-235-1/4AND	
NOTE: Avery Hardoll and Flight Refuelling nozzles must use the short or AH Jet Test Qd's® (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's® 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. Sealing compound is Viton. We welcome an opportunity to propose on non-standard specials to meet other size, thread, material, or sealing compound specifications.

* Formerly known as Parker, Thiem and now Whittaker.

Replacement Dust Plugs: Specify style shown in photograph. If the coupler has the suffix "S" order GTP-235-9S, GTP-235-9SK or GTP-235-9ST.

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