

2. 1/2 Inch Nozzle Isolating Valve

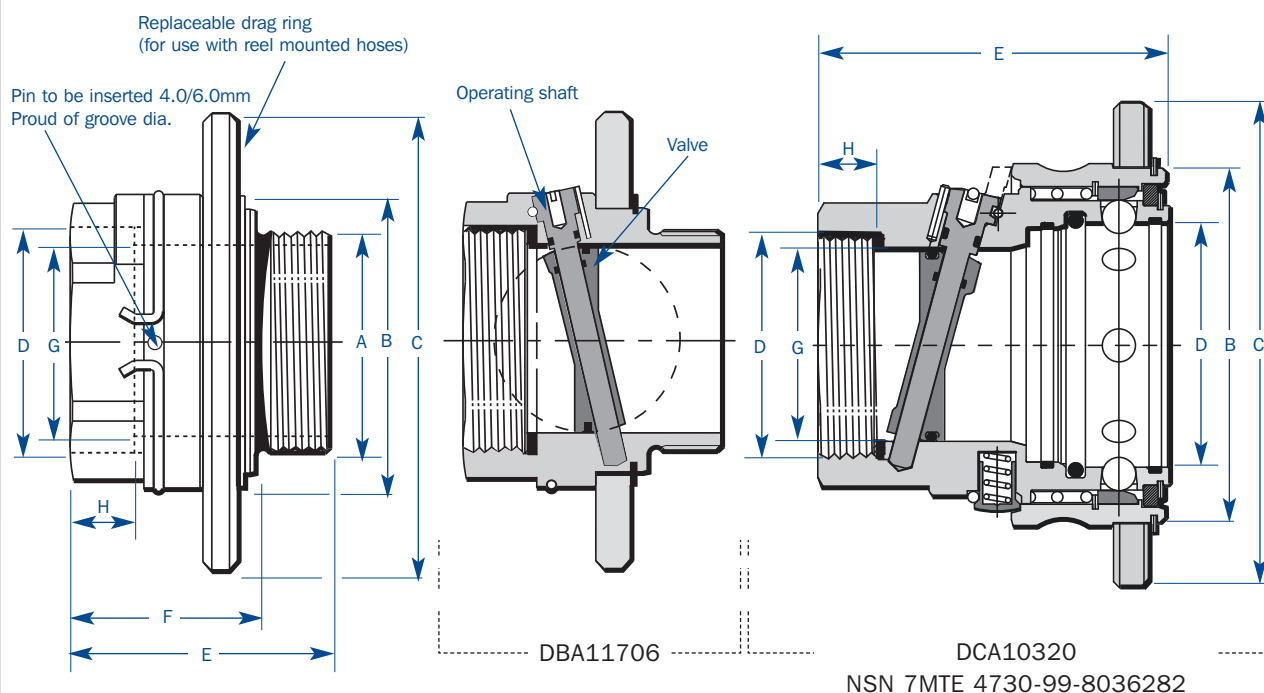
Part No DBA11706/DCA10320

Technical Data

The Fluid Transfer Nozzle Isolating Valve can also be fitted to the upstream end of the hose - between the hose and the hose reel hub or in the case of deck hoses - between the hose and the deck hose swivel. This is particularly useful on refuelling vehicles where the hose reel, deck hose swivel or upstream valves cannot withstand a 20 bar (300 PSI) test pressure and enables the hoses to be "in-situ" pressure tested (without removal from the vehicle). The only tool required to operate the unit is a 6 mm hexagonal (Allen) key - one is provided with each unit and is also a standard item in a fitter's toolbox. Likewise no special tools are required to service the unit.

Features

- DBA11706 mates with any fuelling nozzle utilizing 2.1/2 inch BSPP threaded inlet.
- Suitable for pressures up to 20 bar (300 PSI) open or closed.
- Lightweight - 950 gms.
- Short in length - 60mm effective length.
- Low pressure drop - less than 0.2 bar (3 PSI) at 1800 litres per minute.
- Wrought high strength aluminium alloy construction for maximum toughness.
- Easy to replace inexpensive seals.
- Operating temperature range - 25°C to + 80°C.



Options

- Standard versions have DBA11706 2.1/2 inch BSPPM / 2.1/2 inch BSPPF threads.
- Optional 2.1/2 inch NPT threaded version available to special order. DBA11712 (Incl Drag Ring), DBA11712-1 (Excl Ring).
- Optional Quick Disconnect version DCA 10320 with 'F Profile' Flight Refueling attachment.
- Available without a drag ring (for deck hose nozzles) - or - with a drag ring (for reel hose nozzles).

Dimensions.

Item	Part No.	A	B	C	D	E	F	G	H
Nozzle Isolating Valve With Drag Ring	DBA11706	2½" BSPP	Ø100mm	Ø160mm	2½" BSPP	90mm	65	Nominal 63mm	18.5mm
Nozzle Isolating	DBA11706-1	2½" BSPP	Ø100mm	Ø160mm	2½" BSPP	90mm	65	Nominal 63mm	18.5mm
Quick Disconnect With Drag Ring	DCA10320	F Profile Flight Refuelling	Ø120mm	Ø160mm	2½" BSPP	116mm	-	Nominal 63mm	18.5mm

FTI's policy of continuous improvement means we reserve the right to alter designs and specifications without notice. The descriptions, illustrations and product references in the datasheet are for information purposes only and are not binding. (Updated December 09)

2. 1/2 Inch Nozzle Isolating Valve



Part No DBA11706/DCA10320

Application

Permits virtual 'dry break' for strainer inspection and nozzle change.

Connections Available

Mates to any male 2.1/2" BSP thread end permitting quick connection to a 2.1/2" male adaptor.

Features

- High strength aluminum alloy.
- High Nitrile Seals
- Standard versions have 2.1/2 inch BSPPM / 2.1/2 inch BSPPF threads.
- Lightweight - 950 gms.
- Short in length - 60mm effective length.
- Low pressure drop - less than 0.2 bar (3 PSI) at 1800 litres per minute.
- Operating temperature range - 25°C to + 80°C.

Options

- Optional 2.1/2 inch NPT threaded version available to special order.
- Suitable for pressures up to 20 bar (300 PSI) open or closed.
- Available without a drag ring (for deck hose nozzles) - or - with a drag ring (for reel hose nozzles).



fluid transfer
international

Specification

The FLUID TRANSFER Nozzle Isolating Valve is designed to enable "dry-break" strainer inspection and/or nozzle removal to be carried out. This eliminates the need to drain down the hose. Unlike many units currently in use this valve is fully compatible with all nozzles having 2 1/2 inch BSPP threaded quick disconnects without creating a hybrid unit. (2.1/2 inch NPT version also available to special order).

The unit is light, short, easily handled and easy to operate for the short periods it is actually 'in use'.

A positive lock in the open and closed position is provided in addition to a "tell-tale" which indicates whether the valve is in the open or closed position.

The unit is constructed from fully heat treated high strength aluminium alloy and stainless steel.