

2. 1/2 Inch Nozzle Isolating Valve

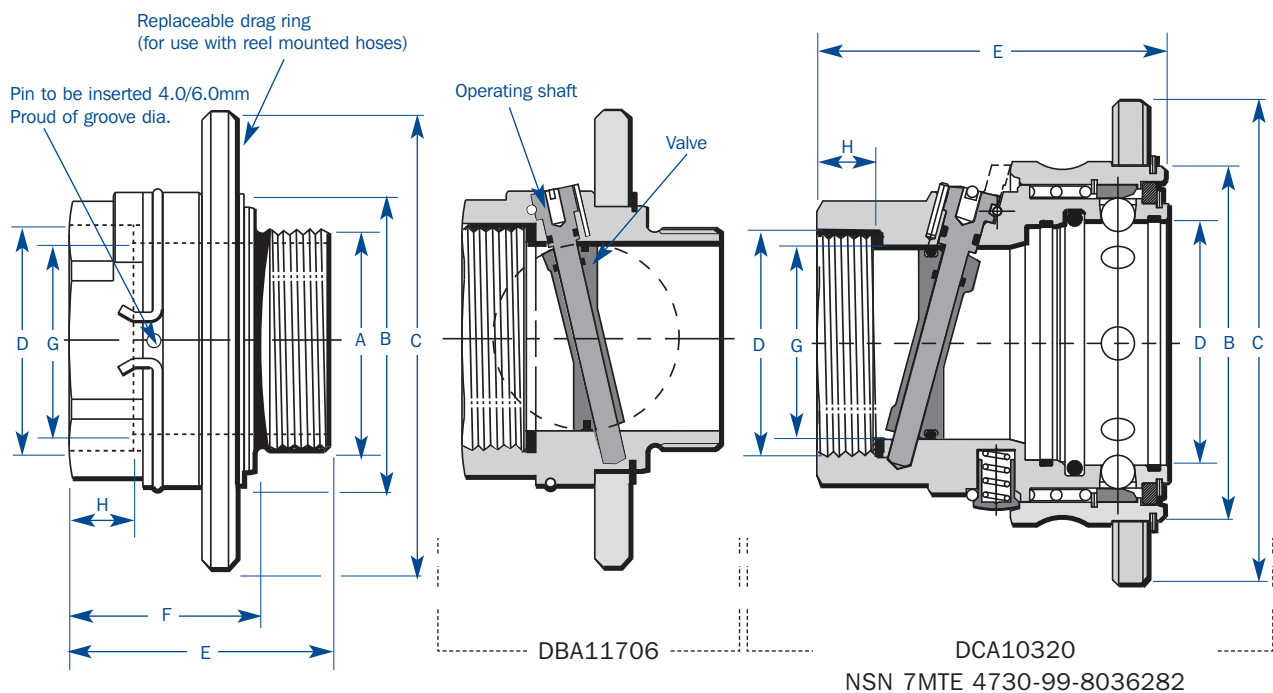
Part No DBA11706/DCA10320

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 Refuelling 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

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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).



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.

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