

# 2.1/2 Inch Aviation Tank Unit



Part No DCA10460/DCA10461/DCA10462-5

## Applications

Bottom loading points on mobile fuelling equipment, fixed installation supply outlets, and coupling points on portable fuelling trolleys, test rigs and meter proving rigs.

## Connections Available

- 3" ASA 150 Flange
- DIN 28460-80 Flange
- 2.1/2" BSP Female Thread
- 3" BSP Female Thread
- 2.1/2" NPT Female Thread
- 3" NPT Female Thread

## Features

- Maximum working pressure 10.4 bar (150 psi).
- Test pressure 20.8 bar (300 psi).
- Low pressure drop, comparable to other manufactures' valves.
- No plated component in contact with fuel and no internal fixings – prevents possible contamination.
- Seals high nitrile (BUNA-N).
- Easily replaceable stainless steel valve seat.
- Inexpensive replaceable connector in high strength Aluminum Bronze Alloy.

## Options

- Pressure assisted sealing cap.
- Non-standard flanges can be supplied to suit requirements.
- Pressure equalised opening for internal coupling pressures in excess of 5.5 bar (80 psi).
- 'Dedicated' product selectivity.
- Integral pressure tapping or sampling point – velocity head difference less than 0.076 bar (1 psi).



## Specification

The Fluid Transfer 104 Series Tank Units are light-weight, 'non-yellow metal', self sealing valves, designed to meet the stringent demands of the aircraft refuelling industry. The tank unit design contains a spring-returned plunger with integrated circumferential seals. The action of engaging the coupling forces back the plunger, breaking the seal and allowing liquid to flow through the coupling.

Applications include bottom loading points on mobile fuelling equipment, fixed installation supply outlets, and coupling points on portable fuelling trolleys, test rigs and meter proving rigs. The valves conform to British, U.S. and ISO coupling connection and strength requirements, and are compatible with all makes of pressure refuelling nozzles.

fluid transfer  
international



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- Non-standard flanges can be supplied to suit requirements.
- Tank unit options may be added using:

Suffix A - 1/4" NPT tapping.

B - 3/8" BSP tapping.

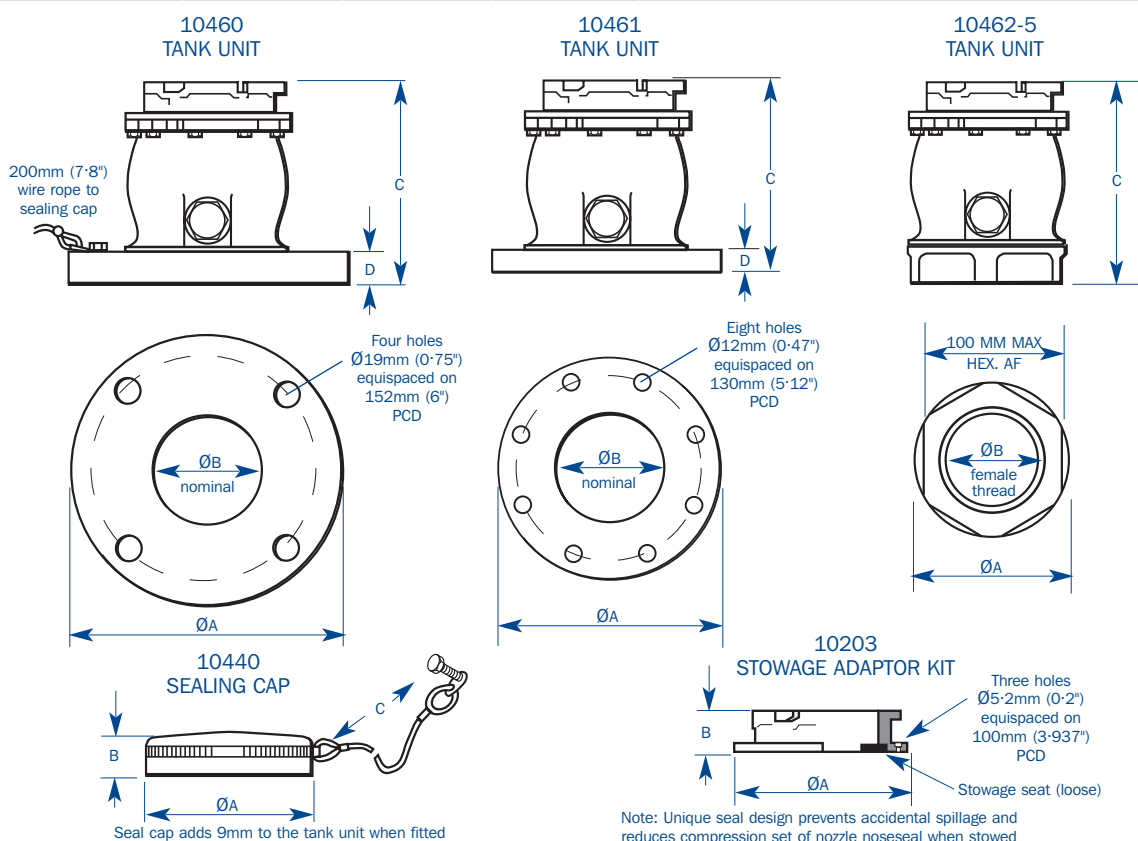
P - Pressure equalised opening.

S1 - S5 - Selectivity (state positions).

ie. DCA10460.A.PS1

### Dimensions

Item	Part No.	A	B	C	D	Flange Type	Weight
Tank Unit	DCA10460	Ø190mm	Ø76mm	140mm	23mm	3" ASA 150	2.7 Kg
Tank Unit	DCA10461	Ø154mm	Ø76mm	130mm	13mm	DIN 28460-80	1.8 Kg
Tank Unit	DCA10462	Ø115mm	2.1/2" BSP	140mm	-	-	1.6 Kg
Tank Unit	DCA10463	Ø115mm	3" BSP	140mm	-	-	1.6 Kg
Tank Unit	DCA10464	Ø115mm	2.1/2" NPT	140mm	-	-	1.6 Kg
Tank Unit	DCA10465	Ø115mm	3" NPT	140mm	-	-	1.6 Kg
SEALING CAP	DBA10440	Ø110mm	28mm	200mm	-	-	0.3 Kg
STOWAGE ADAPTOR KIT	DCA10203	Ø110mm	25mm	-	-	-	0.4 Kg



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The descriptions, illustrations and product references in the datasheet are for information purposes only and are not binding. (updated August 07)