FUEL & LUBRICATION EQUIPMENT

FLYTE COUPLER
BULK RAIL FUELLING COUPLER

The IFC rail fuelling coupler has the following key advantages:-

Hex socket replaces awkward 'C spanner' fitting on inner cartridge.
- Fast and easy replacement.
- Assured tightening with no leaks.
- No special tools required.

Quick-fit replacement inner cartridges available.
- Fits all existing brands of 'Flyte' type rail fuelling coupler.
- Quick on-the-spot change over.
- Eliminates need for repair service.
- Reduced stock of expensive complete 'standby' couplers.

Viton Quad ring replaces PTFE ring.
- Improved sealing.
- Easily interchangeable.

Available 'Ex-stock'.
- No need to hold stocks due to long lead times.
- Fast response in an emergency.

Body manufactured from high impact steel with long life coating.
- Corrosion virtually eliminated.
- Resistance to all normal impact damage.
- Forged handles not prone to fracture unlike brittle casting of other brands.

Important Notes on Connecting To Hose

The coupler is designed to be mated to a 1.5” B.S.P.P male hose connection.

To connect the coupler:-
Locate the female threaded section of the cartridge onto the male hose connection and spin the coupler via the cartridge onto the hose.

Use the provided 12mm hex tool and a torque wrench (1/2” drive) to tighten the coupler to a maximum of **25 Nm.**

There is no need for the use of any other tools such as a pipe wrench.

Do not over-tighten, as this can distort the internal components and cause leaking.

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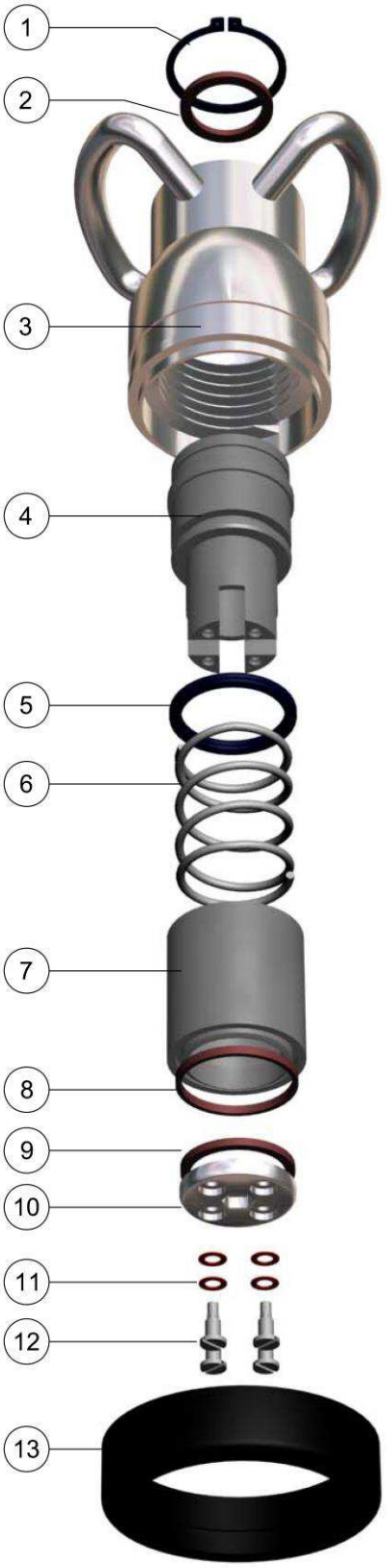

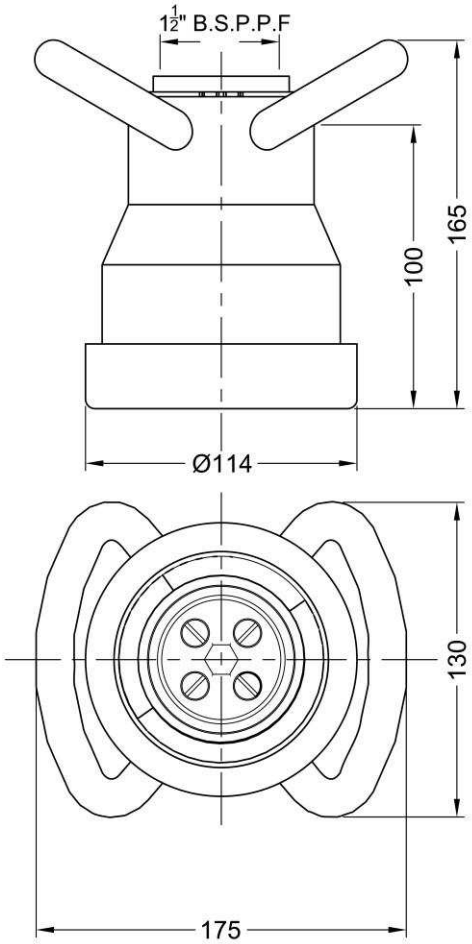

No.		Part Number	Description
1	●	FLYTE-01	Circlip
2	● ●	FLYTE-02	Hose End Seal, Viton
3		FLYTE-03	Outer Coupler Body
4	●	FLYTE-04	Inner Poppet
5	● ●	FLYTE-05	Quad Seal, Viton
6	●	FLYTE-06	Spring
7	●	FLYTE-07	Sliding Poppet Sleeve
8	● ●	FLYTE-08	Poppet Seal, Viton
9	● ●	FLYTE-09	Cap Seal, Viton
10	●	FLYTE-10	End Cap
11	● ●	FLYTE-11	Washers, Fibre
12	●	FLYTE-12	Screws
13		FLYTE-13	Rubber Bumper

● Part of FLYTE-20
Replacement Inner Cartridge Assembly

● Part of FLYTE-21
Seal Replacement Kit

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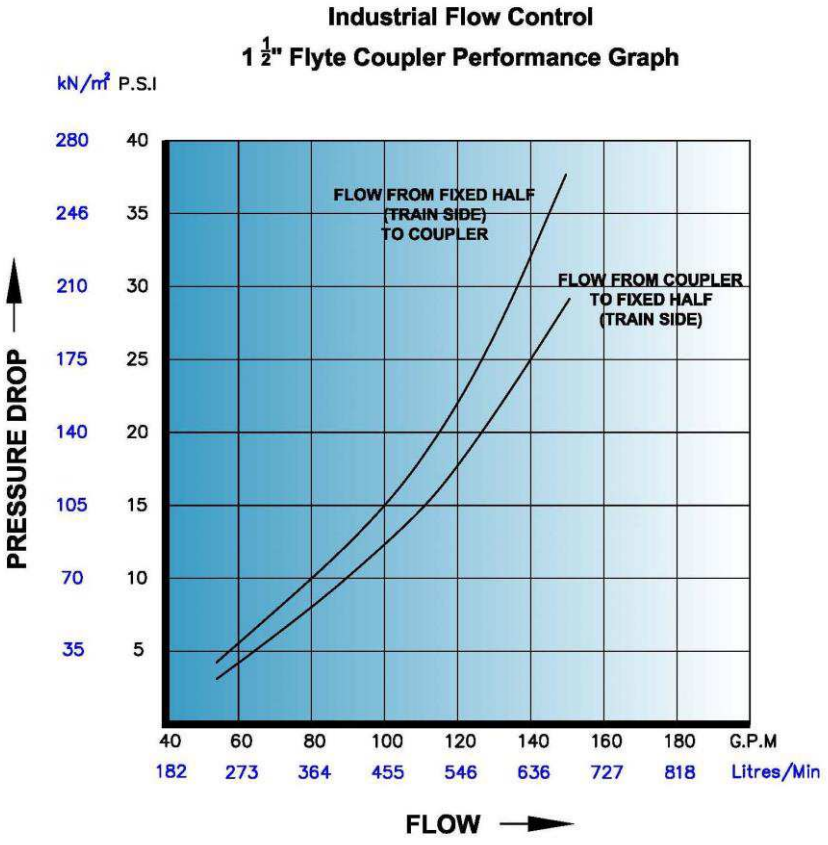
Materials of Construction

Description	Material
Hose End Seal (2)	Viton
Outer Coupler Body (3)	Carbon Steel, Zinc Electroplated
Inner Poppet (4)	Aluminium 6082
Quad Seal (5)	Viton
Spring (6)	Stainless Steel
Sliding Poppet Sleeve (7)	Aluminium 6082
Poppet Seal (8)	Viton
Cap Seal (9)	Viton
End Cap (10)	Carbon Steel, Zinc Electroplated

Flow Rate/Pressure Test Data

- **Hydrostatic Testing**
  All Flyte couplers undergo hydrostatic testing to 4bar held for 10mins, at point of manufacture.
- **Simulated Operation**
  Complete coupler assemblies undergo a minimum of 5 cycles of connection/disconnection to tank unit whilst under pumped pressure of 3bar, prior to certification and dispatch.



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