

Helicopter Inflight Refuelling (HIFR) assembly for Helicopter Refuelling Systems (HRS)

Alfons Haar has introduced their own design of Helicopter Inflight Refuelling (HIFR) assembly into the product line.



Advantage:

- Available on short lead time
- Simple system handling
- Easy manual emergency breaking
- High flowrate due to low pressure loss
- STANAG 3847 compliant
- Conforms with "Certificate of Airworthiness" requirements
- Break force - independent of pressure
- Electrical conductivity achieved without any additional cable
- Available in different configurations

HIFR Assembly



- UNISEX couplings acc. to MIL-C-53071
- High flow rate due to low pressure drop
- Real dry break function
- Cost saving by using the aircraft coupling of the HRS (integrated aircraft coupler is optionally available)
- Highly resistance against sea air corrosion
- Temperature range: -32°C - +50°C
- Manufactured under the quality monitoring of Alfons Haar (DIN ISO 9001)
- All safety components are supplied with individual test reports
- Designed in collaboration with the Deutsche Bundesmarine (German Navy) and the Germanischer Lloyd
- Approved by the Deutsche Bundesmarine (German Navy)

Small package size:
hose reel = approx. ø 1,40 m



*1 picture shows HIFR assembly with optional pressure control valve

The HIFR assembly consists of (downstream) (part no. 2313695):

- UNISEX coupling for full pump performance with a high flow rate (1)
- Deck tie down point with shackle (hook optional) (2)
- 30m (100 ft) electrically conductive flat hose (3)
- Break away coupling with a breaking point acc. to STANAG 3847 (4)
- Winch point with lifting eye (5)
- 3m (10 ft) electrically conductive hose DN38 (6)
- UNISEX couplings to fit the HIFR assembly to the refuelling hose (7)
- Bonding assembly according to STANAG 3682 (8)
- Existing aircraft coupling of the HRS (9)
- Hook to fasten the aircraft coupling at the winch point (10)

Optionally available

- HIFR assembly with fixed aircraft coupling and a pressure control valve at the winch point for easier handling (part no. 2299338).
- Test kit for break force (part no. 2303671).

