MK11 Horizontal Manual Rewind Hose Reel

Part No MK11

Applications

A multi purpose reel, used for distribution of petroleum products, aviation fuel, fuel oils, Lpg and other liquids.

Features

- Fabricated in carbon or stainless steel
- Fluid path - stainless steel or carbon steel
- Seals - Viton or nitrile O-rings
- Manual drive
- Hand - rewind crank handle 90° or 20° option
- Floor or frame-mounted
- Pin lock or friction brake

Options

Options include

- Similar reel designs for other liquids
- Flexible reel dimensions to suit application.

Specification

The Fluid Transfer MK11 Horizontal Manual Rewind Hose Reel is a flexible design platform allowing a variety of tailored applications to suit customer requirements. The basic unit consists of a Drum and Swan Neck attachment supported on a solid Centre Shaft with a splined Hollow Shaft at one end. The Hollow Shaft allows liquid to travel from the Inlet connection along the Drum's axis of rotation into the Hose contained on the Drum. "O" Ring Seals between the Swan Neck and Hollow Shaft permit leak free rotation of the Drum.

The MK11 Hose Reel design can be used for a variety of fuel delivery applications.

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Technical Data

The Fluid Transfer MK11 Hose Reel in its simplest form features a drum supported on plane bearings by a static through-Centre Shaft. The static through-Centre Shaft is connected via a spline to a hollow shaft at the liquid inlet end. The Hollow Shaft is held in a Clamp located on an A-frame Support. The other end of the Centre Shaft is clamped to the Support Frame with sufficient space between the drum and support Frame for the drive mechanism.

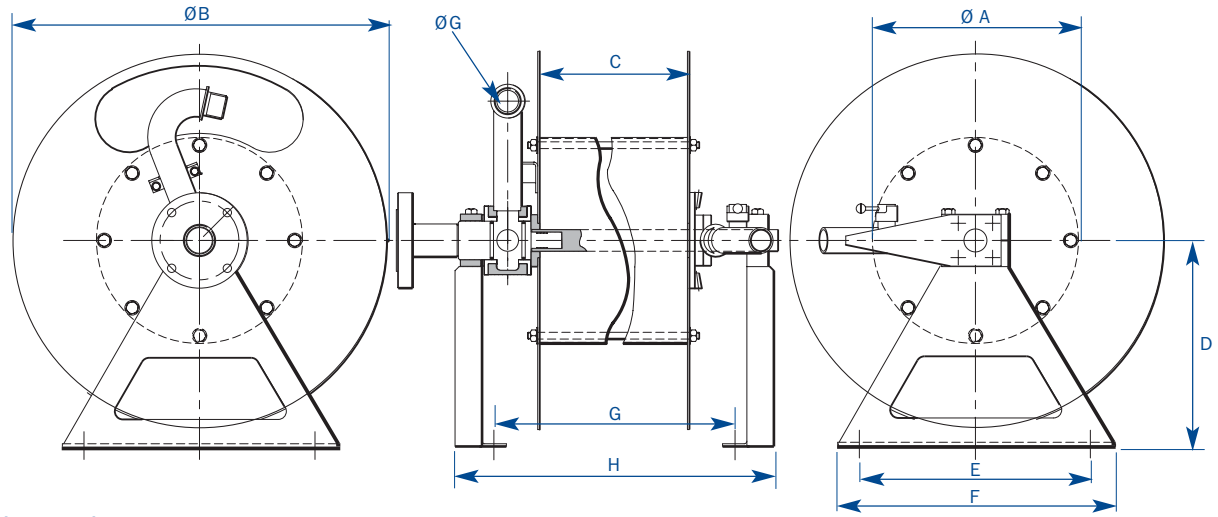
The fluid passage begins at the inlet flange of the static hollow shaft. A radial hole allows the fuel out of the shaft where a swan neck, connected to the drum, feeds the liquid to the hose stored on the drum. The Swan Neck is free to rotate around the hollow centre shaft with the drum. Sealing of the swan neck on the Centre Shaft is achieved with the use of Viton 'O' Ring Seals and gland pack.

Options

The MK11 Hose Reel can be supplied complete with hose and nozzles. Options for consideration are as follows:

Part No	Item	Variation	Comment
MK11	Connections	Inlet	Threaded 25mm (1") to 63mm ($2^1/_2$") BSP. F.or flanged to suit application
		Outlet	Swan Neck threaded hose connection 25mm (1") to 63mm ($2^1/_2$") BSP. M.
	Hoses	25mm (1") to 63mm ($2^1/_2$")	Drum sizes vary to suit hose diameter and length.
	Drum	Single/Twin	Drum sizes vary to suit hose diameter and length. Twin Drum supported on common centre shaft.
	Rewind	Manual	Standard crank or extra long handle at 20° or 90°
	Materials of Construction	Mild steel structures	Fluid flow path – Stainless or Carbon Steel, Aluminium or Gun Metal
		All stainless steel	To suit hostile environments
	Support Frame	Floor or frame-mounted.	
	Handing	Left	Drive mechanism on left-hand side
		Right	Drive mechanism on right-hand side
	Enclosure	Optional safety enclosure	Can include Lockable Roller Blind and Hose Guide Rollers
	Paint System	Natural, Prime, Gloss to client specification	Customer to specify.
	Drum Lock/brake	Lock	Rim locking mechanism
		Brake	Friction brake

Note for LPG the Swan Neck is replaced with a Glenthorp Gland.



Dimensions

Dimensions for Hose Reel assemblies are as follows (typical only):

Part No	Hose Diameter	Max Hose Length	A	B	C	D	E	F	G	H
MK11	32mm ($1^1/_4$")	60m (200ft)	Ø250	Ø535	262	305	343	406	883	1000
	38mm ($1^1/_2$")	50m (165ft)								
	50mm (2")	40m (130ft)								

Dimensions in (mm)

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